
SUSTAINABLE BUILDING TECHNOLOGY

2017 Product Catalog



INTRODUCING: EVERLOC+™

The Next-generation Plumbing Fitting System



With secure connections from start to finish, EVERLOC+ simplifies installation and allows for immediate pressure testing. When you're done, you're done.

EVERLOC+
Loc it up.

4x More Secure

The patent-pending design of EVERLOC+ ensures secure, worry-free plumbing connections, every time.

360° Connection Control

EVERLOC+ uses a consistent technique that your team will master after just a few connections. Expand. Compress. Done. You're in control, start to finish.

Up to 3x Faster Installation

No matter the circumstances, two expansions and one compression are all that's ever needed with EVERLOC+. That goes for all sizes and any temperature range. And there's no waiting for pressure testing.

Visit our website to learn more about our fitting system, watch installation videos and request a demo.

www.everlocplus.com



REHAU EDGESM

The Contractor Development Program That Builds Your Business

REHAU EDGE encourages all aspects of your business growth through training, product and tool incentives, design services, brand merchandise and local, regional and national events.



Join today!
No membership fee.
No minimum
purchase required.

REHAU EDGE is the ultimate connection that brings the entire team and channel partners together in active cooperation and communication to ensure that everyone moves in a direction that supports your business development.

- Team Events
- Design Services
- Product and Tool Incentives
- REHAU Academy Seminars
- Branded Merchandise
- VIP Events

Who Is Eligible?

All contractors installing REHAU PEXa systems in the US and Canada are eligible to join REHAU EDGE. There are no membership fees and no minimum purchase is required. All you have to do is complete and submit an application by visiting our website at edge.rehau.com

PROFESSIONAL SERVICES

Broaden Your Expertise With REHAU Design, Software and Engineering

REHAU engineering services work directly with architects, engineers, design-build contractors and owners to establish details, specifications and system requirements prior to the project going out to bid.

By working with these stakeholders during the planning phases of a project, REHAU can help reduce project changes that occur after the project bid has been awarded. REHAU takes into account the floor construction, design set points and ASHRAE standards to help develop designs for job-specific requirements.

Bring productivity to a higher level with LoopCAD®, an **easy-to-use software** interface that facilitates radiant outputs and calculations for REHAU radiant applications.

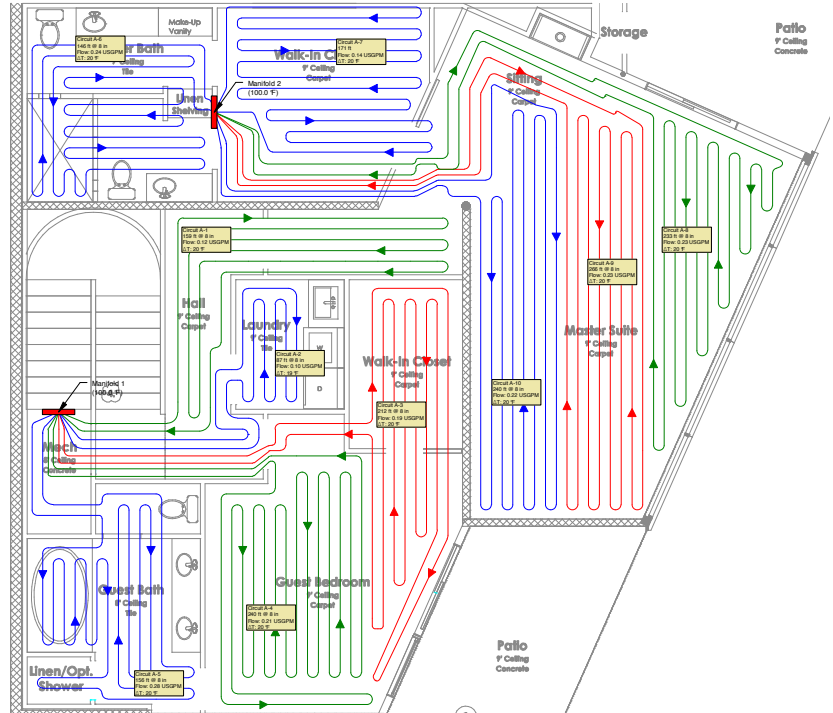
REHAU LoopCAD PRO

Create professional pipe layout drawings for systems including RAUPEX® radiant heating and snow and ice melting and configurations incorporating RAUPANEL™, RAUBOARD™ and RAUPLATE™ radiant heating technologies.

- Professional layout drawings faster and easier
- Detailed hydronic calculations
- 3D views automatically as you draw in 2D
- Slab, thin slab and in-joist radiant heating
- Generates circuit layouts
- Performs room-by-room heat loss calculations
- Detailed material lists for each individual design
- Stand-alone, no requirement for AutoCAD®

REHAU LoopCAD Non-Graphical

Made for quick room-by-room data entry, calculating building heat loss, radiant panel outputs and a materials list.



REHAU design services provide the customer with detailed color drawings of geothermal, radiant or snow and ice melting applications engineered to maximize efficiency and help reduce labor and material costs. Often times, REHAU can help consolidate manifolds, reduce distribution piping and speed installation through our custom designs.

REHAU Design Services include:

- Piping Layouts
- Radiant Design
- Radiant System Capacities
- Geothermal Design



REHAU ACADEMY

Training Promotes Best Practices

The **REHAU Academy** training program offers you the skills to design and install REHAU products professionally. You will be able to sell more efficient geothermal and heating solutions to your customers using this industry leading technical knowledge.

REHAU Academy is the central knowledge institute supporting REHAU solutions for high-performance building, with first-class presenters providing classroom instruction, hands-on technical training, lunch and learn seminars and online e-learning programs. REHAU Academy conveys crucial product information and relevant industry experience for a competitive edge.



About the Trainers

REHAU Academy is staffed with experts in REHAU product technologies and their applications in the built environment, including product development engineers, standards specialists, controls experts and technical sales engineers. Our team of presenters includes professionals with academic and practical experience, trained to deliver the information you need to know.

Training Materials

At most seminars, attendees receive a seminar binder with a copy of the presentation. Some seminars provide additional reference materials, such as catalogs and design guides.

Training Locations

REHAU Academy trainers can present virtually anywhere – at our permanent training locations, at customer locations or in convenient hotel meeting rooms. REHAU Academy facilities are located in:

- Leesburg, Virginia
- Cullman, Alabama
- Burlington, Ontario
- Minneapolis, Minnesota

Who Should Attend

- Installers
- Engineers
- Distributors
- Architects
- Designers
- AIA CES Registered
- Builders

Registration for Seminars

New seminars are planned each month. Many seminars are planned in cooperation with REHAU distributors and partners.

Visit na.rehau.com/academy for upcoming training dates and locations, or to request a seminar.

SUSTAINABLE BUILDING TECHNOLOGY

Environmentally-sound Construction Solutions



REHAU production plant, Cullman, Alabama

What is sustainable building technology?

Sustainable products address some of our world's greatest challenges – rising energy costs, water shortages, decaying infrastructure. Not only must they conserve natural resources; they must also have a sustained impact on how we build.

Energy efficient. Cost effective. Easy to install.
Reliable. And above all, comfortable. These are the targets for our sustainable solutions.

Whether you're a contractor doing your first radiant heating, PEXa plumbing or geothermal job, or a seasoned pro bidding on a large commercial radiant heating/cooling project, REHAU's industry-leading systems and services will help you get the best results.

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EVERLOC+™ PEXa PLUMBING SYSTEM

Product Catalog, January 2017



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NSF
NSF-PW/G
CSA B137.5



ASTM
F877



1. RAUPEX UV SHIELD PIPE

RAUPEX UV shield pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX UV shield pipe has a co-extruded PE shield that protects the pipe against ultraviolet light (sunlight) for an extended time. All RAUPEX UV shield pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3 and is certified to NSF Standards 14/61. RAUPEX UV shield pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

RAUPEX UV Shield pipe is specifically designed for use with the EVERLOC+ compression-sleeve system certified to ASTM F877. See Technical Bulletin 261 for other compatible PEX fitting systems.



3/8 in. RAUPEX Red UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-502 ⁺	3/8 in. RAUPEX Red UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 pallet/ 18,000 ft
235331-002 ⁺	3/8 in. RAUPEX Red UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 pallet/ 14,000 ft

⁺ This item is not stocked. Lead times may vary.
Average 3/8 in. pipe capacity is 0.0050 US gallons per foot (0.0624 l/m).

1/2 in. RAUPEX Red UV Shield Pipe

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-102	1/2 in. RAUPEX Red UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-302	1/2 in. RAUPEX Red UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-502	1/2 in. RAUPEX Red UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-002	1/2 in. RAUPEX Red UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-152	1/2 in. RAUPEX Red UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-352	1/2 in. RAUPEX Red UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

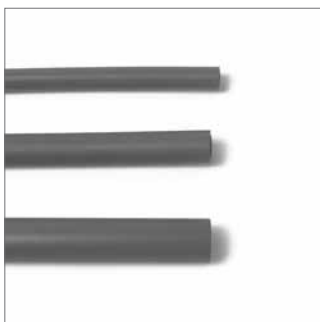
Average 1/2 in. pipe capacity is 0.0098 US gallons per foot (0.1222 l/m).

3/4 in. RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-102	3/4 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-302	3/4 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-502	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-152	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	29.5	65	1 box

Average 3/4 in. pipe capacity is 0.0189 US gallons per foot (0.2356 l/m).

1 in. RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-102	1 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-302	1 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-502	1 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

Average 1 in. pipe capacity is 0.0316 US gallons per foot (0.3939 l/m).



20 ft Straight Lengths RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight		Minimum Order
			kg	lb	
235351-022	1/2 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.5	1.2	1 bag
235371-022	3/4 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-022	1 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

Same average capacities as RAUPEX UV Shield Pipe sold in coils. Straight lengths are packaged in a single outer bag.



3/8 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-501+	3/8 in. RAUPEX Blue UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 pallet/ 18,000 ft
235331-001+	3/8 in. RAUPEX Blue UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 pallet/ 14,000 ft

+ This item is not stocked. Lead times may vary.
Average 3/8 in. pipe capacity is 0.0050 US gallons per foot (0.0624 l/m).

1/2 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-101	1/2 in. RAUPEX Blue UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-301	1/2 in. RAUPEX Blue UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-501	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-001	1/2 in. RAUPEX Blue UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-151	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-351	1/2 in. RAUPEX Blue UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

Average 1/2 in. pipe capacity is 0.0098 US gallons per foot (0.1222 l/m).

3/4 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-101	3/4 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-301	3/4 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-501	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-151	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

Average 3/4 in. pipe capacity is 0.0189 US gallons per foot (0.2356 l/m).

1 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-101	1 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-301	1 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-501	1 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

Average 1 in. pipe capacity is 0.0316 US gallons per foot (0.3939 l/m).



20 ft Straight Lengths RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight		Minimum Order
			kg	lb	
235351-021	1/2 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-021	3/4 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-021	1 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

Same average capacities as RAUPEX UV shield pipe sold in coils. Straight lengths are packaged in a single outer bag.



3/8 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235331-513+	3/8 in. RAUPEX White UV Shield Pipe 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 pallet/ 18,000 ft
235331-013+	3/8 in. RAUPEX White UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 pallet/ 14,000 ft

+ This item is not stocked. Lead times may vary.
Average 3/8 in. pipe capacity is 0.0050 US gallons per foot (0.0624 l/m).

1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235351-113	1/2 in. RAUPEX White UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-313	1/2 in. RAUPEX White UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-513	1/2 in. RAUPEX White UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-013	1/2 in. RAUPEX White UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-153	1/2 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-353	1/2 in. RAUPEX White UV Shield Pipe, 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

Average 1/2 in. pipe capacity is 0.0098 US gallons per foot (0.1222 l/m).

3/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-113	3/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-313	3/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-513	3/4 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-013	3/4 in. RAUPEX White UV Shield Pipe, 1000 ft coil (304.8 m)	1000 ft	48.9	108.0	1 coil
235371-153	3/4 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

Average 3/4 in. pipe capacity is 0.0189 US gallons per foot (0.2356 l/m).

1 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-113	1 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-313	1 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-513	1 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

Average 1 in. pipe capacity is 0.0316 US gallons per foot (0.3939 l/m).

1 1/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132571-113	1 1/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
132571-313	1 1/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	34.2	75.0	1 coil

Average 1 1/4 in. pipe capacity is 0.0467 US gallons per foot (0.5827 l/m).

1 1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132581-113	1 1/2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil
132581-313	1 1/2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	48.0	105.0	1 coil

Average 1 1/2 in. pipe capacity is 0.0650 US gallons per foot (0.8118 l/m).

2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
132591-113	2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil
132591-313	2 in. RAUPEX White UV Shield Pipe, 300 ft coil (30.5 m)	300 ft	82.2	180.0	1 coil

Average 2 in. pipe capacity is 0.1114 US gallons per foot (1.3906 l/m).



20 ft Straight Lengths RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight kg lb		Minimum Order
235351-023	1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-023	3/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-023	1 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
132571-023	1 1/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
132581-023	1 1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
132591-023	2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

Same dimensions and capacities as RAUPEX UV shield pipe sold in coils. Straight lengths are packaged in a single outer bag.



1/2 in. RAUPEX Non-barrier Pre-sleeved Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
202046-777	1/2 in. RAUPEX NB Pre-sleeved Red, 8316 ft (2534.7 m)	36 (231 ft) coils	11.1	24.5	8316 ft
202046-888	1/2 in. RAUPEX NB Pre-sleeved Blue, 8316 ft (2534.7 m)	36 (231 ft) coils	11.1	24.5	8316 ft

RAUPEX non-barrier pipe is offered with a red or blue corrugated PE sleeve, where jurisdictional requirements for plumbing pipe are to be sleeved when buried in concrete or other substrate.

RAUPEX non-barrier pre-sleeved pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). All RAUPEX non-barrier pre-sleeved pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3 and is certified to NSF Standards 14/61.

2. EVERLOC+ COMPRESSION-SLEEVE FITTINGS

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU *Technical Guidelines*. EVERLOC+ polymer fittings are produced from a modified polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS69300). EVERLOC+ compression sleeves are produced using a specifically formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act.



EVERLOC+ PEXa Compression Sleeves							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104815-001	3/8 in. EVERLOC+ PEXa Sleeve	50	600	2.72	0.006	1 bag	
104816-001	1/2 in. EVERLOC+ PEXa Sleeve	100	400	3.17	0.007	1 box	
104817-001	5/8 in. EVERLOC+ PEXa Sleeve	50	250	5.44	0.012	1 bag	
104818-001	3/4 in. EVERLOC+ PEXa Sleeve	50	150	8.62	0.019	1 box	
104819-001	1 in. EVERLOC+ PEXa Sleeve	20	80	15.88	0.035	1 box	
104820-001*	1 1/4 in. EVERLOC+ PEXa Sleeve	10	50	20.41	0.045	1 box	
104821-001*	1 1/2 in. EVERLOC+ PEXa Sleeve	10	30	24.95	0.055	1 box	
104822-001*	2 in. EVERLOC+ PEXa Sleeve	5	15	29.48	0.065	1 box	

*Available July 2017



EVERLOC+ Straight Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
317138-001	3/8 x 3/8 in. EVERLOC+ LF Brass Coupling	-	100	19.50	0.04	1 box	
104824-001	1/2 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	4.08	0.01	1 bag	
317142-001	5/8 x 5/8 in. EVERLOC+ LF Brass Coupling	-	40	48.53	0.11	1 box	
104825-001	3/4 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	12.25	0.03	1 bag	
104826-001	1 x 1 in. EVERLOC+ Polymer Coupling	10	50	22.23	0.05	1 bag	
104827-001*	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Coupling	-	10	40.37	0.09	1 box	
104828-001*	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Coupling	-	10	71.21	0.16	1 box	
104829-001*	2 x 2 in. EVERLOC+ Polymer Coupling	-	10	125.19	0.28	1 box	

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Reducer Couplings							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104830-001	3/4 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	8.62	0.02	1 bag	
104831-001	1 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	17.69	0.04	1 bag	
104832-001*	1 1/4 x 1 in. EVERLOC+ Polymer Coupling	-	10	32.66	0.07	1 box	
104833-001*	1 1/2 x 1 in. EVERLOC+ Polymer Coupling	-	10	49.90	0.11	1 box	
317139-001*	2 x 1 in. EVERLOC+ LF Brass Coupling	-	2	345.18	0.76	1 box	
317140-001*	2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	2	373.76	0.82	1 box	
317141-001*	2 x 1 1/2 in. EVERLOC+ LF Brass Coupling	-	2	462.66	1.02	1 box	

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Straight Tees (A x B x C)						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104835-001	1/2 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	8.62	0.02	1 bag
104836-001	3/4 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	10	50	23.59	0.05	1 bag
104837-001	1 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	42.64	0.09	1 bag
104838-001*	1 1/4 x 1 1/4 x 1 1/4 in. EVERLOC+ Polymer Tee	-	10	78.47	0.17	1 box
104839-001*	1 1/2 x 1 1/2 x 1 1/2 in. EVERLOC+ Polymer Tee	-	5	136.53	0.30	1 box
104840-001*	2 x 2 x 2 in. EVERLOC+ Polymer Tee	-	5	245.85	0.54	1 box

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Run Reducing Tees (A x B x C)						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104841-001	3/4 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	19.50	0.04	1 bag
104842-001	1 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	37.65	0.08	1 bag
317143-001*	1 1/4 x 1 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	328.85	0.73	1 box
317144-001*	1 1/2 x 1 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	517.09	1.14	1 box
317145-001*	1 1/2 x 1 1/4 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	553.38	1.22	1 box
317146-001*	2 x 1 1/4 x 2 in. EVERLOC+ LF Brass Tee	-	1	830.07	1.83	1 box
317147-001*	2 x 1 1/2 x 2 in. EVERLOC+ LF Brass Tee	-	1	898.11	1.98	1 box

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Branch Reducing Tees (A x B x C)						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104844-001	3/4 x 3/4 x 1/2 in. EVERLOC+ Polymer Tee	10	50	18.14	0.04	1 bag
104846-001	1 x 1 x 1/2 in. EVERLOC+ Polymer Tee	5	25	29.48	0.07	1 bag
104845-001	1 x 1 x 3/4 in. EVERLOC+ Polymer Tee	5	25	35.83	0.08	1 bag
104847-001*	1 1/4 x 1 1/4 x 1 in. EVERLOC+ Polymer Tee	-	10	65.77	0.15	1 box
104848-001*	1 1/2 x 1 1/2 x 1 in. EVERLOC+ Polymer Tee	-	5	102.51	0.23	1 box
317149-001*	1 1/2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	535.24	1.18	1 box
104849-001*	2 x 2 x 1 in. EVERLOC+ Polymer Tee	-	5	168.74	0.37	1 box
317150-001*	2 x 2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	757.50	1.67	1 box
317151-001*	2 x 2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	852.75	1.88	1 box

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Branch and Run Reducing Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104851-001	3/4 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	13.61	0.03	1 bag	
104852-001	1 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag	
104853-001*	1 1/4 x 1 x 1 in. EVERLOC+ Polymer Tee	-	10	56.25	0.12	1 box	
317152-001*	1 1/2 x 1 x 1 in. EVERLOC+ LF Brass Tee	-	2	371.04	0.82	1 box	
317153-001*	1 1/2 x 1 1/4 x 1 in. EVERLOC+ LF Brass Tee	-	2	404.60	0.89	1 box	
317154-001*	1 1/2 x 1 1/4 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	462.66	1.02	1 box	
317156-001*	2 x 1 1/2 x 1 in. EVERLOC+ LF Brass Tee	-	1	607.81	1.34	1 box	
317161-001*	2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	666.78	1.47	1 box	
317155-001*	2 x 1 1/2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	762.03	1.68	1 box	

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Bullhead Tees (A x B x C)							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104854-001	1/2 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	14.06	0.03	1 bag	
104855-001	3/4 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag	

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ 90° Elbows, PEX to PEX							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
104859-001	1/2 x 1/2 in. EVERLOC+ Polymer Elbow	15	75	6.35	0.01	1 bag	
317163-001	5/8 x 5/8 in. EVERLOC+ LF Brass Elbow	-	50	67.13	0.15	1 box	
104860-001	3/4 x 3/4 in. EVERLOC+ Polymer Elbow	10	50	17.69	0.04	1 bag	
104861-001	1 x 1 in. EVERLOC+ Polymer Elbow	5	30	33.11	0.07	1 bag	
104862-001*	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Elbow	-	10	60.78	0.13	1 box	
104863-001*	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Elbow	-	10	102.97	0.23	1 box	
104864-001*	2 x 2 in. EVERLOC+ Polymer Elbow	-	5	187.33	0.41	1 box	

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ 90° Elbows, PEX to Copper							
Article No.	Description	Box Quantity	Unit Weight		Minimum Order		
			g	lb			
317164-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Elbow	50	37.65	0.08	1 box		
317165-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Elbow	25	66.28	0.15	1 box		
317166-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Elbow	25	90.26	0.20	1 box		
317167-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Elbow	20	115.21	0.25	1 box		

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ 90° Elbows, PEX to FPT/MPT					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317170-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317168-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317169-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Elbow	10	99.79	0.22	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Adapters, PEX to Copper					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317184-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	35	28.58	0.06	1 box
317185-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Adapter	75	22.68	0.05	1 box
317189-001	3/4 x 1 in. C Female EVERLOC+ LF Brass Adapter	5	92.99	0.21	1 box
317186-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Adapter	30	69.85	0.15	1 box
317187-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	95.25	0.21	1 box
317190-001	1 x 1 in. C Male EVERLOC+ LF Brass Adapter	15	115.21	0.25	1 box
317191-001	1 x 1 in. C Female EVERLOC+ LF Brass Adapter	15	142.43	0.31	1 box
317192-001*	1 1/4 x 1 1/4 in. C Male EVERLOC+ LF Brass Adapter	10	177.81	0.39	1 box
317193-001*	1 1/4 x 1 1/4 in. C Female EVERLOC+ LF Brass Adapter	10	215.46	0.48	1 box
317194-001*	1 1/2 x 1 1/2 in. C Male EVERLOC+ LF Brass Adapter	5	282.59	0.62	1 box
317195-001*	1 1/2 x 1 1/2 in. C Female EVERLOC+ LF Brass Adapter	5	494.42	1.09	1 box
317196-001*	2 x 2 in. C Male EVERLOC+ LF Brass Adapter	2	585.13	1.29	1 box
317197-001*	2 x 2 in. C Female EVERLOC+ LF Brass Adapter	2	721.21	1.59	1 box

*Available July 2017

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ MPT Adapters					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317174-001	3/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40	38.56	0.09	1 box
317171-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40	44.91	0.10	1 box
317175-001	5/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	30	57.15	0.13	1 box
317176-001	5/8 x 3/4 in. MPT or 1/2 in. C Female EVERLOC+ LF Brass Adapter	30	84.82	0.19	1 box
317172-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	20	76.66	0.17	1 box
317177-001	3/4 x 1 in. MPT EVERLOC+ LF Brass Adapter	20	124.74	0.28	1 box
317178-001	1 x 1 in. MPT EVERLOC+ LF Brass Adapter	15	148.32	0.33	1 box
317179-001*	1 1/4 x 1 1/4 in. MPT EVERLOC+ LF Brass Adapter	10	246.30	0.54	1 box
317180-001*	1 1/2 x 1 1/2 in. MPT EVERLOC+ LF Brass Adapter	5	373.76	0.82	1 box
317181-001*	2 x 2 in. MPT EVERLOC+ LF Brass Adapter	2	576.06	1.27	1 box

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ FPT Adapters					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
317173-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Adapter	40	51.26	0.11	1 box
317182-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	20	87.54	0.19	1 box
317183-001	1 x 1 in. FPT EVERLOC+ LF Brass Adapter	10	143.34	0.32	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104856-001	1/2 in. EVERLOC+ Polymer Plug	30	150	2.27	0.005	1 bag
317157-001	5/8 in. EVERLOC+ LF Brass Plug	-	60	27.22	0.060	1 box
104857-001	3/4 in. EVERLOC+ Polymer Plug	20	100	6.35	0.014	1 bag
104858-001	1 in. EVERLOC+ Polymer Plug	10	50	11.34	0.025	1 bag
317158-001*	1 1/4 in. EVERLOC+ LF Brass Plug	-	20	99.34	0.219	1 box
317159-001*	1 1/2 in. EVERLOC+ LF Brass Plug	-	20	174.18	0.384	1 box
317160-001*	2 in. EVERLOC+ LF Brass Plug	-	10	277.60	0.612	1 box

*Available July 2017
Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ LF Brass Swivel Adapters					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
418463-001	1/2 in. x 1/2 NPS EVERLOC+ LF Brass Female Swivel Adapter	25	58.97	0.13	1 box
418464-001	3/4 in. x 3/4 NPS EVERLOC+ LF Brass Female Swivel Adapter	20	99.79	0.22	1 box

Order EVERLOC+ PEXa compression sleeves separately.

3. EVERLOC+ MULTI-PORT TEES AND MANIFOLDS



EVERLOC+ Polymer Closed-end Multi-port Tees

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104867-001	3/4 in. Inlet, (3) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	1	15	25.40	0.056	1 box
104868-001	3/4 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	1	15	32.21	0.071	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Polymer Flow-through Multi-port Tees

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104869-001	3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	1	15	24.49	0.054	1 box
104870-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	1	15	31.29	0.069	1 box
104871-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	1	15	37.19	0.082	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ Polymer Elbow Flow-through Multi-port Tees

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
104872-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	1	15	35.83	0.079	1 box
104873-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	1	15	42.18	0.093	1 box

Order EVERLOC+ PEXa compression sleeves separately.

Copper multi-port tees and manifolds are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act.



EVERLOC+ LF Brass Closed-end Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight		Minimum Order
			g	lb	
104892-001	1 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	281.47	0.62	1 box
104893-001	3/4 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	391.30	0.86	1 box
104894-001	1 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	392.96	0.87	1 box

Order EVERLOC+ PEXa compression sleeves separately.



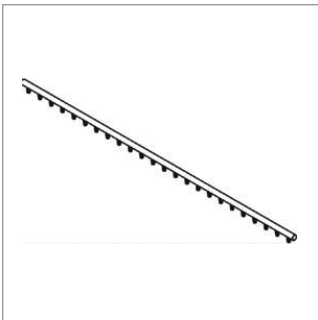
EVERLOC+ LF Brass Flow-through Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight		Minimum Order
			g	lb	
104895-001	1 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	317.89	0.70	1 box
104896-001	1 x 1 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	341.69	0.75	1 box
104897-001	3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	375.66	0.83	1 box
104898-001	1 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	402.64	0.89	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ LF Brass Horizontal Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight		Minimum Order
			g	lb	
104899-001	3/4 x 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Horizontal Multi-port Tee	10	368.07	0.81	1 box

Order EVERLOC+ PEXa compression sleeves separately.



EVERLOC+ LF Brass Cut-to-Length Copper Manifolds					
Article No.	Description	Package Quantity Box	Unit Weight		Minimum Order
			kg	lb	
104902-001	1 in. Header, (24) 1/2 in. Outlets, EVERLOC+ LF Brass Cut-to-Length Manifold	5	2.06	4.54	1 box

Order EVERLOC+ PEXa compression sleeves separately.

4. EVERLOC+ COMPRESSION-SLEEVE TOOLS



EVERLOC+ Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105107-001	EVERLOC+ Power Tool Standard Kit (1/2, 3/4 and 1 in)	1	6.8	15	1

The EVERLOC+ power tool standard kit is specifically designed for assembling 1/2, 3/4 and 1 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ power tool base unit (Art. 105106-001)
- EVERLOC+ expander adapter QC (Art. 105167-001)
- EVERLOC+ expander heads QC: 1/2 in (Art. 105074-001), 3/4 in (Art. 105076-001), 1 in (Art. 105077-001)
- EVERLOC+ compression jaws (set): 1/2 in (Art. 105084-001), 3/4 in (Art. 105088-001), 1 in (Art. 105091-001)
- (2) DeWALT® 12V Li-ion batteries (DCB127)
- DeWALT® 12V/20V Li-ion battery charger, 120VAC (DCB107)
- RAUCUTTER (Art. 137495)
- Tool case (Art. 318135-001)
- Grease (Art. 224988-001) and cleaning brush (Art. 224984-001)
- Operating instructions
- DeWALT® and the DeWALT Logo are trademarks of Stanley Black & Decker, Inc., or an affiliate thereof and are used under license.



EVERLOC+ Expander Heads

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105073-001	3/8 in. EVERLOC+ Expander Head (Quick Change)	1	162	0.36	1 set
105074-001	1/2 in. EVERLOC+ Expander Head (Quick Change)	1	159	0.35	1 set
105075-001	5/8 in. EVERLOC+ Expander Head (Quick Change)	1	152	0.34	1 set
105076-001	3/4 in. EVERLOC+ Expander Head (Quick Change)	1	136	0.30	1 set
105077-001	1 in. EVERLOC+ Expander Head (Quick Change)	1	181	0.40	1 set



EVERLOC+ Compression Jaws

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105083-001	3/8 in. EVERLOC+ Compression Jaws (set)	1 set	251	0.55	1
105084-001	1/2 in. EVERLOC+ Compression Jaws (set)	1 set	272	0.60	1
105087-001	5/8 in. EVERLOC+ Compression Jaws (set)	1 set	288	0.63	1
105088-001	3/4 in. EVERLOC+ Compression Jaws (set)	1 set	295	0.65	1
105091-001	1 in. EVERLOC+ Compression Jaws (set)	1 set	386	0.85	1

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EVERLOC+ XL Power Tool Standard Kit					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
105733-001*	EVERLOC+ XL Power Tool (1 1/4, 1 1/2 and 2 in.)	-	-	-	-

The EVERLOC+ XL power tool standard kit is specifically designed for assembling 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings.

*Available July 2017

AVAILABLE
JULY 2017

EVERLOC+ Expander Heads					
Article No.	Description	Package Quantity	Unit Weight g lb		Minimum Order
105078-001*	1 1/4 in. EVERLOC+ Expander Head (Quick Change)	-	-	-	-
105079-001*	1 1/2 in. EVERLOC+ Expander Head (Quick Change)	-	-	-	-
105080-001*	2 in. EVERLOC+ Expander Head (Quick Change)	-	-	-	-

*Available July 2017

AVAILABLE
JULY 2017

EVERLOC+ Compression Jaws					
Article No.	Description	Package Quantity	Unit Weight g lb		Minimum Order
105094-001*	1 1/4 in. EVERLOC+ Compression Jaws (set)	-	-	-	-
105096-001*	1 1/2 in. EVERLOC+ Compression Jaws (set)	-	-	-	-
105098-001*	2 in. EVERLOC+ Compression Jaws (set)	-	-	-	-

*Available July 2017

5. EVERLOC+ VALVES



Straight Ball Valves, EVERLOC+ to Copper

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418433-001	1/2 in. EVERLOC+ x 1/2 in. C Female Valve	18		120	0.27	1 box

Make solder connection before connecting RAUPEX pipe. Order EVERLOC+ PEXa compression sleeves separately.



Straight Ball Valves, EVERLOC+ to EVERLOC+

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418435-001	1/2 x 1/2 in. EVERLOC+ Valve	18		136	0.30	1 box

Order EVERLOC+ PEXa compression sleeves separately.



Straight Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418437-001	1/2 in. EVERLOC+ x 3/8 in. Compression Straight Valve, Plated	18		136	0.30	1 box

Includes 3/8 in. compression nut and ferrule. Order EVERLOC+ PEXa compression sleeves separately.



Angle Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418438-001	1/2 in. EVERLOC+ x 3/8 in. Compression Angle Valve, Plated	18		136	0.30	1 box

Includes 3/8 in. compression nut and ferrule. Order EVERLOC+ PEXa compression sleeves separately.



Dishwasher Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
418428-001	1/2 in. EVERLOC+ x 3/8 in. Compression (Dual) Valve, Plated	1	8	150	0.33	1 box

Includes 3/8 in. compression nut and ferrule brass plug. The brass plug can be installed in place of one of the ferrules to block flow in one direction. Order EVERLOC+ PEXa compression sleeves separately.

6. COPPER ELLS



Tub/Shower Diverter Ells					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418664-001	Tub/Shower Diverter Ell, 1/2 in. EVERLOEC+	75	132	0.29	1 box

EVERLOEC+ end attaches to RAUPEX pipe. Full Flow capacity through entire part. Order EVERLOEC+ PEXa compression sleeves separately.



Closed-end Stub Out Ells					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418665-001	Stub Out Ell, 1/2 in. EVERLOEC+ (8 in. Long)	40	196	0.43	1 box
418668-001	Stub Out Ell, 3/4 in. EVERLOEC+ (8 in. Long)	20	361	0.79	1 box

EVERLOEC+ end attaches to RAUPEX pipe. Other end is spun closed for test. Tight bend radius allows better fit in 2 x 4 in. walls. Order EVERLOEC+ PEXa compression sleeves separately.



Straight Copper Stubs					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418669-001	8 in. Straight Copper Stub, 1/2 in. EVERLOEC+	50	153	0.34	1 box

EVERLOEC+ end attaches to RAUPEX pipe. Other end is spun closed for test. Order EVERLOEC+ PEXa compression sleeves separately.

7. PIPE SUPPORTS AND PROTECTION SLEEVES



Steel Support Bends

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
258408	3/8 and 1/2 in. Steel Support Bend	10	50	50	0.10	1 box
257249	3/4 in. Steel Support Bend	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend	5	50	380	0.84	1 box

Create 90° bends without an elbow fitting. 3/8, 1/2, 5/8 and 3/4 in. steel support bends create a 90° bend by quickly snapping over RAUPEX pipe. 1 in. steel support bends (not shown) slide onto pipe.



Steel Support Bends With Mounting Plate

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266597	1/2 in. Steel Support Bend w/ Mounting Plate	25	69	0.15	1 box

This support bend with mounting plate is ideal for attaching RAUPEX pipe at wall penetrations where the pipe must be fastened securely to install a plumbing valve on the end. The mounting plate is 18 gauge steel, zinc-plated and fits flush behind drywall. The open end allows easy installation of 3/8 or 1/2 in. RAUPEX pipe. Mounting holes are 1/8 in. diameter.



Polymer Support Bends With Screw Hole

Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box

These reinforced polymer bend supports create 90° bends without an elbow, quickly snapping over RAUPEX pipe. "Ear" on the inside of the bend has a screw hole for secure mounting to a support or stud.



PVC Bend Guides

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box

Create 90° bends without an elbow fitting by inserting RAUPEX pipe into these rigid plastic PVC bend guides. PVC bend guides provide protection at slab penetrations and create professional appearance at manifolds.



Galvanized Support Channels							
Article No.	Description	Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-001	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-001	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-001	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-001	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle

When the RAUPEX pipe is snapped into the steel support channel, the result is a rigid pipe matrix that is suitable for overhead applications.

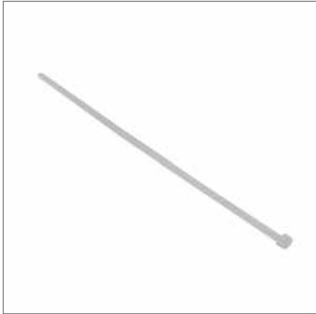


PE Protection Sleeves							
Article No.	Description	Hole Size*	Package Quantity	Unit Weight		Minimum Order	
				kg	lb		
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.	100 ft (30.4 m) coil	1.4	3.1	1 coil	
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil	
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil	
236137	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil	
236147+	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil	
236157+	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil	

+ This item is not stocked. Lead times may vary.
Protects RAUPEX pipe at slab and wall penetrations, expansion and construction joints, abrasive surfaces, and ultraviolet light (sunlight). Most sizes are slit for easier installation.

*This is the recommended hole size to be drilled for proper installation.

8. PIPE FASTENERS



Nylon Pipe Ties					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000 pcs/bag	1.43	0.0003	1 bag

Non-abrasive nylon pipe ties safely secure RAUPEX pipe directly to slab reinforcing bars or wire mesh. Ties are 8 in. long and rated at 50 lbs tensile strength.



Locking Clips					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261496+	3/8 in. Locking Clips	100/bag	4	0.01	1 bag
261556	1/2 in. Locking Clips	100/bag	5	0.01	1 bag
261516	3/4 in. Locking Clips	100/bag	7	0.02	1 bag
261566	1 in. Locking Clips	50/bag	12	0.03	1 bag
261576	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag
261586	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag
261596	2 in. Locking Clips	25/bag	30	0.07	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.

Locking clips allow for rapid installation of RAUPEX pipe. Larger clips (1 to 2 in.) are for use with RAUPEX pipe or copper manifolds. Locking clips attach to surface with a screw or nail (not included). RAUPEX pipe or manifold snaps in place when pushed into clip, and can be removed without damaging clip.



Talon Drive Hooks					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260866	Twin Talon Drive Hooks	100/bag	6	0.01	1 bag
260846	Low Profile 3/8 in. Talons	100/bag	4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag	4	0.01	1 bag
261776	Low Profile 5/8 and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag

Talon drive hooks safely secure 3/8, 1/2, 5/8, 3/4 or 1 in. pipe to wood subfloors, joists or in joist cavities. Low profile talons secure pipe in sizes indicated and are ideal for use with wooden "sleeper" radiant installations. Barbed nails, pre-installed in plastic talon prevent nails from backing out.



Single Nail Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

Completely encircles pipe. Pre-installed barbed nail prevents backout. Fast and easy to use.



Plastic Pipe Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401+	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411+	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421+	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.
 Secures RAUPEX pipe to both wood and metal framework. Used in residential and commercial construction.



Isolating Suspension Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431+	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441+	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451+	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.
 Secures RAUPEX pipe to both wood and metal framework. Used in residential and commercial construction.

9. PIPE INSTALLATION TOOLS



RAUPEX Horizontal Uncoilers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler dispenses RAUPEX pipe without twists or kinks. Pipe is drawn off horizontally. Uncoiler is capable of holding RAUPEX coils up to 1 in. diameter and folds for convenient transportation to job sites.



RAUPEX Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 63 mm RAUPEX	1	1.09	2.41	1

It is important to use a proper cutter when cutting RAUPEX pipes. RAUPEX cutters provide clean, square and accurate cutting of RAUPEX pipes in sizes indicated.

RADIANT HEATING/COOLING, SNOW AND ICE MELTING

Product Catalog, January 2017

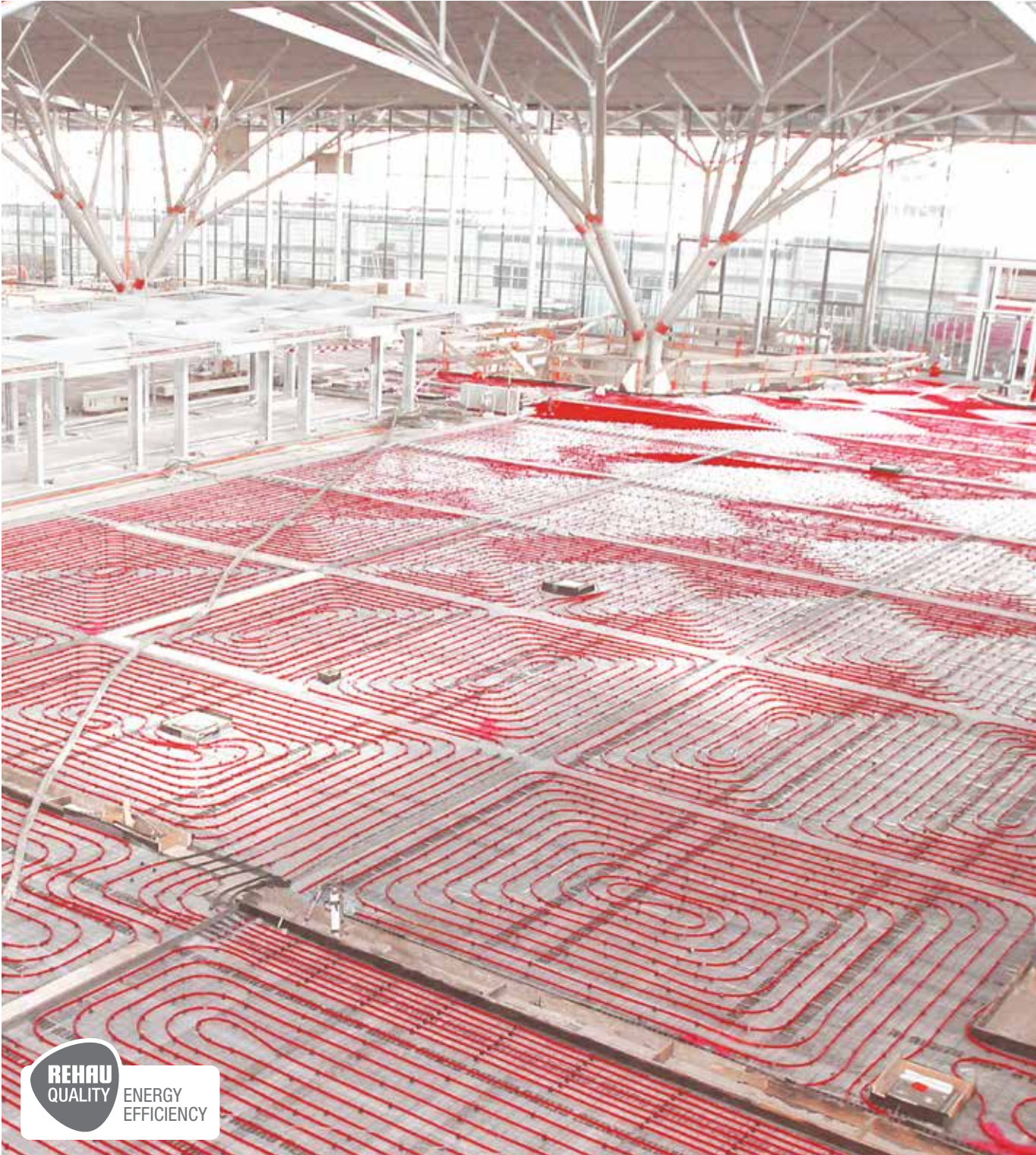


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1. RAUPEX O₂ BARRIER PIPE



RAUPEX O₂ barrier pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX O₂ barrier pipe has a co-extruded oxygen diffusion barrier that exceeds the strict requirements of DIN 4726. All RAUPEX O₂ barrier pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3. RAUPEX O₂ barrier pipe also complies with the requirements of the CSA B214 installation code for hydronic heating systems. RAUPEX O₂ barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

3/8 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136008-500	3/8 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
136008-000	3/8 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

3/8 in. pipe average capacity is 0.0050 US gallons per foot (0.0624 l/m).

1/2 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136031-300	1/2 in. RAUPEX O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
136031-500	1/2 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
136031-000	1/2 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
136031-150	1/2 in. RAUPEX O ₂ Barrier Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box

1/2 in. pipe average capacity is 0.0098 US gallons per foot (0.1222 l/m).

5/8 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136880-400	5/8 in. RAUPEX O ₂ Barrier Pipe, 400 ft coil (121.8 m)	400 ft	16.3	35.9	1 coil
136880-155	5/8 in. RAUPEX O ₂ Barrier Pipe, 750 ft (228.6 m)	5 (150 ft) coils/box	27.6	60.7	1 box
136880-000	5/8 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	35.9	79.1	1 coil

5/8 in. pipe average capacity is 0.0134 US gallons per foot (0.1671 l/m).

3/4 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136051-100	3/4 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
136051-300	3/4 in. RAUPEX O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.4	1 coil
136051-500	3/4 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
136051-000	3/4 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	49.2	108.5	1 coil

3/4 in. pipe average capacity is 0.0189 US gallons per foot (0.2356 l/m).

1 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136011-100	1 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
136011-500	1 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

1 in. pipe average capacity is 0.0316 US gallons per foot (0.3939 l/m).

1 1/4 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136283-100	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
136283-111	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 1,000 ft coil (304.8 m)	1000 ft	114.0	250.0	1 coil

1 1/4 in. pipe average capacity is 0.0467 US gallons per foot (0.5827 l/m).

1 1/2 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136293-100	1 1/2 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil

1 1/2 in. pipe average capacity is 0.0650 US gallons per foot (0.8118 l/m).

2 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136303-100	2 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil

2 in. pipe average capacity is 0.1114 US gallons per foot (1.3906 l/m).



RAUPEX O ₂ Barrier Pipe 20 ft Straight Lengths					
Article No.	Description	Package Quantity Bag	Unit Weight kg	Unit Weight lb	Minimum Order
136051-020	3/4 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
136011-020	1 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
136283-020	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
136293-020	1 1/2 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
136303-020	2 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

Same capacities as RAUPEX O₂ barrier pipe sold in coils.

2. RADIANT HEATING PLATE SYSTEMS

Aluminum heat transfer plates are used in joist space installations to enhance heat transfer and improve efficiency. Radiant heating plate systems outperform talon-up joist space construction installations. Plate systems are suitable for both new construction and retrofit residential applications.



RAUPLATE™ Radiant Heating System							
Article No.	Description	Nominal Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
298926-001	RAUPLATE Heat Transfer Plate For 1.2 in. RAUPEX	1.2	4	20 pcs/box	0.70	1.50	1 box

RAUPLATE heat transfer plates are designed with two pipe channels 8 in. on-center. RAUPLATE is screwed to the underside of the subfloor in the joist space and RAUPEX pipe snaps into the plates for a convenient installation. Plates are 8.7 x 47 in (22 x 119 cm).

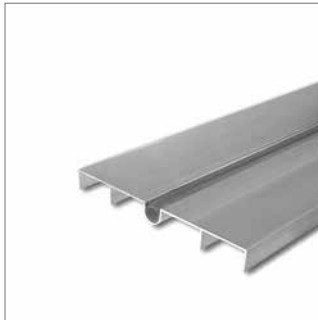


Heat Transfer Plates, Heavy Gauge					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
235962	Heat Transfer Plate, Heavy Gauge for 3/8 in. RAUPEX	20 pcs/carton	495	1.09	1 carton
235972	Heat Transfer Plate, Heavy Gauge for 1/2 in. RAUPEX	20 pcs/carton	509	1.12	1 carton

These extruded aluminum heat transfer plates are used in joist space installations to maximize heat transfer and improve efficiency. The unique design allows the heat transfer plates to be screwed into the joist space and RAUPEX pipe to snap into the plates for convenient installation. Plates are 3.5 x 48 in (8.9 x 121.9 cm) with pre-drilled 1/8 in. holes.

3. RADIANT HEATING PANEL SYSTEMS

Radiant heating panel systems are installed directly on top of the subfloor, and for some installations in walls or ceilings underneath the gypsum board. Panel systems are considered low mass and offer faster response times compared to overpour or slab construction. Panels are easier and faster to install. Radiant heating panel systems are suitable for both new construction and retrofit residential applications.



RAUPANEL™ High-performance Radiant Heating System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235307	RAUPANEL (6 ft lengths)	96 ft / 16 pcs/box	1.73	3.80	1 box
235327-PLY	RAUPANEL 6 in. Plywood Return Bend (4 returns)	32 ft / 8 pcs/box	1.82	4.00	1 box
235337-PLY	RAUPANEL 8 in. Plywood Return Bend (3 returns)	32 ft / 8 pcs/box	2.05	4.50	1 box
235377-PLY	RAUPANEL 2 in. Plywood Furring Strip	136 ft / 34 pcs/box	0.45	1.00	1 box
235387	Deburring Tool	10 pcs/box	0.02	0.05	1 box

Furring strips are to be used in conjunction with 8 in. return bends to facilitate proper spacing of RAUPANEL and to provide a nailing surface for the floor covering. Reference the table below for product dimensions and square footage. Be sure to read the *RAUPANEL System Installation Guide* (855.625) for instructions on design and use of this product. RAUPANEL is 5/8 in. thick and designed for use with 3/8 in. RAUPEX O₂ barrier pipe.

Table of Dimensions

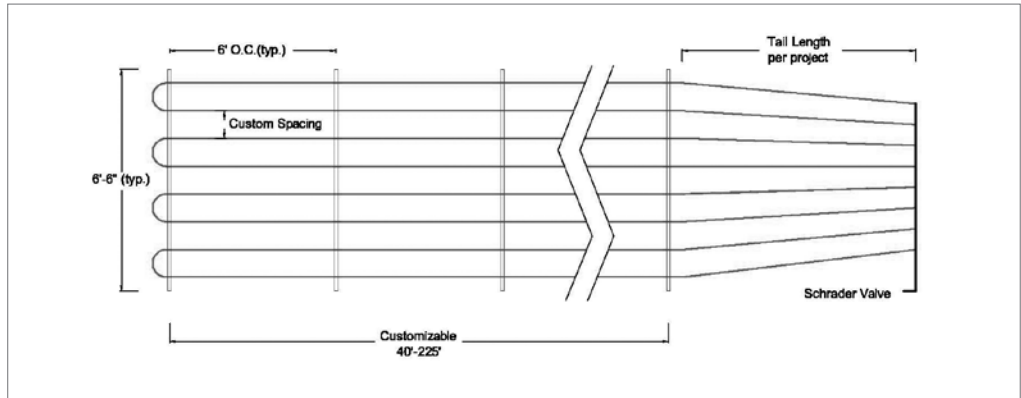
Article No.	Dimensions L x W x H	ft ² /pc	ft ² /pkg	m ² /pc	m ² /pkg
235307	72 x 6 x 5/8 in.	3.0	48.0	0.279	4.459
235327-PLY	48 x 8 x 5/8 in.	2.7	21.3	0.251	1.979
235337-PLY	48 x 9 x 5/8 in.	3.0	24.0	0.279	2.230
235377-PLY	48 x 1 15/16 x 5/8 in.	0.7	22.7	0.065	2.110

RAUBOARD™ Radiant Heating System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298896-001	RAUBOARD Double Groove	6 pcs/bundle	2.3	5.0	1 bundle
298796-001	RAUBOARD Single Groove	6 pcs/bundle	1.1	2.5	1 bundle
298396-001	RAUBOARD Return Groove	6 pcs/bundle	1.1	2.4	1 bundle
136549-001	10.1 mm RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	11.8	26.0	1 coil
136549-500	10.1 mm RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	5.9	13.0	1 coil
200526-001	10.1 mm SDR11 Coupling	10 pcs/box	0.02	0.04	1 box
200536-001	10.1 mm SDR11 Sleeve	10 pcs/box	0.01	0.02	1 box
200546-001	10.1 mm RAUPEX x R-20 Brass Manifold Outlet	2 pcs/bag	0.06	0.14	1 bag
228950-002	10.1 mm Polymer Support Bend	100 pcs/box	0.02	0.06	1 box
228396-001	RAUTOOL K10 Tool Kit	1	2.3	5.0	1

RAUBOARD low-profile heat transfer panels are used in floors, walls and ceilings to efficiently and evenly distribute heat from REHAU RAUPEX pipe into the room. Panels are installed between the subfloor and the finished floor or between the joists and the wall/ceiling coverings. After screwing the panels to the subfloor or wall/ceiling joists, the 10.1 mm RAUPEX pipe snaps into the groove for convenient installation. A small bead of silicone is applied to the groove before installing the pipe. RAUBOARD panels are 1/2 in. thick with pipe spacing of 6 in (152 mm) on-center.

4. RADIANT HEATING MAT SYSTEMS

RAUMAT™ is a pre-assembled roll of RAUPEX O₂ barrier pipe intended for radiant heating and cooling systems to be installed in large, open slab areas. RAUMAT is custom designed and built to project-specific requirements. The installer can roll out the mat instead of individually installing each radiant piping circuit. Contact your local REHAU sales office for availability. RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary.



RAUMAT Pre-assembled Radiant Mat System With 3/4 in. RAUPEX Pipe

Options

Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing
Pipe	RAUPEX O ₂ barrier 3/4 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft
Pre-pressurization	Pressure tested at factory (20 psi), kept under pressure when delivered to project site

RAUMAT Pre-assembled Radiant Mat System With 5/8 in. RAUPEX Pipe

Options

Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing (1 in. OC increments)
Pipe	RAUPEX O ₂ barrier 5/8 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft
Pre-pressurization	Pressure tested at factory (20 psi), kept under pressure when delivered to project site

RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary. Contact your local REHAU sales office for availability.

RAUPEX® SPEED Hook-and-Loop Radiant System

RAUPEX SPEED hook-and-loop system is used in floors to efficiently and evenly distribute heat/cold from RAUPEX SPEED pipe into the room. The system can be installed in a normal concrete slab on grade, suspended slab or above suspended wood floor and encased in a thin slab overpour. After laying the hook-and-loop mat, the 1/2 in. RAUPEX SPEED pipe is attached to the mat providing a convenient and fast installation.



1/2 in. RAUPEX SPEED O ₂ Barrier Pipe						
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order	
160950-300	1/2 in. RAUPEX SPEED O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil	
160950-001	1/2 in. RAUPEX SPEED O ₂ Barrier Pipe, 1,000 ft coil (304.8 m)	1,000 ft	26.3	57.9	1 coil	

RAUPEX SPEED O₂ barrier pipe includes a hook-and-loop wrap for easy fastening to the RAUPEX SPEED mat (Art. 316110-100). 1/2 in. pipe average capacity is 0.0098 US gallons per foot (0.1222 l/m).



RAUPEX SPEED Mats						
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order	
316110-100	RAUPEX SPEED Mat R, Roll	161.4 ft ² (15m ²)	11.7	25.79	1 roll	

The RAUPEX SPEED hook-and-loop mat has a coating of adhesive on the bottom which allows it to be installed on different insulation materials and substrates. The loop part of the "hook-and-loop system" on the top of the mat combined with the hook tape of the RAUPEX SPEED O₂ barrier pipe ensures very fast installation times.



RAUPEX SPEED Door Spreaders						
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order	
104027-001	RAUPEX SPEED Door Spreader With Pipe Guide	1	1.10	2.42	1	

The RAUPEX SPEED door spreader with pipe guide aids in the installation of the RAUPEX SPEED hook-and-loop radiant system by guiding the pipe above the mat during the installation process.



RAUPEX Horizontal Uncoilers						
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1	

Uncoiler dispenses RAUPEX pipe without twists or kinks. Pipe is drawn off horizontally. Uncoiler is capable of holding RAUPEX coils up to 1 in. and folds for convenient transportation to job sites.

5. PRO-BALANCE STAINLESS STEEL MANIFOLD



PRO-BALANCE 1 in. Stainless Steel Manifold With Gauges							
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
381101-001	1	254	9.98	1	2.4	5.3	1
381102-001	2	310	12.20	1	2.8	6.2	1
381103-001	3	365	14.37	1	3.2	7.1	1
381104-001	4	420	16.54	1	3.6	8.0	1
381105-001	5	475	18.7	1	4.0	8.9	1
381106-001	6	530	20.87	1	4.4	9.8	1
381107-001	7	585	23.03	1	4.9	10.7	1
381108-001	8	640	25.20	1	5.2	11.6	1
381109-001	9	695	27.36	1	5.7	12.5	1
381110-001	10	750	29.53	1	6.0	13.3	1
381111-001	11	805	31.69	1	6.5	14.3	1
381112-001	12	860	33.86	1	6.9	15.1	1

Delivered pre-assembled and ready to install. Use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with manifold valve actuator. Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections below).

Each PRO-BALANCE 1 in. manifold comes complete with the following:

- 1 in. NPT supply and return manifold isolation valves with gaskets and mini thermometers
- Visual flow gauges/isolation valves (0 to 2 GPM) on stainless steel supply header
- Circuit balancing/isolation valves on stainless steel return header
- Air vent drain valves with gaskets
- Mounting brackets
- Vent key and holder
- Installation instructions
- Manifold circuit chart

Notes:

- Manifold lengths above include the isolation ball valve 2.44 in (62 mm) and the air vent/boiler drain valves 2.24 in (57 mm)
- Maximum flow is 2.0 GPM (0.13 l/s) per circuit; and a total manifold flow of no more than 20 GPM (1.26 l/s)
- Depth of manifold is 3.9 in (10.0 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 in. BSPP unions (Art. 316258-002)



RAUPEX Connections for PRO-BALANCE Stainless Steel Manifolds							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
418315-001	3/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
418317-001	1/2 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418318-001	5/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418319-001	3/4 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors

For use with 1 in. PRO-BALANCE stainless steel manifold. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.



PRO-BALANCE Stainless Steel Manifold Replacement Flow Gauges

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316252-002	PRO-BALANCE 1 in. Flow Gauge Replacement Kit, Nickel Plated	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds and connect directly with a 3/8 in. threaded connection. The replacement flow gauges have an integrated shutoff valve that is manually activated with a common vent key. For operation of the flow gauge shutoff valve, refer to the *REHAU PRO-BALANCE Manifold Product Instructions*. Install using thread sealant.



PRO-BALANCE Stainless Steel Manifold Circuit Balancing/Isolation Valves

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316254-002	PRO-BALANCE Circuit Balancing/Isolation Valve, Nickel Plated	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the 1 in. PRO-BALANCE stainless steel manifold. Install using thread sealant.



PRO-BALANCE Stainless Steel Manifold Flow-stop Circuit Valves

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
316255-002	PRO-BALANCE Flow-Stop Circuit Valve, Nickel Plated	5/box	0.12	0.26	1 box

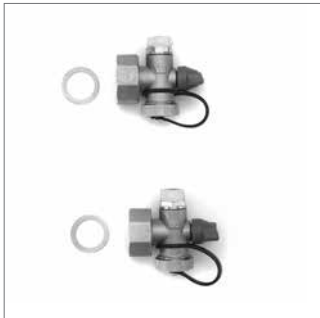
This nickel plated 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of 1 in. PRO-BALANCE stainless steel manifold to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Install flow-stop valves by hand onto R-20 outlets of the manifold. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. may only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.



NPT Valve Set With Thermometer Housings for PRO-BALANCE 1 in. Stainless Steel Manifolds

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316250-002	1 in. NPT Valve Set w/ Thermometer Housings, Nickel Plated	Set of 2	420	0.92	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 in. manifold. Includes gaskets. Mini thermometers are sold separately.



PRO-BALANCE Stainless Steel Manifold Air Vent/Boiler Drain Combination Set					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316257-002	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets, Nickel Plated	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT). Gasketed caps are also included as shown.



PRO-BALANCE Stainless Steel Manifold Union Sets					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316258-002	1 in. BSPP Unions w/ Gaskets, Nickel Plated	1 set of 2	300	0.60	1 set

For use with 1 in. PRO-BALANCE stainless steel manifolds to connect two or more manifolds together in series. Includes union nuts and gaskets. May be used to extend an installed manifold.



PRO-BALANCE Stainless Steel Manifold End Caps					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
316248-002	1 in. Manifold End Cap w/ Gasket, Nickel Plated	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.



PRO-BALANCE Stainless Steel Manifold BSPP 90° Angle Pieces					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316429-002	1 in. BSPP 90° Angle Piece w/ Gasket, Nickel Plated	1	343	0.76	1

For 1 in. PRO-BALANCE stainless steel manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.



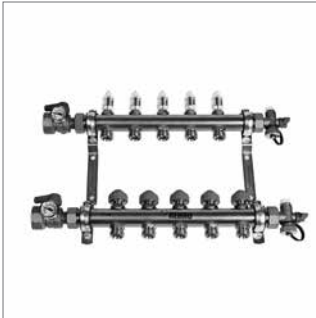
PRO-BALANCE Blind Plugs					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316264-002	Blind Plug 3/8 in. BSPP, Nickel Plated	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds. Install using thread sealant.



PRO-BALANCE Manifold Protective Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
321531-001	PRO-BALANCE Protective Cap (White)	1	3.6	0.01	1

6. PRO-BALANCE BRASS MANIFOLDS



PRO-BALANCE 1 in. Brass Manifold With Gauges

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
240021-100	2	310	12.20	1	2.8	6.2	1
240031-100	3	365	14.37	1	3.2	7.1	1
240041-100	4	420	16.54	1	3.6	8.0	1
240051-100	5	475	18.70	1	4.0	8.9	1
240061-100	6	530	20.87	1	4.4	9.8	1
240071-100	7	585	23.03	1	4.9	10.7	1
240081-100	8	640	25.20	1	5.2	11.6	1
240091-100	9	695	27.36	1	5.7	12.5	1
240101-100	10	750	29.53	1	6.0	13.3	1
240111-100	11	805	31.69	1	6.5	14.3	1
240121-100	12	860	33.86	1	6.9	15.1	1

Delivered pre-assembled and ready to install. Use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with manifold valve actuator. Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections).

Each PRO-BALANCE 1 in. manifold comes complete with the following:

- 1 in. NPT supply and return manifold isolation valves with gaskets and mini thermometers
- Visual flow gauges/isolation valves (0 to 2 GPM) on brass supply header
- Circuit balancing/isolation valves on brass return header
- Mounting brackets
- Air vent drain valves with gaskets
- Vent keys
- Four drywall screws and four sheet metal screws
- Installation instructions
- Manifold circuit chart

Notes:

- Manifold lengths above include the isolation ball valve 2.44 in (62 mm) and the air vent/boiler drain valves 2.24 in (57 mm)
- Maximum flow is 2.0 GPM (0.13 l/s) per circuit; and a total manifold flow of no more than 20 GPM (1.26 l/s)
- Depth of manifold is 3.9 in (10.0 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 in. BSPP unions (Art. 260407) or 1 in. BSPF x 1 in. BSPF x 1 1/4 in. BSPM union tee (Art. 250227-001).



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges							
Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
281841-100	4	398	15.08	1	5.0	11.0	1
281851-100	5	453	17.06	1	5.4	12.0	1
281861-100	6	508	19.02	1	6.0	13.1	1
281871-100	7	563	20.99	1	6.5	14.2	1
281881-100	8	618	22.95	1	6.9	15.3	1
281891-100	9	673	24.92	1	7.5	16.4	1
281801-100	10	728	26.89	1	9.2	20.3	1

Delivered pre-assembled and ready to install. Use with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with Manifold Valve Actuator (Art. 260166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections)

Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges/isolation valves (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini Thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPF x 1 1/4 in. BSPF x 1 1/4 in. BSPM Union Tee (Art. 250228-001).



RAUPEX Connections for PRO-BALANCE Brass Manifolds							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
267507-101	3/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
261007-101	1/2 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267557-101	5/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267007-101	3/4 in. RAUPEX x R-20 Brass Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors
267007-100	EPDM O-ring for RAUPEX Insert to R-20 Connection	10	500	n/a	0.91	0.002	1 bag/10 rings

For use with 1 and 1 1/4 in. PRO-BALANCE manifolds. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.



PRO-BALANCE Brass Manifold Replacement Flow Gauges

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250220-002	PRO-BALANCE 1 in. Flow Gauge Replacement Kit	1	85	0.19	1
281901-002	PRO-BALANCE 1 1/4 in. Flow Gauge Replacement Kit	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE brass manifolds and connect directly with a 3/8 in. threaded connection. The replacement flow gauges have an integrated shutoff valve that is manually activated with a common vent key. For operation of the flow gauge shutoff valve, refer to REHAU *PRO-BALANCE Manifold Product Instructions*. Install using thread sealant.



PRO-BALANCE Brass Manifold Circuit Balancing/Isolation Valves

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250221	PRO-BALANCE Circuit Balancing/Isolation Valve	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the 1 and 1 1/4 in. PRO-BALANCE manifold. Install using thread sealant.



PRO-BALANCE Brass Manifold Flow-Stop Circuit Valves

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250224	PRO-BALANCE Flow-stop Circuit Valve	5/box	0.12	0.26	1 box

This brass 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of 1 and 1 1/4 in. PRO-BALANCE manifolds to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Install flow-stop valves by hand onto R-20 outlets of the PRO-BALANCE 1 in. manifold. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. May only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.



NPT Valve Set With Thermometer Housings for PRO-BALANCE 1 in. Brass Manifolds

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250216	1 in. NPT Valve Set w/ Thermometer Housings	Set of 2	420	0.92	1 set

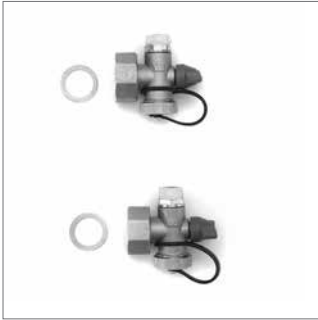
These valves have integrated thermometer housings on each side of the valve bodies. Mini Thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 in. manifold. Includes gaskets. Mini thermometers are sold separately.



PRO-BALANCE 1 1/4 in. Brass Manifold NPT Isolation Ball Valve Sets

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
281931-001	1 1/4 in. NPT Isolation Valve Set w/ Gaskets	1 set of 2	2.1	4.63	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 1/4 in. manifold. Includes gaskets. Mini thermometers are sold separately.



PRO-BALANCE Brass Manifold Air Vent/Boiler Drain Combination Sets					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250226	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT) for convenient connections. Gasketed caps are also included as shown.



PRO-BALANCE Brass Manifold Automatic Air Vents					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250212	Automatic Air Vent 3/8 in. BSPP	1	142	0.31	1

For 1 and 1 1/4 in. PRO-BALANCE manifolds. Can be used to replace manual air vent on air vent/boiler drain pieces (Art. 250226) to allow automatic elimination of entrained air in a hydronic system.



PRO-BALANCE Brass Manifold Union Sets					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
260407	1 in. BSPP Unions w/ Gaskets	1 set of 2	300	0.60	1 set
281971-001	1 1/4 in. BSPP Unions w/ Gaskets	1 set of 2	220	0.49	1 set

For use with 1 and 1 1/4 in. PRO-BALANCE manifolds to connect two or more manifolds together in series. Includes union nuts and gaskets. May be used to extend an installed manifold.



PRO-BALANCE 1 1/4 in. Brass Manifold Adapter Fittings					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298986-001	1 1/4 in. BSPF x 1 in. BSPM Adapter	1 set of 2	129	0.28	1 set

For use with PRO-BALANCE 1 1/4 in. brass manifolds to transition 1 1/4 in. BSPF x 1 in. BSPM in order to use air vent/boiler drain combination set (Art. 250226).



PRO-BALANCE Brass Manifold End Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250213	1 in. Manifold End Cap w/ Gasket	1	100	0.22	1
281951-001	1 1/4 in. Manifold End Cap w/ Gasket	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.



PRO-BALANCE Brass Manifold BSPP 90° Angle Pieces					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250214	1 in. BSPP 90° Angle Piece w/ Gasket	1	343	0.76	1
281981-001	1 1/4 in. BSPP 90° Angle Piece w/ Gasket	1	418	0.92	1

For 1 and 1 1/4 in. PRO-BALANCE manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.



PRO-BALANCE Blind Plugs					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298186-001	Blind Plug 3/8 in. BSPP	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE 1 and 1 1/4 in. flow gauges on the supply side of the PRO-BALANCE brass manifolds. Install using thread sealant.



PRO-BALANCE Manifold Protective Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298996-100	PRO-BALANCE Protective Cap (Blue)	1	3.6	0.01	1

7. PRO-BALANCE MANIFOLD ACCESSORIES



PRO-BALANCE Manifold Extension Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
250225-100	Extension Kit for PRO-BALANCE Manifolds	1	1.0	2.2	1

Used to add a circuit to an existing PRO-BALANCE 1 in. manifold. The extension kit includes a supply section with a visual flow gauge, a return section with a circuit balancing/isolation valve and two gaskets.



PRO-BALANCE Pressure Differential Bypass Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281541-001	PRO-BALANCE Pressure Differential Bypass Module	1	1.3	2.8	1

This modular accessory connects directly to PRO-BALANCE manifold. Normally, a constant speed circulator is sized assuming that all circuits in a zone valve system may be open. The pressure differential bypass module provides a means to control the excess flow (velocity) that would otherwise occur when actuators close. Installation of this module onto the 1 in. PRO-BALANCE manifolds creates an automatically regulated flow path such that operating zone circuits do not see unnecessarily high flow.



PRO-BALANCE Manifold Flow Setter Valves

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
244807-001	1/2 to 4 GPM PRO-BALANCE Flow Setter Valve	1	760	1.67	1

PRO-BALANCE flow setter valves are used to set flow to PRO-BALANCE 1 in. manifolds and can be installed in-line into any pipe feeding a manifold. This is ideal when multiple manifolds are fed from a single circulator and flow needs to be set correctly to each. PRO-BALANCE flow setter valves are also used in variable speed injection pump mixing systems to set the flow through the injection loop.

PRO-BALANCE flow setter valves are supplied with two gaskets and adapters converting to 1 in. MPT.



PRO-BALANCE Mixing Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281501-001	PRO-BALANCE Mixing Module	1	4.10	9	1

Intended for small radiant heating applications using a fixed "set point" temperature supply. Designed to fit directly to the left or right of the PRO-BALANCE manifold. The supply temperature to the manifold may be adjusted between 68 and 158°F (20 and 70°C), by means of temperature controlled injection valve. The injection valve has features that can limit the manual adjustment of the valve to prevent tampering and/or over-heating. The module pump would be typically energized by a room thermostat via a relay. The relay could be energized by a thermostat or via the end of the actuator of one of the REHAU electronic boxes.

Specifications:

- Max. acceptable working temperature/pressure:
- Pump:

176°F (80°C) / 87 psi (6 bar)

Grundfos UP 15-58-130 mm 1 in. BSPM connections; 3-speed cast iron "SUPERBRUTE"; Integral check valve; 115 VAC, 2 pole, single phase; Flow range: 0 to 17.5 US GPM; Head range: 0 to 19 ft



PRO-BALANCE Manifold Circuit Outlet Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250209-C	R-20 Circuit Outlet Cap w/ Gasket	1	28	0.07	1

Circuit outlet cap is used to cap off unused outlets on any 1 and 1 1/4 in. PRO-BALANCE manifold. Includes gasket.



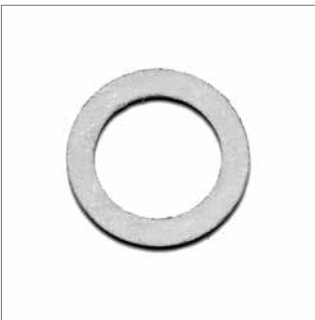
PRO-BALANCE Manifold Union Tee Sets					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250227-001	1 in. BSPP Manifold Union Tee w/ Gaskets	1 set of 2	0.60	1.32	1 set
250228-001	1 1/4 in. BSPP Manifold Union Tee w/ Gaskets	1 set of 2	1.50	3.30	1 set

Male thread connections for Manifold Union Tee Sets are 1 1/4 in. BSPM. Sets are supplied with gaskets.



PRO-BALANCE Manifold Mini Thermometers					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250218	Mini Thermometer	1	24	0.05	1

Mini thermometers can be set into the housings on 1 1/4 or 1 in. NPT valves with thermometer housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE manifold (for use only with these valves). Thermometers read from 40 to 200°F and 0 to 100°C. Valves sold separately.



PRO-BALANCE Manifold Gaskets					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250203-G	Gasket for 1 in. Manifold Valve	1	0.91	0.002	1
281811-001	Gasket for 1 1/4 in. Manifold Valve	1	2.30	0.005	1



PRO-BALANCE Manifold Brackets					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
261386	1 1/4 in. Steel Manifold Brackets	Set of 2	0.45	1.0	1 set
261396	1 1/2 in. Steel Manifold Brackets	Set of 2	0.50	1.1	1 set

These steel brackets are for use with PRO-BALANCE 1 in. and 1 1/4 in. manifolds used in supply/return configuration. Flexible liners reduce vibration/noise transfer and permit limited movement.



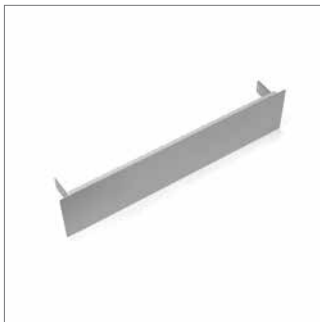
PRO-BALANCE White Surface Mount Manifold Cabinets						
Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
347400-512	White Surface Mount Manifold Cabinet 16W	Up to 3	1	27.6	12.5	1
347410-512	White Surface Mount Manifold Cabinet 20W	Up To 5	1	35.5	16.1	1
347420-512	White Surface Mount Manifold Cabinet 28W	Up to 8	1	42.1	19.1	1
347430-512	White Surface Mount Manifold Cabinet 36W	Up to 11	1	50.0	22.7	1
347440-512	White Surface Mount Manifold Cabinet 44W	Up to 12	1	52.7	23.9	1
347450-512	White Surface Mount Manifold Cabinet 50W	Up to 12	1	59.1	26.8	1

PRO-BALANCE manifold cabinets for surface installations. The cabinets are made from galvanized steel with basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for easy mounting of PRO-BALANCE 1 and 1/4 in. manifolds. Removable coverplate below door temporarily extends cabinet opening to the floor (27 in / 69 cm). Cabinet steel door comes with white slotted cabinet lock(s).



PRO-BALANCE White Flush Mount Manifold Cabinets						
Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
345400-512	White Flush Mount Manifold Cabinet 16W	Up to 3	1	30.2	13.7	1
345410-512	White Flush Mount Manifold Cabinet 20W	Up to 5	1	38.4	17.4	1
345420-512	White Flush Mount Manifold Cabinet 28W	Up to 8	1	44.8	20.3	1
345430-512	White Flush Mount Manifold Cabinet 36W	Up to 11	1	51.1	23.2	1
345440-512	White Flush Mount Manifold Cabinet 44W	Up to 12	1	58.6	26.6	1
345450-512	White Flush Mount Manifold Cabinet 50W	Up to 12	1	66.4	30.1	1

PRO-BALANCE manifold cabinets for flush installation. The cabinets are made from galvanized steel and the frame/door assembly is basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for easy mounting of PRO-BALANCE manifolds. Pipe knockouts on both sides allow for pipe connections to the manifold. Cabinet has adjustable legs (0 - 5.7 in / 0 - 15 cm) and screed coverplate (sold separately) to stand the cabinet on the floor with an existing opening. For most installations, the legs are removed and the enclosure is mounted in the wall cavity. The frame/door assembly is adjustable to account for the thickness of the gypsum or other wall coverings (0 - 1.5 in / 0 - 4 cm). Cabinet steel door comes with white slotted lock(s).



PRO-BALANCE White Flush Mount Manifold Cabinet Screed Plates						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			g	lb		
217637-001	Screed Coverplate for White Flush Cabinet 16W	1	0.7	1.5	1	
217642-001	Screed Coverplate for White Flush Cabinet 20W	1	0.8	1.8	1	
217647-001	Screed Coverplate for White Flush Cabinet 28W	1	1.1	2.4	1	
217652-001	Screed Coverplate for White Flush Cabinet 36W	1	1.4	3.0	1	
217657-001	Screed Coverplate for White Flush Cabinet 44W	1	1.6	3.6	1	
217662-001	Screed Coverplate for White Flush Cabinet 50W	1	1.8	4.1	1	

Manifold cabinet screed coverplate used to finish opening for flush mounted cabinets when installed standing on the floor.



PRO-BALANCE Manifold Cabinet Locks					
Article No.	Description	Mounting Hole	Unit Weight		Minimum Order
			g	lb	
217688-001	Keyed Lock for 34XXXX Manifold Cabinets	19 mm square	41	0.09	1 set
298606-001	Keyed Lock for 24XXXX Manifold Cabinets	15 x 18 mm double-D	41	0.09	1 set

Manifold cabinet lock with two keys can be used to replace the pre-installed clip-locks on all manifold cabinets.

8. REHAU SMART CONTROLS



REHAU Smart Controls (RSC) is an intelligent climate control technology, scaleable from small residential heating systems to complex, high-end residential and light commercial applications.

The system incorporates real-time weather data for enhanced efficiency and effectiveness, a statistical database to track system performance and established rules that create a better indoor climate. The REHAU Smart Controls system will enable real-time on-site or remote management and optimization of HVAC system functioning from any web-enabled device. New for 2017! RSC can be controlled with voice commands using Amazon Echo or Amazon Dot. So now, building owners can control their comfort settings without interfacing with thermostats, smart phones, tablets or PCs.

REHAU Smart Controls Packages are custom-made for each project, therefore article numbers, pricing, options and lead times vary. Contact your REHAU sales office for a custom quote.

REHAU Smart Controls Packages	
Description	Total Outputs + Zones
RSC Bronze Package	20
RSC Silver Package	30
RSC Gold Package	40
RSC Platinum Package	90
RSC Platinum+ Package	150

REHAU Smart Controls packages include software, computer, hardware cabinet and input/output blocks. Sensors and thermostats sold separately.

Software Options									
Package	Weather Forecast	Macros	Data Charts & Monitor	Auto. Back-ups	Heartbeat Alerts	Dynamic Weather Adjustments	Visualizer	Customer Care	Building Automation Interface
Bronze	X	X							
Silver	X	X							
Gold	X	X	X	X	X	X			
Platinum	X	X	X	X	X	X	X	X	
Platinum+	X	X	X	X	X	X	X	X	X

Software Option	Description
Weather Forecast	Interfaces with the National Weather Service and Canadian Weather Service and provides access to current and forecasted temperatures, humidity, rain and snow.
Macros	Set of commands that can be set up to make dynamic changes to the operation of any system under control of ENV (e.g., thermostat setpoints and modes, domestic hot water).
Data Charts & Monitor	A way to store data fields in a database on a continuous basis (e.g., temperatures, on/off). The user has complete control over sampling period and frequency. Monitors are a way of looking at data fields in real time.
Automatic Back-ups	Nightly ENV will automatically backup database to a hard drive, external drive or to the cloud for offsite storage; backup can also be performed manually.
Heartbeat Alerts	Every two hours the ENV server attempts to perform a handshake with the customer's computer. If that fails, an email and/or text message is broadcast to one or more addresses as provided by the user. In addition to that alert, other tests are performed (e.g., backups successful, backup files on local drive, excessive use of memory, new release availability, errors exceeding thresholds, critical services stopped). Dynamic Weather Adjustment ENV uses the weather forecast to adjust the Outdoor Reset Curve. If the temperature is rising, the curve is scaled up and vice-versa.
Visualizer	Graphical package used to view system diagrams (e.g., mechanical room, schematics, floor plans). The user can create and animate iconic representation of all devices in the building (e.g., thermostats, boiler, pumps).
Customer Care	3-year agreement that provides access to all new major product releases and two hours of telephone support. Includes the gateway for the customer to access their system without knowing their IP address.
Building Automation Interface	Provides an XML interface to any external system to gain access to most database fields (e.g., setpoints, temperatures).
Snow & Ice Melt Interface	Handles an unlimited number of zones and mixing strategies. Uses weather forecasts to start an idle cycle well ahead of the advent of a snow event and based on a confidence calculation. License fee is per zone. SIM requires one of the basic software packages (e.g., Bronze, Silver)



REHAU Smart Controls RSC T-32-P Communicating Thermostats			
Article No.	Description	Package Quantity	Minimum Order
398010-001	RSC T-32-P Communicating Thermostat	1	1

Thermostat works with all HVAC Systems, both standard gas/electric and heat pump, and supports multistage units.

Wiring: Wiring between thermostat to HVAC device (e.g. heat pump, gas/electric furnace) use 8 Conductor/ 18 AWG solid - standard thermostat wire. Wiring for communication should be "daisy-chained" – Cat 5 wiring from the last thermostat, to the next thermostat, all the way back to the REHAU Smart Control Cabinet.

Power: Supply of 24 VAC power to the thermostat (provided by others) usually found at the HVAC device. If there is no power located at HVAC device, a separate 2 conductor/18 AWG needs to be run from REHAU Smart Controls cabinet location to each thermostat that requires power.

This thermostat does not have the ability to have a remote sensor.



REHAU Smart Controls RSC TR 65 485 Communicating Thermostat

Article No.	Description	Package Quantity	Minimum Order
214228-001	RSC TR 65 485 Communicating Thermostat	1	1

Thermostat works with all HVAC systems, both standard gas/electric and heat pump, and supports multi-stage units.

Wiring: Between the wall unit and control unit is four wires which can be thermostat wiring, Cat 3 or Cat 5 cables. From the control unit to the HVAC system (e.g. heat pump, gas/electric furnace) use 8 conductor/18 AWG soild, using the standard thermostat connections. Communication to the REHAU Smart Control cabinet is Cat 5 wire.

Power: Supply of 24 VAC power to the thermostat (provided by others). On-board 12 VDC powers the unit.

This communicating thermostat can be used with Flush Mount Room Sensor (Art.298356-001). Wiring to the remote sensor can be done using 2 conductor/18 AWG from the wall display unit.



REHAU Smart Controls Sensors

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298356-001	RSC 10K Flush Mount Room Sensor	1	0.004	0.009	1
298366-001	RSC 10K Plate Sensor	1	0.54	1.20	1
298496-001	RSC Buffer Tank Sensor	1	0.54	1.20	1
298436-001	RSC Slab Sensor with 25 ft Lead	1	0.23	0.50	1
298426-002	RSC Outdoor Air Sensor	1	0.18	0.40	1
298476-001	RSC Domestic Water Tank Sensor (Steel Well)	1	0.45	0.99	1
298456-001	RSC Humidity Sensor	1	0.05	0.17	1
298446-001	RSC Current Sensor	1	0.02	0.24	1
298486-001	RSC Room Humidity and Temperature Sensor	1	0.08	0.18	1
298166-001	RSC Pipe Sensor with 24 in. Lead	1	0.01	0.02	1

REHAU Smart Contrs Hardware Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298306-001	RSC V-Linx Ethernet to RS-485 Converter (Spare Part)	1	2.72	6.00	1
236297-001	RSC R003P 24 VAC Relay	1	0.13	0.29	1
298156-001	RSC 24 VAC to 24 VDC Power Supply	1	0.11	0.25	1
398000-001	RSC SIM Moisture Detector	1	2.31	5.10	1
398020-001	RSC SIM Moisture Detector Housing	1	0.95	2.10	1
398024-001	RSC BACnet Router	1	0.32	0.70	1

9. ZONE CONTROLS AND THERMOSTATS



Manifold Actuator Controls– Wiring Junction Box with Transformers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298276-001	4 Manifold Actuator Control	1	2.45	5.45	1
298286-001	6 Manifold Actuator Control	1	2.68	5.87	1

The REHAU manifold actuator controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. The unit includes two built-in 40 VA transformers. Extra fuses provided.

Features and specifications:

- Power output to REHAU thermostats (Art. 236477-001, 236487-001, 398022-001 and 398023-001)
- Front diagnostic lights
- Switchable priority (Zone 4)
- Simplified wiring
- Works with REHAU manifold actuator (Art 260166) or RA actuator (Art 260167), max 4 per zone
- Compact design
- Fuse protected
- 100% factory tested, UL approved, made in the USA
- Two pump end switches can control up to 3 pumps: system, secondary and DHW
- Contractor-friendly PC board layout
- Field replaceable transformer
- Overall dimensions approximately 12 x 8 x 3 in (28 x 18 x 7 cm)
- Power supply 120 VAC, power output up to 80 VAC



Zone Pump Relay Controls– Wiring Junction Box with Transformer and Priority					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298726-001	3 Zone Pump Relay Control	1	1.49	3.28	1
298756-001	4 Zone Pump Relay Control	1	1.52	3.35	1
298766-001	6 Zone Pump Relay Control	1	1.64	3.62	1

The REHAU zone pump relay controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. Each unit includes a 15 VA transformer ready to power thermostats. Relays are individually fuse protected. Two spare fuses built-in.

Features and specifications:

- Power output to REHAU thermostats (Art. 236477-001, 236487-001, 398022-001 and 398023-001)
- Premium sealed and individually fuse-protected relays
- Front diagnostic lights
- Switchable priority
- Simplified wiring
- Compact design
- Fuse protected
- 100% factory tested, UL approved, made in the USA
- Two pump end switches can control up to 3 pumps: system, secondary and DHW
- Contractor-friendly PC board layout
- Field replaceable transformer
- Universal thermostat compatibility
- Overall dimensions approximately 12 x 8 x 3 in (28 x 18 x 7 cm)
- Power supply 120 VAC, power relay maximum 7.2 amps (1/3 hp) at 120 VAC



Zone Control Modules					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
243047-001	Zone Control, 4 Zone Module	1	0.45	1.0	1
243077-001	Zone Control, 6 Zone Module*	1	0.56	1.2	1

* This item is not stocked. Lead times may vary.

The zone control module provides a convenient low-voltage wiring panel for thermostats and manifold valve actuators. The zone control module is for use with REHAU thermostats (Art. 236477-001, 236487-001, 398022-001 and 398023-001) and manifold valve actuators (Art. 260166, 260167).

The zone control module may control up to four zones (thermostats), with up to eight actuators (maximum two per zone). Each zone has a terminal for end-switch wires, provided on REHAU manifold valve actuators, to operate circulator pumps, boiler, etc. (through a separate low-voltage relay). For more than four zones (thermostats), additional modules can be connected using standard wire.

Features and specifications:

- LED indicator lights for power and actuation
- Neutral priority
- Screwless, push-button type terminal blocks for thermostat, actuator and power supply
- Overall dimensions approximately 6 3/8 W x 6 5/8 H x 2 3/4 in. D
- Enclosure: Flame Retardant Plastic 94 V0
- Power supply: 24 VAC power supply required (not included)
- Electrical switch rating: 10 A 1/3 hp @ 120 VAC



Dual Sensing Dial Thermostats					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236477-001	Dual Sensing Dial Thermostat	1	84	0.185	1

The display on this 3-wire thermostat is a simple easy-to-use dial with a red LED that is lit when there is a call for heat. With the optional floor sensor, this thermostat can regulate either the floor or the room temperature or both, in which case the floor sensor is used as a temperature limiter, either high or low limit. This thermostat also comes with both °F and °C dials.

This thermostat has a 4x DIP switch which allows for limited programming and system configuration. This includes setting high and low floor temperature limits and allowing the thermostat to operate as a simple on/off switch or with PWM anticipation logic.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. The thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Daily programming is not offered on this thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001



Dual Sensing Digital Thermostats					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236487-002	Dual Sensing Digital Thermostat	1	96	0.21	1

This 3-wire thermostat offers system set-up capabilities with simple, easy-to-use menus. There is a reduced operating mode which may be used for nighttime and vacation periods. With the optional floor sensor this thermostat can regulate either the floor or the room temperature or both. In that case the floor sensor is used as a temperature limiter, either high or low limit. Additional features include pump exercise, °F or °C capabilities and air/floor priority.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. Thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001



10K Floor Sensors					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236497-001	10K Floor Sensor (9.8 ft / 3 m)	1	62	0.14	1

Optional floor sensor for dual sensing thermostats. To be used only with Dual Sensing Dial Thermostat (Art. 236477-001) or Dual Sensing Digital Thermostat (Art. 236487-001).



Single-Stage Non-programmable Radiant Heating Thermostats With Floor Sensor					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
398022-001	Single-stage Non-programmable RFH Thermostat (519)	1	0.27	0.60	1

Single-stage non-programmable radiant heating thermostat with floor sensor is designed specifically to control hydronic radiant heating zones using pulse width modulation (PWM) technology. Simple up and down buttons and a display with large type make this thermostat easy to read and use. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.

Additional features:

- Auto heating cycle
- Radiant floor heating
- Pulse width modulation
- Floor- and air-temperature control
- Outdoor and floor temperature display
- Backlight
- Freeze protection



Two-stage Programmable Radiant Heating Thermostats with Floor Sensor

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
398023-001	Two-stage Programmable RFH Thermostat (521)	1	0.27	0.60	1

Two-stage programmable radiant heating thermostat offers three modes of operation: one stage of heating, one stage of heating and one stage of cooling with fan, or two stages of heating with fan. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort. The programmable schedule supports either a 7-day or 24-hour schedule with 2 or 4 events per day. A permanent temperature hold button overrides the programmable schedule.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.

Additional features:

- 7-day programmable schedule
- Optimum start
- Permanent temperature hold
- Radiant floor heating
- 2-stage heating
- Cooling
- Fan
- Backlight
- Outdoor floor temperature display
- Time clock
- 4-hour battery-free clock backup



Accessories for Digital Thermostats

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236397	Floor Sensor for Digital Thermostat	1	26	0.06	1
315837-001	Adapter Plate for Thermostats (519)(521)	1	50	0.10	1

The floor sensor (Art. 236397) can be used for floor warming applications and/or to help limit (maximum and/or minimum) floor temperatures. Sensor is completely encased in a protective jacket and can be encased in concrete (it is recommended to slide sensor through a short protective conduit where the wires enter/exit the concrete or gypsum cement). Sensor comes with 10 ft (3 m) of 2-conductor wire.

The Adaptor Plate (Art. 315837-001) covers the paint ring left behind when replacing other thermostats, so that no patching or painting the wall is required. The plate also allows the thermostat to be installed onto a single-gang electrical box and includes screws for mounting the adaptor plate and the device that attaches to it. This adaptor is compatible with thermostats Art. 398022-001 and Art. 398023-001.



Flush Mount Indoor Sensors

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
315838-001	Flush Mount Indoor Sensor	1	50	0.1	1

The flush mount indoor sensor mounts flush or nearly flush to the wall to give an unobtrusive look and act as a hidden indoor sensor. Since the sensor material is corrosion resistant, drywall installers are able to mud over the sensor, or the sensor can be painted to match the existing wall color. The sensor can only be connected to thermostats Art. 398022-001 or Art. 398023-001 for remote temperature sensing.



4-wire Manifold Valve Actuator for PRO-BALANCE Manifolds

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260166	4-wire Manifold Valve Actuator	1	131	0.29	1

The 4-wire manifold valve actuator is used to open and close circuit valves on the 1 and 1 1/4 in. PRO-BALANCE manifolds. Use REHAU thermostats to control actuators directly, or connect through REHAU electronic controls.

Features and specifications:

- Gray position indicator provides visual verification of the actuator's position. When the actuator is off and closed, the gray indicator is flush with the top of the actuator. When the actuator is on and open, the gray indicator will rise out of the top of the actuator and be visible from the side.
- Red pull-out tab is provided to allow easy installation onto the manifold. After installation, remove red tab.
- A dry-contact end switch is built into the actuator. This end switch can be used to operate 24 VAC (2 amps max.) relays for pumps and other devices and can be wired so that pumps turn on only when actuator is fully open.
- If required, connect the green end switch wires to a suitable 24 VAC-powered relay to activate a device to be operated by the actuator's end switch or connect these wires directly into an appropriate zone control module.
- 24 VAC "thermal motor" heating element melts a wax cartridge, allowing the actuator to open when there is a call for heat (power on). When the power is off, the wax cools and closes the valve (normally closed). Operation takes 3-4 minutes.
- 4 wires: blue/brown – apply 24 VAC power; green (2) – end switch. Length – 40 in (100 cm).
- Ambient operating temperature range of 32 to 140°F (0 to 60°C).
- Low power draw: approximately 2 VA in operation. Maximum 4.5 VA when first powered. Ensure transformer has sufficient power (VA) to operate all actuators.



RA Two-way Zone Valves

Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
260027	3/4 in. FPT x 3/4 in. MPT RA Valve	2.7	1	0.44	0.97	1
260037	1 in. FPT x 1 in. MPT RA Valve	2.8	1	0.67	1.48	1
260196*	RA Valve Manual Balancing Handle	n/a	1	0.04	0.09	1

*This item is not stocked. Lead times may vary.

Build your own balancing manifold with these attachments for copper manifolds. Can be combined with the manifold valve actuator for RA valve (Art. 260167) for electric thermostat control (not the standard manifold valve actuator Art. 260166). 3/4 and 1 in. RA valve connections are as noted.



Manifold Valve Actuator for RA Valves

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
260167	Manifold Valve Actuator for RA Valve	1	0.14	0.30	1

The 4-wire manifold valve actuator is a special version for use with RA valves. This includes balancing valves for 3/4 and 1 in. (Art. 260027 and 260037).

10. F2080 COMPRESSION-SLEEVE FITTINGS

F2080 compression-sleeve fittings are intended for heating, snow and ice melting and hydronic distribution, when used with RAUPEX PEXa pipes. F2080 compression-sleeve joints create reliable connections that can be walled in or embedded directly in a thermal mass (when wrapped in waterproof, rubber tape or RAUCROSS™ heat shrink tubing for corrosion protection – check local codes for compliance).

Installation is performed with REHAU F2080 compression-sleeve tools. Follow all published installation instructions.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243507-101	3/8 in. F2080 Sleeve	150	900	20	0.05	1 box
260077-101	1/2 in. F2080 Sleeve	150	900	23	0.05	1 box
243607-101	5/8 in. F2080 Sleeve	40	240	56	0.12	1 box
260577-101	3/4 in. F2080 Sleeve	80	480	37	0.08	1 box
260877-101	1 in. F2080 Sleeve	40	240	73	0.16	1 box
235507-101	1 1/4 in. F2080 Sleeve	25	150	105	0.23	1 box
235707-101	1 1/2 in. F2080 Sleeve	20	120	132	0.29	1 box
235907-101	2 in. F2080 Sleeve	10	60	245	0.54	1 box

Compression sleeves are unplated brass. Tapered end installs toward fitting.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243517-101	3/8 x 3/8 in. F2080 Coupling	70	420	36	0.08	1 box
260227-101	1/2 x 1/2 in. F2080 Coupling	60	360	54	0.12	1 box
243627-101	5/8 x 5/8 in. F2080 Coupling	40	240	76	0.17	1 box
260317-101	3/4 x 3/4 in. F2080 Coupling	35	210	82	0.18	1 box
260427-101	1 x 1 in. F2080 Coupling	20	120	136	0.30	1 box
235527-101	1 1/4 x 1 1/4 in. F2080 Coupling	5	30	227	0.50	1 box
235727-101	1 1/2 x 1 1/2 in. F2080 Coupling	5	30	345	0.76	1 box
235927-101	2 x 2 in. F2080 Coupling	3	18	599	1.32	1 box

Order compression sleeves separately.



Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260247-101	3/4 x 1/2 in. F2080 Coupling	45	270	68	0.15	1 box
260447-101	1 x 3/4 in. F2080 Coupling	25	150	114	0.25	1 box
235517-101	1 1/4 x 1 in. F2080 Coupling	10	60	195	0.43	1 box
235717-101	1 1/2 x 1 1/4 in. F2080 Coupling	5	30	272	0.60	1 box
235737-101	1 1/2 x 1 in. F2080 Coupling	5	30	277	0.61	1 box
235917-101	2 x 1 1/2 in. F2080 Coupling	3	18	503	1.11	1 box
235937-101	2 x 1 1/4 in. F2080 Coupling	3	18	595	1.31	1 box
235947-101	2 x 1 in. F2080 Coupling	3	18	440	0.97	1 box

Order compression sleeves separately.



Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260087-101	1/2 in. F2080 Plug	100	600	32	0.07	1 box
260397-101	3/4 in. F2080 Plug	60	360	54	0.12	1 box
260497-101	1 in. F2080 Plug	30	180	91	0.20	1 box
235267-101	1 1/4 in. F2080 Plug	20	120	97	0.22	1 box

Order compression sleeves separately.



Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260017-101	1/2 in. F2080 x 3/8 in. C Female (Sweat) or 1/2 in. C Male (Street) Adapter	65	390	41	0.09	1 box
260047-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Adapter	65	390	45	0.10	1 box
243637-101	5/8 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	30	180	115	0.25	1 box
260807-101	3/4 in. F2080 x 1 in. C Female (Sweat) Adapter	25	150	114	0.25	1 box
260827-101	3/4 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Adapter	35	210	82	0.18	1 box
260837-101	3/4 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	25	150	118	0.26	1 box
260417-101	1 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	25	150	136	0.30	1 box
260947-101	1 in. F2080 x 1 1/4 in. C Male (Street) or 1 in. C Female (Sweat) Adapter	20	120	163	0.36	1 box
235567-101	1 1/4 in. F2080 x 1 1/4 in. C Male (Street) or 1 in. C Female (Sweat) Adapter	5	30	191	0.42	1 box
235577-101	1 1/4 in. F2080 x 1 1/2 in. C Male (Street) or 1 1/4 in. C Female (Sweat) Adapter	5	30	221	0.49	1 box
235767-101	1 1/2 in. F2080 x 1 1/2 in. C Male (Street) or 1 1/4 in. C Female (Sweat) Adapter	5	30	322	0.71	1 box
235777-101	1 1/2 in. F2080 x 2 in. C Male (Street) or 1 1/2 in. C Female (Sweat) Adapter	5	30	508	1.12	1 box
235967-101	2 in. F2080 x 2 in. C Male (Street) or 1 1/2 in. C Female (Sweat) Adapter	5	30	644	1.42	1 box
235977-101	2 in. F2080 x 2 1/2 in. C Male (Street) or 2 in. C Female (Sweat) Adapter	3	18	797	1.76	1 box

Copper adapters connect RAUPEX pipe to copper pipe in sizes indicated. Many of these copper adapters can be used as male (street) or female (sweat) fittings. Make solder connection before connecting to RAUPEX pipe. Order compression sleeves separately.



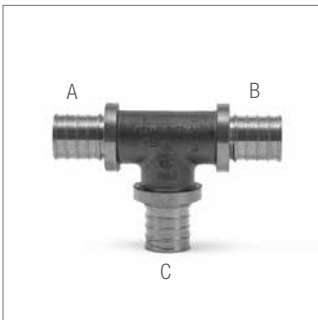
Dual MPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243537-101	3/8 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	50	300	59	0.13	1 box
260237-101	1/2 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	45	210	68	0.15	1 box
243647-101	5/8 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	35	210	91	0.20	1 box
260327-101	3/4 in. F2080 x 3/4 in. MPT or 1/2 in. C Female (Sweat) Adapter	25	150	122	0.27	1 box
260597-101	3/4 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat) Adapter	20	120	146	0.32	1 box
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat) Adapter	15	90	195	0.43	1 box
730053-001	1 1/4 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat) Adapter	5	30	190	0.41	1 box
235557-101	1 1/4 in. F2080 x 1 1/4 in. MPT or 1 in. C Female (Sweat) Adapter	5	30	291	0.64	1 box
235757-101	1 1/2 in. F2080 x 1 1/2 in. MPT or 1 1/4 in. C Female (Sweat) Adapter	5	30	503	1.11	1 box
235957-101	2 in. F2080 x 2 in. MPT or 1 1/2 in. C Female (Sweat) Adapter	3	18	889	1.96	1 box

Dual adapters connect RAUPEX pipe to either female threaded fittings (first size) or copper pipe (second size) in sizes indicated. Make threaded or solder connections before connecting to RAUPEX pipe. Order compression sleeves separately.



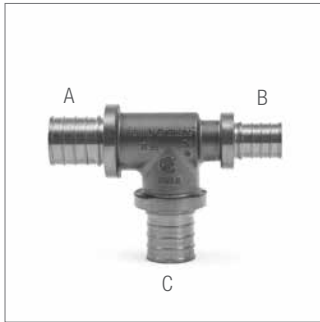
FPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260287-101	1/2 in. F2080 x 1/2 in. FPT Adapter	35	210	0.07	0.16	1 box
260387-101	3/4 in. F2080 x 3/4 in. FPT Adapter	25	150	0.13	0.28	1 box
260487-101	1 in. F2080 x 1 in. FPT Adapter	10	60	0.23	0.51	1 box

FPT adapters connect RAUPEX pipe to male threaded fittings in sizes indicated. Make threaded connections before connecting to RAUPEX. Order compression sleeves separately.



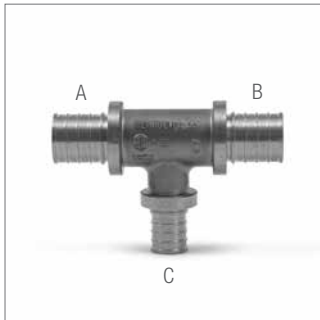
Straight Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260607-101	1/2 x 1/2 x 1/2 in. F2080 Tee	25	150	114	0.25	1 box
260617-101	3/4 x 3/4 x 3/4 in. F2080 Tee	15	90	191	0.42	1 box
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	349	0.77	1 box
235607-101	1 1/4 x 1 1/4 x 1 1/4 in. F2080 Tee	5	30	508	1.12	1 box
235807-101	1 1/2 x 1 1/2 x 1 1/2 in. F2080 Tee	2	12	875	1.93	1 box
236007-101	2 x 2 x 2 in. F2080 Tee	1	6	1397	3.08	1 box

Order compression sleeves separately.



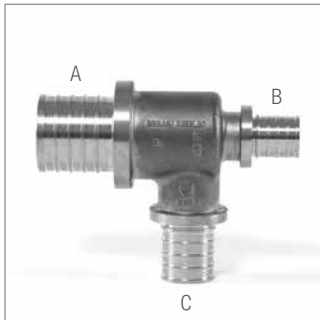
Run Reducing Tees							
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order	
		Box	Carton	g	lb		
260647-101	3/4 x 1/2 x 3/4 in. F2080 Tee	15	90	172	0.38	1 box	
260687-101	1 x 3/4 x 1 in. F2080 Tee	10	60	322	0.71	1 box	
235637-101	1 1/4 x 1 x 1 1/4 in. F2080 Tee	5	30	450	0.99	1 box	
235837-101	1 1/2 x 1 1/4 x 1 1/2 in. F2080 Tee	2	12	798	1.76	1 box	
235847-101	1 1/2 x 1 x 1 1/2 in. F2080 Tee	2	12	763	1.68	1 box	
236057-101	2 x 1 1/4 x 2 in. F2080 Tee	1	6	800	1.76	1 box	

Order compression sleeves separately.



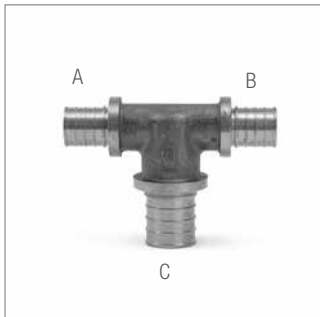
Branch Reducing Tees							
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order	
		Box	Carton	g	lb		
260627-101	3/4 x 3/4 x 1/2 in. F2080 Tee	20	120	159	0.35	1 box	
260707-101	1 x 1 x 3/4 in. F2080 Tee	10	60	295	0.65	1 box	
260727-101	1 x 1 x 1/2 in. F2080 Tee	10	60	254	0.56	1 box	
235617-101	1 1/4 x 1 1/4 x 1 in. F2080 Tee	5	30	454	1.00	1 box	
235627-101	1 1/4 x 1 1/4 x 3/4 in. F2080 Tee	5	30	404	0.89	1 box	
235817-101	1 1/2 x 1 1/2 x 1 1/4 in. F2080 Tee	2	12	650	1.43	1 box	
235827-101	1 1/2 x 1 1/2 x 1 in. F2080 Tee	2	12	694	1.53	1 box	
236017-101	2 x 2 x 1 1/2 in. F2080 Tee	1	6	1141	2.52	1 box	
236027-101	2 x 2 x 1 1/4 in. F2080 Tee	1	6	800	1.76	1 box	
236037-101	2 x 2 x 1 in. F2080 Tee	1	6	924	2.04	1 box	

Order compression sleeves separately.



Branch and Run Reducing Tees							
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order	
		Box	Carton	g	lb		
260637-101	3/4 x 1/2 x 1/2 in. F2080 Tee	20	120	141	0.31	1 box	
260697-101	1 x 3/4 x 3/4 in. F2080 Tee	10	60	254	0.56	1 box	
235657-101	1 1/4 x 1 x 1 in. F2080 Tee	5	30	422	0.93	1 box	
235857-101	1 1/2 x 1 1/4 x 1 1/4 in. F2080 Tee	2	12	685	1.51	1 box	
235867-101	1 1/2 x 1 1/4 x 1 in. F2080 Tee	2	12	571	1.27	1 box	
235877-101	1 1/2 x 1 x 1 in. F2080 Tee	2	12	590	1.30	1 box	
236067-101	2 x 1 1/2 x 1 1/2 in. F2080 Tee	1	6	1161	2.56	1 box	
236087-101	2 x 1 1/2 x 1 in. F2080 Tee	1	6	957	2.11	1 box	

Order compression sleeves separately.



Bullhead Tees							
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order	
		Box	Carton	g	lb		
260857-101	1/2 x 1/2 x 3/4 in. F2080 Tee	20	120	145	0.32	1 box	
260897-101	3/4 x 3/4 x 1 in. F2080 Tee	10	60	240	0.53	1 box	

Order compression sleeves separately.



90° Elbows, PEX to PEX						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260657-101	1/2 x 1/2 in. F2080 Elbow	40	240	77	0.17	1 box
260677-101	3/4 x 3/4 in. F2080 Elbow	25	150	132	0.29	1 box
260717-101	1 x 1 in. F2080 Elbow	10	60	254	0.56	1 box
235597-101	1 1/4 x 1 1/4 in. F2080 Elbow	8	48	372	0.82	1 box
235797-101	1 1/2 x 1 1/2 in. F2080 Elbow	2	12	593	1.31	1 box
235997-101	2 x 2 in. F2080 Elbow	2	12	1080	2.38	1 box

In some situations a 90° bend may be formed without an elbow (refer to REHAU's heating technical manuals); see support bends and PVC bend guides under installation accessories in this catalog. Order compression sleeves separately.



90° Elbows, PEX to MPT/Copper						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260737-101	1/2 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Drop Ear Elbow	25	150	118	0.26	1 box
260747-101	3/4 in. F2080 x 3/4 in. MPT or 1/2 in. C Female (Sweat) Elbow	15	90	172	0.38	1 box

Dual adapters connect RAUPEX pipe to either female threaded fittings (first size) or copper pipe (second size) in the sizes indicated. Art. 260737-101 has three drop ears with 0.275 in. diameter holes for increased stability. Art. 260747-101 does not have drop ears. Make threaded or solder connection before connecting to RAUPEX pipe. Order compression sleeves separately.



90° Elbows, PEX to Copper						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260537-101	1/2 in. F2080 x 1/2 in. C Male (Street) or 3/8 in. C Female (Sweat) Elbow	50	300	59	0.13	1 box
260557-101	1/2 in. F2080 x 3/4 in. C Female (Sweat) Elbow	35	210	86	0.19	1 box
260757-101	1/2 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	25	150	104	0.23	1 box
243687-101	5/8 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Elbow	20	120	150	0.34	1 box
243697-101	5/8 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	20	120	114	0.25	1 box
260767-101	3/4 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Elbow	20	120	163	0.36	1 box
260817-101	3/4 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	25	150	127	0.28	1 box

Copper adapters connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe. Order compression sleeves separately.

11. RAUPEX COMPRESSION NUT FITTINGS

RAUPEX split-ring compression nut brass fittings are machined from solid brass stock. Integral fitting/insert design provides positive clamping and sealing action with split compression ring.



RAUPEX MPT Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
267517	3/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	35	210	130	0.29	1 bag
260987	1/2 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	136	0.30	1 bag
267567	5/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	135	0.30	1 bag
260357	3/4 in. RAUPEX x 3/4 in. MPT or 1/2 in. C Female (Sweat)	1	15	90	229	0.50	1 bag
260477	1 in. RAUPEX x 1 in. MPT or 3/4 in. C Female (Sweat)	1	10	60	305	0.67	1 box

Dual adapter fittings connect RAUPEX pipe to threaded fitting (first size) or copper pipe (second size) in sizes indicated. Make solder or threaded connection before connecting to RAUPEX pipe.



RAUPEX Copper Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
260997	1/2 in. RAUPEX x 1/2 in. C Female (Sweat)	5	30	180	108	0.24	1 bag
260347	3/4 in. RAUPEX x 3/4 in. C Female (Sweat)	1	20	120	166	0.37	1 bag
260467	1 in. RAUPEX x 1 in. C Female (Sweat)	1	10	60	274	0.60	1 bag

Copper adapter fittings connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe.

12. F2080 COMPRESSION-SLEEVE BALL VALVES

F2080 compression-sleeve valves provide the same reliable connections as our other compression-sleeve fittings. Easy installation with F2080 compression-sleeve tools. These ball valves complete your heating installation. Solder valves in open position.



Straight Ball Valves, PEX to Copper								
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order	
			Box	Carton	g	lb		
261946-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Valve	3.0	24	144	150	0.33	1	
243667-101	5/8 in. F2080 x 3/4 in. C Female (Sweat) Valve	6.2	18	108	243	0.54	1	
261376-101	3/4 in. F2080 x 3/4 in. C Female (Sweat) Valve	6.2	12	72	223	0.49	1	

Make solder connection before connecting to RAUPEX pipe. Order compression sleeves separately.



Straight Ball Valves, PEX to PEX								
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order	
			Box	Carton	g	lb		
261906-101	1/2 x 1/2 in. F2080 Valve	3.0	18	108	190	0.42	1	
261956-101	3/4 x 3/4 in. F2080 Valve	6.2	12	72	230	0.51	1	

Order compression sleeves separately.



Balancing Ball Valves, PEX to Copper								
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order	
			Box	Carton	g	lb		
260797-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	12	72	270	0.60	1	
266447-101	3/4 in. F2080 x 3/4 in. C Female (Sweat) Balancing Valve	0 to 6.2	6	36	350	0.78	1	

Balancing ball valves combine a balancing screw with a ball valve in one unit. To balance flow, use a 1/8 in. hex key to adjust flow from 0 to 100%. 10 turns open is 100% flow (Cv as shown above), 5 turns open is 50% flow and 1 turn open is 10% flow. (Cv value indicates flow in GPM at 1 psi loss). Integral ball valve allows quick, positive shut off. Make solder connection before connecting to RAUPEX pipe. Order compression sleeves separately.

13. COMPRESSION NUT BALL VALVES

REHAU compression nut valves provide the same reliable connections as our other compression nut fittings. These ball valves complete your heating installation. Solder valves in open position.



Straight Ball Valves, Compression Nut to Copper								
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order	
			Box	Carton	g	lb		
267527	3/8 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	230	0.51	1 each	
260277	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	177	0.39	1 each	
267587	5/8 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	279	0.62	1 each	
260367	3/4 in. RAUPEX x 3/4 in. C Female (Sweat) Valve	6.2	6	36	340	0.75	1 each	

Make solder connection before connecting to RAUPEX pipe.



Balancing Ball Valves, Compression Nut to Copper								
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order	
			Box	Carton	g	lb		
260847	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	12	72	350	0.78	1 each	
267597	5/8 in. RAUPEX x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	6	36	420	0.93	1 each	

Balancing ball valves combine a balancing screw with a ball valve in one unit. To balance flow, use a 1/8 in. hex key to adjust flow from 0 to 100%. 10 turns open is 100% flow (Cv as shown above), 5 turns open is 50% flow and 1 turn open is 10% flow. (Cv value indicates flow at 1 psi loss). Integral ball valve allows quick positive shut off. Make solder connection before connecting to RAUPEX pipe.

14. COPPER MANIFOLDS



Pre-cut Copper Manifolds					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261326	1 in. Copper Manifold, 1/2 in. Outlets 2x	1	0.19	0.43	1
261336	1 in. Copper Manifold, 1/2 in. Outlets 3x	1	0.26	0.58	1
261346	1 in. Copper Manifold, 1/2 in. Outlets 4x	1	0.34	0.75	1

Manifolds are type L copper with open ends in sizes indicated. One end is copper male while the opposite end is flared to copper female (sweat). Manifold pieces may be combined to make longer manifolds. Copper outlets are high-temperature brazed (lead-free) into headers at 2 in. on-center so manifolds cannot be cut to length. 1/2 in. copper outlets are 2 in. long. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



Manifold Header Stock								
Article No.	Description	Max GPM	Header Size	Outlet Size	Package Quantity	Unit Weight		Minimum Order
						kg	lb	
250810	1 x 1/2 in. Copper Manifold	20	1 in.	1/2 in.	5	2.3	5.1	1
250817	1 x 3/4 in. Copper Manifold	20	1 in.	3/4 in.	4	2.6	5.8	1
250820	1 1/4 x 1/2 in. Copper Manifold	32	1 1/4 in.	1/2 in.	4	3.0	6.5	1
250827	1 1/4 x 3/4 in. Copper Manifold	32	1 1/4 in.	3/4 in.	4	3.2	7.2	1
250829	1 1/2 x 1/2 in. Copper Manifold	44	1 1/2 in.	1/2 in.	3	3.7	8.1	1
250830	1 1/2 x 3/4 in. Copper Manifold	44	1 1/2 in.	3/4 in.	3	4.0	8.7	1
250839	2 x 1/2 in. Copper Manifold	75	2 in.	1/2 in.	2	5.3	11.8	1
250840	2 x 3/4 in. Copper Manifold	75	2 in.	3/4 in.	2	5.1	11.2	1
250850	2 x 1 in. Copper Manifold	75	2 in.	1 in.	2	6.8	15.0	1

Manifolds are type L copper with open ends in sizes indicated. Copper outlets are high-temperature brazed (lead-free) into headers. Each manifold is 72 in (180 cm) long with 24 outlets at 3 in. on-center, except the 2 x 1 in. copper manifold (Art. 250850) which has 18 outlets at 4 in. on-center. Manifolds can easily be cut to length. Do not exceed maximum flow rates listed above. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



Plastic Manifold Brackets					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261266	Plastic Manifold Brackets	1 Set of 2	0.18	0.40	1 set

Brackets are made of reinforced nylon. A 1.57 in (40 mm) offset allows supply/return manifold clearance. These brackets are used with 1 in. and 1 1/4 in. diameter copper manifolds using supplied flexible spacers.



End Cap Vent Drains					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
250810-ECVD	1 in. End Cap Vent Drain	1	0.16	0.35	1
250820-ECVD	1 1/4 in. End Cap Vent Drain	1	0.23	0.50	1
250830-ECVD	1 1/2 in. End Cap Vent Drain	1	0.28	0.61	1
250840-ECVD	2 in. End Cap Vent Drain	1	0.42	0.93	1

End cap vent drain pieces are for use with copper manifolds for radiant and SIM applications. They allow easy connection of an automatic air vent (1/8 in. NPT) and a drain valve (1/2 in. NPT) to the end of the copper manifold. Use standard 1/8 in. NPT air vent.

Note: The REHAU automatic air vent (Art. 250212) does not work with the end cap vent drains due to different thread sizes. The REHAU automatic air vent is only for use on PRO-BALANCE brass manifolds.

15. INSTALLATION ACCESSORIES



Steel Support Bends						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
258408	3/8 and 1/2 in. Steel Support Bend	10	50	50	0.10	1 box
258798	5/8 in. Steel Support Bend	10	50	90	0.19	1 box
257249	3/4 in. Steel Support Bend	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend	5	50	380	0.84	1 box

Create 90° bends without an elbow fitting. 3/8, 1/2, 5/8 and 3/4 in. steel support bends create a 90° bend by quickly snapping over RAUPEX pipe. 1 in. steel support bends (not shown) slide onto pipe.



Polymer Support Bends with Screw Hole					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box
266217*	5/8 in. Polymer Support Bend	50	70	0.16	1 box
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box

* This item is not stocked. Lead times may vary.

These reinforced polymer bend supports create 90° bends without an elbow, quickly snapping over RAUPEX pipe. "Ear" on the inside of the bend has a screw hole for secure mounting to a support or stud.



PVC Bend Guides					
Article No.	Description	Box Quantity	Unit Weight		Minimum Order
			g	lb	
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box

Create 90° bends without an elbow fitting by inserting RAUPEX pipe into these rigid plastic PVC bend guides. PVC bend guides provide protection at slab penetrations and create professional appearance at manifolds.



PE Protection Sleeves							
Article No.	Description	Hole Size*	Package Quantity	Unit Weight		Minimum Order	
				kg	lb		
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.	100 ft (30.4 m) coil	1.4	3.1	1 coil	
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil	
236127*	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil	
236137*	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil	
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil	
236157*	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil	

* This item is not stocked. Lead times may vary.

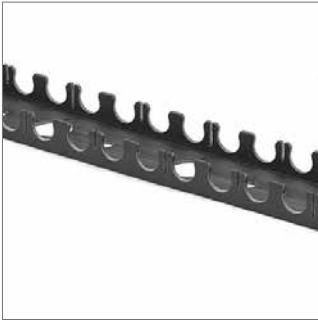
*Recommended hole size to be drilled for proper installation.

Protects RAUPEX pipe at slab and wall penetrations, expansion and construction joints and abrasive surfaces. Use in joist space heating or other hydronic applications to prevent RAUPEX pipe from rubbing directly against wooden members. Most sizes are slit for easier installation.



RAUCROSS™ Heat Shrink Tubing					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
253615	3/8, 1/2, 5/8 and 3/4 in. Heat Shrink - 3.3 ft (1 m)	40 pcs/bag	82	0.18	1 meter
253625	3/4 and 1 in. Heat Shrink - 3.3 ft (1 m)	35 pcs/bag	122	0.27	1 meter
082351-100	1 1/2 and 1 1/4 in. Heat Shrink - 3.3 ft (1 m)	50 m	304	0.67	1 meter

RAUCROSS heat shrink tubing is ideal for sealing around F2080/SDR11 compression-sleeve joints installed in corrosive environments or buried in soil or in a thermal mass. Sized to seal tightly around fittings, RAUCROSS will shrink quickly with heat from a hot air gun. Follow installation instructions.



RAILFIX™ Fixing Rails						
Article No.	Description	Slot Spacing in.	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
259238-001	1/2 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle	480	1.06	1 bundle
266247-002	5/8 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle	510	1.12	1 bundle
266257	3/4 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	2	16 pcs/bundle	620	1.36	1 bundle

For rapid installation of RAUPEX pipe in a thermal mass or in a sand bed. Fabricated of durable polymer material and pre-drilled for fastening with plastic holding pins (Art. 259268) or steel screws (not included).



Universal Fixing Rails 3/8 to 3/4 in.					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266407	Universal Fixing Rail for 3/8, 1/2, 5/8 and 3/4 in. RAUPEX - 3.3 ft (1 m)	10 pcs/bundle	205	0.45	1 bundle

For rapid installation of RAUPEX pipe in four sizes indicated above. Universal fixing rail is molded with alternating small/large RAUPEX tabs that securely hold the pipe in place. The small tabs hold 3/8 and 1/2 in. RAUPEX pipes, while the large tabs hold 5/8 and 3/4 in. RAUPEX pipes. Alternating tabs are spaced at 4 in (10 cm) for installed pipe spacing of 4, 8 or 12 in. (10, 20 or 30 cm) on-center. Pieces are 3.3 ft (1 m) long. Flat bottom and pre-drilled holes allow for mounting directly onto insulation with plastic holding pins (Art. 259268), or onto concrete or wood floors with steel screws (not included). Clips at the end allow pieces to be snapped together to make longer lengths.



Plastic Holding Pins						
Article No.	Description	Package Quantity Bag	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
259268	Plastic Holding Pin	500	5000	1.46	0.003	1 bag

Plastic holding pins are used to secure RAILFIX fixing rail and universal fixing rail (Art. 266407) to rigid insulation.



Galvanized Support Channels							
Article No.	Description	Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-001	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-001	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-001	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-001	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle

When RAUPEX pipe is snapped into the steel support channel, the result is a rigid pipe that can be supported in overhead applications.



Locking Clips						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			g	lb		
261496+	3/8 in. Locking Clips	100/bag	4	0.01	1 bag	
261556	1/2 in. Locking Clips	100/bag	5	0.01	1 bag	
261506+	5/8 in. Locking Clips	100/bag	6	0.01	1 bag	
261516	3/4 in. Locking Clips	50/bag	7	0.02	1 bag	
261566	1 in. Locking Clips	50/bag	12	0.03	1 bag	
261576	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag	
261586	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag	
261596	2 in. Locking Clips	25/bag	30	0.07	1 bag	

+ This item is not stocked. Lead times may vary.
 Locking clips allow for rapid installation of RAUPEX pipe. Larger clips (1 to 2 in.) are for use with RAUPEX pipe or copper manifolds. Locking clips attach to surface with a screw or nail (not included). RAUPEX pipe or manifold snaps in place when pushed into clip and can be removed without damaging clip.



Talon Drive Hooks and Low Profile Talons					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260866	Twin Talon Drive Hooks	100/bag	6	0.01	1 bag
260846	Low Profile 3/8 in. Talons	100/bag	4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag	4	0.01	1 bag
261776	Low Profile 5/8 in. and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag

Talon drive hooks secure 3/8, 1/2, 5/8, 3/4 or 1 in. pipe to wood subfloors and joists or in joist cavities. Low profile talons secure pipe in sizes indicated and are ideal for use with wooden "sleeper" radiant installations. Pre-installed barbed nail prevents backout.



Single Nail Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

Completely encircles pipe. Pre-installed barbed nail prevents backout.



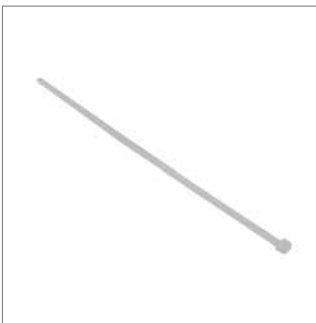
Plastic Pipe Clamps							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
282401*	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag	
282411*	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag	
282421*	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag	

*This item is not stocked. Lead times may vary.
 Secures RAUPEX pipe to both wood and metal framework.



Isolating Suspension Clamps							
Article No.	Description	Package Quantity		Unit Weight		Minimum Order	
		Bag	Box	g	lb		
282431*	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag	
282441*	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag	
282451*	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag	

*This item is not stocked. Lead times may vary.
 Secures RAUPEX pipe to both wood and metal framework.



Nylon Pipe Ties							
Article No.	Description	Package Quantity	Unit Weight		Minimum Order		
			g	lb			
724448	Nylon Pipe Ties	1000/bag	1.43	0.003	1 bag		

Non-abrasive nylon pipe ties safely secure pipe directly to slab reinforcing bars or wire mesh. Ties are 8 in. long and rated at 50 lbs tensile strength.

16. RAUTOOL PEX PIPE INSTALLATION TOOLS



F2080 Standard Tool Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261216	F2080 Standard Tool Kit	1	7.6	16.7	1

The F2080 standard tool kit is specifically designed for assembling 1/2 in and 3/4 in. F2080 compression-sleeve joints. With the addition of 3/8, 5/8, 1 and 1 1/4 in. expander heads (sold separately) and 1 and 1 1/4 in. VERSALOC® jaws (sold separately) this tool kit can assemble all sizes 3/8 to 1 1/4 in.

F2080 standard tool kit comes complete with the following:

- Pipe expander RO (Art. 139592)
- F2080 expander heads RO: 1/2 in (Art. 261866), 3/4 in (Art. 261886)
- COMBOLOC® F2080 expansion/compression tool (Art. 243107)
- VERSALOC F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaw set (Art. 243767)
- RAUCUTTER (Art. 137495)
- Tool box (Art. 261206)
- Grease and brush pack for expander maintenance



F2080 Deluxe Tool Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261256	F2080 Deluxe Tool Kit	1	10.4	22.9	1

The F2080 deluxe tool kit is specifically designed for assembling 1/2, 3/4 and 1 in. F2080 compression-sleeve joints. With the addition of 3/8, 5/8 and 1 1/4 in. heads (sold separately) and 1 1/4 in. VERSALOC jaws (sold separately) this tool kit can assemble all sizes 3/8 to 1 1/4 in.

F2080 deluxe tool kit comes complete with the following:

- Pipe expander RO (Art. 139592)
- F2080 expander heads RO: 1/2 in (Art. 261866), 3/4 in (Art. 261886), 1 in (Art. 261896)
- COMBOLOC F2080 expansion/compression tool (Art. 243107)
- VERSALOC F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaws (set) and 1 in. VERSALOC F2080 jaws (Art. 243767 and 243787)
- RAUCUTTER (Art. 137495)
- Ratchet cutter for 1 1/2 in. RAUPEX (Art. 138062)
- Tool box (Art. 261206)
- Grease and brush pack for expander maintenance



VERSALOC Compression Tools

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243737	VERSALOC F2080 Compression Tool	1	1.45	3.2	1

The VERSALOC compression tool compresses F2080 compression sleeves onto F2080 fittings up to 1 1/4 in. Ideal for all types of installation applications including joist cavities and other tight spaces. The VERSALOC compression tool is used with interchangeable VERSALOC jaws (jaws sold separately).



VERSALOC Compression Jaws					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243767	4-in-1 VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.37	0.8	1 set
243787	1 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.68	1.5	1 set
243797	1 1/4 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.50	1.1	1 set

4-in-1 VERSALOC compression jaws are used with the VERSALOC compression tool to compress F2080 compression-sleeve joints in sizes 3/8, 1/2, 5/8 and 3/4 in. The lower cavity works with 3/8 and 1/2 in. while the upper cavity works with 5/8 and 3/4 in. The 4-in-1 jaws reduce switching of jaws for common fitting sizes.



Combination Screw Drive Tools					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261296	3/8 to 3/4 in. F2080 Combination Screw Drive Tool	1	1.27	2.79	1

Especially for hydronic baseboard installations, this compact tool is ideal for the assembly of the F2080 fittings in tight locations, where a flush compression tool is required. This compression tool is an alternative to the VERSALOC compression tool.

This tool uses an 11/16 in. socket or wrench (not included) to drive the screw-drive threaded mechanism. The combination tool has dual cavities: the upper cavity compresses 5/8 and 3/4 in. fittings while the lower cavity compresses 3/8 and 1/2 in. fittings.



RAUPEX Pipe Expanders					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
139592	RAUPEX Pipe Expander RO	1	0.88	1.9	1

Expands RAUPEX pipe to assemble F2080 fittings. Includes grease and brush pack for expander tool maintenance. Expander heads sold separately.



RAUPEX Pipe Expander Heads					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261856	F2080 Expander Head RO, 3/8 in.	1	0.17	0.37	1
261866	F2080 Expander Head RO, 1/2 in.	1	0.15	0.32	1
261876	F2080 Expander Head RO, 5/8 in.	1	0.16	0.35	1
261886	F2080 Expander Head RO, 3/4 in.	1	0.16	0.35	1
261896	F2080 Expander Head RO, 1 in.	1	0.18	0.39	1
235417	F2080 Expander Head RO, 1 1/4 in.	1	0.20	0.45	1

Expander heads come in six sizes to expand RAUPEX pipe. For use with RAUPEX pipe expander (Art. 139592).



COMBOLOC Combination Expansion/Compression Tools					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243107	COMBOLOC F2080 Expansion/Compression Tool	1	1.09	2.4	1

The COMBOLOC tool combines both expansion and compression capabilities for 3/8 and 1/2 in. F2080 compression-sleeve fittings into one compact tool that fits into tight areas. The COMBOLOC tool will fit flat against a wall or floor. The COMBOLOC tool can expand all sizes of RAUPEX pipe up to 1 in. and compress F2080 fittings sizes 3/8 and 1/2 in. Expander heads sold separately.



RAUPEX Cutters					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 63 mm RAUPEX	1	1.09	2.41	1

It is important to use a proper cutter when cutting RAUPEX pipes. RAUPEX cutters provide clean, square and accurate cutting of RAUPEX pipes in sizes indicated.



H/G1 Mechanical Hydraulic Tool Kits (F2080)					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235407	H/G1 F2080 Tool Kit 1 1/2 to 2 in.	1	33.2	73.1	1

The H/G1 tool kit is specifically designed for assembling 1 1/2 and 2 in. F2080 compression-sleeve joints. This hydraulic tool uses a foot-pump, a 10-ft (3 m) hydraulic hose with quick-release fittings and an actuating head that is used for both expansion and compression steps. Follow all included safety warnings about safe use of this tool.

The H/G1 tool kit comes complete with the following:

- Mechanical hydraulic foot pump HFP (Art. 138132-001)
- Hydraulic cylinder (Art. 137904-001) with hydraulic hose H/G1 (Art. 139382-001)
- Head assembly with 2 short + 2 long locking pins (Art. 137914-001)
- Pipe cutter up to 63 mm (Art. 131558-001)
- Deburring tool (Art. 138990-001)
- Transport case basic (Art. 137724-001)
- Operating instructions (Lit. 856.690)
- F2080 expansion heads G: 1 1/2 in (Art. 235427-001), 2 in (Art. 235437-001)
- F2080 compression jaws G: 1 1/2 in. (Art. 137964-002), 2 in (Art. 235497-001)

Accessory items sold separately:

- Set of 2 short + 2 long locking pins (Art. 137745-001)
- HFP adapter to G2 hose (Art. 235407-910)

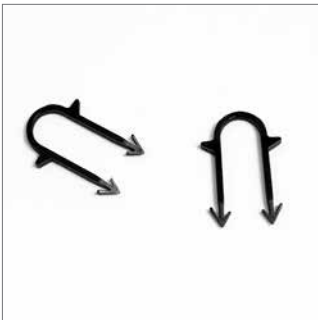


RAUTACKER 3D Stapler Tools					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
298956-001	RAUTACKER 3D Stapler Tool	1	2.78	6.12	1
298966-001	RAUTACKER 3D 1 3/8 in. Foam Staple	400/box	0.0018	0.004	1 box
340603-001	RAUTACKER 3D 2 in. Foam Staple	400/box	0.0020	0.005	1 box
298196-001	RAUTACKER 3D 2 3/8 in. Foam Staple	400/box	0.0022	0.006	1 box

RAUTACKER 3D foam staples are used when installing RAUPEX pipe on rigid foam board insulation in radiant heating and snow and ice melting applications. Extruded polystyrene foam board is recommended. The polyethylene (PE) staples with retention barbs are supplied in magazines of 25 staples. The 1 3/8 in. staple is for use with minimum 1 in (25 mm) thick insulation. The 2 3/8 in. staple is for use with minimum 1 1/2 in (38 mm) thick insulation.



RAUTACKER 3D 1 3/8 in. staples work with 3/8, 1/2 and 5/8 in. pipe. RAUTACKER 3D 2 3/8 in. staples are required for 3/4 in. pipe, but also work with 3/8, 1/2 and 5/8 in. pipe. Typically, one staple is required every 3 ft (90 cm) on straight runs of pipe with an additional staple in the middle of bends. RAUTACKER 3D staples are installed from a standing position using the RAUTACKER 3D stapler tool. Follow all published installation instructions.



RAUTACK Foam Staples					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
266187	RAUTACK 1 1/2 in. Foam Staple	300/box	0.002	0.005	1 box
266197	RAUTACK 2 1/4 in. Foam Staple	300/box	0.002	0.005	1 box

For use with RAUPEX pipe to install on rigid foam board insulation (extruded polystyrene is recommended). RAUTACK foam staples work with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipes installed in radiant and SIM applications. The 1 1/2 in. staple is for use with minimum 1 in (25 mm) thick insulation. The 2 1/4 in. staple is for use with minimum 1 1/2 in (38 mm) thick insulation. Staples are strong enough so that typically only one staple is required every 3 ft (90 cm) on straight runs of pipe, with one staple in the middle of bends. The RAUTACK foam staple is installed from a standing position using RAUTACKER stapler tool. Follow all published instructions.

Note: For use with previous version of RAUTACKER stapler tool (Art. 266177). Not compatible with RAUTACKER 3D stapler tool (Art. 298956-001).



Screw Clip Ratchet Tools					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260886	Screw Clip Ratchet Tool	1	0.7	1.6	1
260836	Insulation Screw Clips	1000/bag		0.02	1 bag

From a standing position, the screw clip ratchet tool quickly attaches insulation screw clips. (Art. 260836). Insulation screw clips secure RAUPEX pipe to rigid insulation such as extruded polystyrene or polyurethane. Not recommended for use with expanded polystyrene foam insulation. Can be used with 1/2, 5/8 and 3/4 in. RAUPEX pipe. Install with screw clip ratchet tool (Art. 260886).





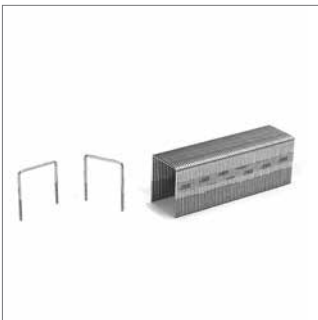
Hand Power (HP) Stapler Tools					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266287	Hand Power (HP) Stapler Tool	1	2.5	5.5	1
266297	Hand Power (HP) 1 1/2 in. Plastic Staple	500/box	0.004	0.009	1 box

For use with RAUPEX pipe to install on wooden subfloor systems. The lightweight HP stapler tool installs special plastic staples with integral steel nail without the use of air power or electricity. Strong HP plastic staples work with 3/8, 1/2 and 5/8 in. RAUPEX pipe installed in radiant applications. HP plastic staples are installed from a standing position by pushing quickly on the handle of the HP stapler tool. T-handle reduces effort and increases stability.



Pneumatic Staplers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261016	Pneumatic Stapler	1	5.0	11.0	1
261016-STP	1 1/4 in. Staples for Use With Pneumatic Stapler	10,000/box	3.2	7.0	1 box

This air tool quickly and securely fastens RAUPEX pipe to a wooden subfloor. For use with 3/8 and 1/2 in. RAUPEX pipe, tool comes complete with pogo stick extension arm so it can be used from a standing position. Special design prevents firing until tool head is securely around pipe. Use only the Senco staples (Art. 261016-STP, P15BAB) listed above or equal; 1 in. crown, 1 1/4 in. leg, 16 gauge chisel point. Follow all included safety warnings for safe use.





Wire Mesh Mounting Tools

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298936-001	Wire Mesh Clip Mounting Tool	1	2.0	4.4	1
298946-001	Mounting Clip for 3 mm Wire Mesh	400/box	0.008	0.017	1 box

Use tool to install RAUPEX pipe on 3 mm wire mesh. Mounting clips work with 1/2 in. RAUPEX pipe installed in radiant and snow and ice melting applications.



Staple Clip Guns

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266117	Staple Clip Gun	1	0.58	1.30	1
266127	3/8 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266137	1/2 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266147*	5/8 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266157	3/4 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag

* This item is not stocked. Lead times may vary.

For fast installation of RAUPEX pipe onto a wood surface. Hand-powered staple clip gun shoots plastic clips with steel staple inserts. Clips hold the pipe away from the surface. Pump gun three times per staple. All sizes of clips are installed with the same gun. Follow all included safety warnings for safe use.



Pressure Testers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
257334	Air Pressure Tester	1	0.3	0.8	1

Air pressure tester threads into the 1 in. isolation valve on a PRO-BALANCE manifold and connects to an air hose (Schradner valve included). Tester includes a pressure gauge that reads from 0 to 200 psi. Follow all published pressure testing instructions for RAUPEX piping systems.



Infrared Thermometers					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
261696-001	IR Thermometer	1	240	0.53	1

Non-contact infrared thermometer can be used to measure temperatures of heated or unheated floors, indoor building surfaces, heating system components (including pipes and manifolds). Includes 2 AAA batteries and provides up to 130 hours of continuous use.



RAUPEX Universal Uncoilers					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
282191	RAUPEX Universal Uncoiler	1	40.8	90.0	1

Uncoiler dispenses RAUPEX pipe without twists or kinks. Pneumatic tires allow easy transportation over rough terrain. Pipe can be drawn off either vertically (as shown) or horizontally. Capable of holding up to 1,000 ft of 3/4 in. PEX. The unit is less than 30 in. wide to get through doorways. Removable spool allows for convenient transportation to job sites.



RAUPEX Horizontal Uncoilers					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler dispenses RAUPEX pipe without twists or kinks. Pipe is drawn off horizontally. Uncoiler is capable of holding RAUPEX coils up to 1 in. and folds for convenient transportation to job sites.

17. ELECTRONIC CONTROLS



Radiant Floor Heating (RFH) Controls					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236317-001*	Floating Action Mixing Control (360)	1	1.4	3.1	1
236327-001*	Variable Speed Mixing Control (361)	1	1.4	3.0	1

* Item not stocked. Lead times may vary

The floating action mixing control is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The floating action mixing control operates a 24 VAC floating action 3 or 4-way mixing valve actuator (Art. 260526, Art. 260566) to regulate the supply water temperature while still protecting a non-condensing boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation and secondary pump operation.

Floating action mixing control specifications:

Power supply: 120 V +/- 10%, 50/60 Hz, 1300 VA
 Relays: 240 VAC, 10A, 1/3 hp
 Demands: 20 to 260 VAC, 2 VA
 Sensors included: Outdoor Sensor (Art. 23 6207) and two Universal Sensors (Art. 23 6217)
 Enclosure: Blue PVC plastic
 Dimensions: 6 5/8 H x 7 9/16 W x 2 13/16 in. D (17.0 x 19.3 x 7.2 cm)

The variable speed mixing control is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The variable speed mixing control operates a variable speed injection pump to regulate the supply water temperature while still protecting the boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation, and secondary pump operation.

Variable speed mixing control specifications:

Power supply: 120 V +/- 10%, 50/60 Hz, 1300 VA
 Relays: 240 VAC, 10A, 1/3 hp
 Demands: 20 to 260 VAC, 2 VA
 Sensors included: Outdoor Sensor (Art. 23 6207) and two Universal Sensors (Art. 23 6217)
 Enclosure: Blue PVC plastic
 Dimensions: 6 5/8 H x 7 9/16 W x 2 13/16 in. D (17.0 x 19.3 x 7.2 cm)



Single-zone SIM Controls Low Voltage					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
315839-001	Single-zone SIM Control Low Voltage (654)	1	590	1.3	1
315836-001	Aerial Snow Sensor (095)	1	180	0.4	1

The Single-zone SIM control (654) operates hydronic equipment to melt snow or ice from any surface including driveways, walkways, patios, business entrances, parking ramps, loading docks, hospital entrances, helipads or car wash bays. The surface temperature for snow melting is controlled automatically to reduce operating energy costs.

The control has an automatic start and stop function when used with the snow/ice sensor (090) (Art. 236357-001). Automatic start with a timed stop is available when used with the aerial snow sensor (095) (Art. 315836-001). The control can operate a dedicated hydronic boiler or a mixing device. Isolation relays are required to operate line voltage pumps.

The aerial snow sensor (095) is an aerial mounted sensor that detects falling snow and allows the Single-zone SIM control (654) (Art. 315839-001) to automatically start the snow melting equipment. System stop is provided by the control's timer or by manual disable. The sensor mounts to a nominal 1/2 in. (16 mm) metal or PVC conduit or pole. The sensor is well suited to adding automatic start to an existing snow melt system. This sensor can only be used with the Single-zone SIM control (654) (Art. 315839-001)





Snow and Ice Melt (SIM) Controls					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
236337-001+	Single-zone Variable Speed Injection SIM Control (667)	1	1.4	3.1	1
298736-001+	Two-zone Two Stage Boiler SIM Control (664)	1	1.6	3.5	1
298746-001+	Single-zone SIM Controller w/ Pulse Width Modulation (665)	1	1.4	3.1	1

* Item not stocked. Lead times may vary.

The automatic SIM mixing control is a microprocessor-based control designed to maximize the safety and efficiency provided by a hydronic snow and ice melt (SIM) system.

The automatic SIM mixing control is capable of providing snow and ice melting operation based on a remote start/stop module or an external melt demand signal. When the snow-ice sensor (Art. 236375-001) is used, the control can be run automatically, heating the SIM area when moisture is detected during freezing conditions. In typical use, melting operation continues until the sensor no longer detects moisture on its surface.

When the control is not in melting mode, the system can either be automatically shut down or can operate in an idle mode, maintaining the SIM area at a set idle temperature for faster response and improved safety. This saves energy when compared with SIM systems that are always kept at melting temperature.

The automatic SIM mixing control provides slab protection by limiting the maximum fluid temperature that is sent to the SIM area and by limiting the delta T between supply and return fluid temperatures. Both settings are adjustable by the installer. The control also provides boiler protection to help prevent condensation of flue gases (for non-condensing boilers), by controlling the minimum return fluid temperature.

Automatic SIM control specifications:

LCD display:	Can be set in °F or °C
Power supply:	115 V +/- 10%, 50/60 Hz, 600 VA
Relays:	230 VAC, 5 A, 1/3 hp, pilot duty 24 VA
Variable pump:	230 VAC, 2.4 A, 1/6 hp, fuse T2.5 A 250 V
Demands:	20 to 260 VAC, 2 VA
Enclosure:	Blue PVC plastic
Dimensions:	6 5/8 H x 7 9/16 W x 2 13/16 in. D (17.0 cm x 19.3 cm x 7.2 cm)
For indoor use only:	32 to 104°F (0 to 40°C), < 90% RH non-condensing
Sensors included:	Outdoor sensor (Art. 236207); 3 of universal sensor
Sensors required:	Snow/ice sensor (Art. 236357-001) and socket kit (Art. 236367-001) or slab sensor (Art. 236227 or 236237)



Electronic Accessories					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
236207-001+	070 Outdoor Sensor	1	0.16	0.35	1
236227-001+	072 Slab Sensor (20 ft / 6 m cable)	1	0.17	0.37	1
236237+	073 Slab Sensor (40 ft / 12 m cable)	1	0.39	0.86	1
236297-001	R003P 24VAC Relay	1	0.13	0.29	1
236357-001+	090 Snow/Ice Sensor (65 ft / 19.8 m Jacketed Cable)	1	2.00	4.40	1
236367-001+	091 Snow/Ice Sensor Socket	1	0.82	1.80	1

* This item is not stocked. Lead times may vary.

Electronic accessories can be used with specific mixing controls and/or digital thermostats as replacements and/or additional connections. Refer to mixing control and/or thermostat for compatibility.

18. MIXING VALVES



Variable Speed Injection Mixing Modules					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
281731-001*	Variable Speed Mixing Module	1	8.4	18.5	1

* This item is not stocked. Lead times may vary.
 Used to supply design temperature water to the PRO-BALANCE or HLV manifolds. Capability up to 120,000 Btu/hr. Single compact unit Includes an electronic variable speed injection mixing control, variable speed pump and system circulator with air elimination valve. Extremely versatile, the variable speed mixing module is equipped to be set up as an outdoor reset control, a set point control or a delta T limiting control.

- Features:
- All-in-one injection piping, pumping, air elimination and control package
 - Only 4 pipe connections required
 - Plug-in low voltage connections
 - Solid state microprocessor design
 - Reduce installation complexity and time
 - Substantial space savings
 - Line cord included
 - Bronze casing for open or closed systems
 - Replaceable cartridge design
 - Maintenance free, wet-rotor circulators
 - 3 operation modes: outdoor reset, set point or delta T with limit
 - Internal check valve
 - Automatic pump exercise
 - Adjustable reset ratio
 - Warm weather shutdown
 - Boiler control or enable setting
 - Boiler protection sensor
 - C° or F° Display
 - Outdoor and 2 strap-on sensors included
 - 120 VAC power supply



Modulating Mixing Valves						
Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
298016-001+	3/4 in. 3-way Modulating Mixing Valve	4.5	1	0.60	1.32	1
298776-001	1 in. 3-way Modulating Mixing Valve	4.5	1	0.68	1.50	1
298026-001+	1 1/4 in. 4-way Modulating Mixing Valve	17.5	1	1.43	3.15	1

+ This item is not stocked. Lead times may vary.
 REHAU modulating mixing valves are a powerful cost effective alternative for zone mixing with such features as outdoor reset, boiler return temperature protection and warm weather shut down (WWSD).

- Maximum operating pressure: 300 psi (2,100 KPa)
- Fluid temperature range: 20 to 240°F (-7 to 115°C) @ 135°F (57°C) ambient
- Adjustable setpoint dial 80 to 180°F (27 to 82°C)
- Selectable 15°F (-9°C) setback
- Optional boiler protection set at 135°F (57°C)



Thermostatic 3-Way Mixing Valves									
Article No.	Size	Cv	Connection	Temperature	Range	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
234037	3/4 in.	1.9	NPT	85 to 160°F	(19 to 71°C)	1	0.54	1.2	1
234047+	3/4 in.	1.8	Compression	95 to 140°F	(35 to 60°C)	1	0.60	1.3	1
260068-001	1 in.	4.1	NPT	95 to 140°F	(35 to 60°C)	1	0.91	2.0	1

+ This item is not stocked. Lead times may vary.
 Thermostatic mixing valves control supply water temperature for small-sized radiant systems. Sensing element is a wax/copper compound mounted within the valve body. Provides rapid stabilization of supply water temperature. Temperature is adjusted with the knob located at the top of the valve body. For feedback on temperature adjustments place a thermometer (Art. 260957, 260967) downstream of the valve. Compression-type fitting for copper distribution piping or NPT type for threaded pipe. Size valve based on Cv rating (GPM @ 1 psi pressure loss, 2.3 feet headloss).

- Specifications:
- Maximum input temperature: 195°F (90°C)
 - Regulated output temperature range: as listed
 - Maximum working pressure: 145 psi (10 bar; 1 MPa)
 - Regulation accuracy: +/- 3.6°F (2°C) at a minimum flow of 0.5 GPM (2 l/m)
 - Material: brass body



Control Motor for Mixing Valves up to 2 in.						
Article No.	Description	Motor Speed	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260526-001	600 Series Motor With End Switch for Valves up to 2 in.	96 sec	1	0.5	1.2	1

Use with mixing valves 2 in. and smaller for motor operated control. The motor is controlled by REHAU outdoor reset/mixing controls. Operates on 24 Volt AC input provided through these controls. No additional installation kit is required. Built-in end switch is included. Manual override of mixing valve is possible by pulling out and turning the knob. Be sure to adjust the motor speed setting on electronic mixing controls to 96 seconds.

- Specifications:
- Ambient temperature range: 22 to 130°F (-5 to 55°C)
 - Torque: 53.10 in. lbs
 - Protection type: NEMA 1 (IP 40)
 - Supply voltage: 24 VAC, 50 - 60 Hz
 - Power consumption: 2 VA (watts) when operating

Brass Mixing Valves

Compact 3- or 4-way brass mixing valves are ideal for reliable control of radiant or SIM supply water temperature. Suitable for motor controlled radiant or SIM applications with 600 series control motor (Art. 260526-001). When choosing a 3- or 4-way mixing valve, size according to flow (Cv) and not pipe size, for more accurate mixing. This often means using a valve that is one size smaller than supply/return pipes.



3-Way Brass Mixing Valves						
Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
260106-001	3/4 in. FPT 3-way Brass Mixing Valve	7.3	1	0.5	1.0	1
260116-001	1 in. FPT 3-way Brass Mixing Valve	11.7	1	0.7	1.5	1
260136-001	1 1/4 in. FPT 3-way Brass Mixing Valve	18.7	1	1.0	2.3	1
260146-001*	1 1/2 in. FPT 3-way Brass Mixing Valve	29.3	1	1.68	3.7	1

* This item is not stocked. Lead times may vary.

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum mixing differential pressure: 14.5 psi (1 bar)
- Maximum diverting differential pressure: 20 psi (2 bar)
- Maximum torque: 45 lbf-in (5 Nm)



4-Way Brass Mixing Valves						
Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
260236-001	3/4 in. FPT 4-way Brass Mixing Valve	7.3	1	0.5	1.1	1
260246-001	1 in. FPT 4-way Brass Mixing Valve	11.7	1	0.8	1.7	1
260266-001	1 1/4 in. FPT 4-way Brass Mixing Valve	18.7	1	1.2	2.6	1

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum differential pressure: 14.5 psi (1 bar)
- Maximum torque: 45 lbf-in (5 Nm)

19. HYDRONIC ACCESSORIES



Primary/Secondary Closely-spaced Tee With Isolation Ball Valves					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281781-001*	1 1/4 x 3/4 in. Closely-spaced Tee With Isolation Ball Valve	1	1.58	3.49	1
281791-001*	1 1/4 x 1 in. Closely-spaced Tee With Isolation Ball Valve	1	1.74	3.83	1

* This item is not stocked. Lead times may vary.
 These valves are used to connect the secondary loop (mixed temperature side) to the primary (boiler) loop. The integral closely-spaced tee results in eliminating pressure differences in the region of the connections of the primary and secondary piping. This results in the hydraulic isolation (separation) of the primary and secondary systems and is a professional strategy for installation of hydronic systems. The isolation ball valve can be closed for system purging from the primary to the secondary side.



Pressure Differential Bypass Valves					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
260517	1/2 in. C Female (Sweat) Pressure Bypass Valve	1	0.68	1.5	1
260527	3/4 in. C Female (Sweat) Pressure Bypass Valve	1	0.91	2.0	1
267987*	1 in. MPT Pressure Bypass Valve	1	1.40	3.0	1

* This item is not stocked. Lead times may vary.
 Pressure differential bypass valves divert excess flow when one circulator pump is used with multiple zones, reducing wear on the pump, avoiding noise problems in the control valves and allowing more stable temperature control. Valves are pressure-adjustable. Connections (union ends) are to copper pipe for 1/2 and 3/4 in. valves. The 1 in. valve is supplied with 1 in. MPT union ends.



Thermometers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
260957	Thermometer with 1/2 in. MPT Well Fitting	1	0.12	0.26	1
260967	Thermometer with 3/4 in. Solder Well Fitting	1	0.13	0.29	1

Thermometers are recommended in radiant/SIM supply and return pipes to monitor fluid temperatures. REHAU immersion well thermometers have a 2 1/2 in. dial, reading from 50 to 250°F (10 to 120°C).



Combination Temperature/Pressure Gauges					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266417	Combination Temperature/Pressure Gauge	1	0.14	0.30	1

The combination temperature/pressure gauge has a 2 1/2 in. dial reading from 0 to 100 psi and 30 to 240°F (-1 to 115°C). 1/4 in. NPT back-mounted connection for installation in a pipe tee/fitting. The immersion gauge contacts the water directly to give the highest degree of temperature and pressure accuracy. For use in radiant and SIM applications.



Heat Exchangers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266477	Heat Exchanger, 3/4 in. MPT Connections (100,000 Btu load)	1	2.0	4.4	1
266487-001	Heat Exchanger, 3/4 in. MPT Connections (150,000 Btu load)	1	2.4	5.3	1

Compact stainless steel heat exchanger for use in radiant and SIM projects. Applications include: radiant systems using a domestic hot water tank as the heat source to separate heating water from drinking water (check local codes), SIM systems using concentration of glycol (antifreeze) different than the rest of the hydronic system. CSA and UL approved. Can provide more than 100,000 Btu/hr, depending on temperatures and flow rates. Has 1/4 - 20 studs for mounting.

INSULPEX® PRE-INSULATED PEXa PIPING SYSTEM

Product Catalog, January 2017

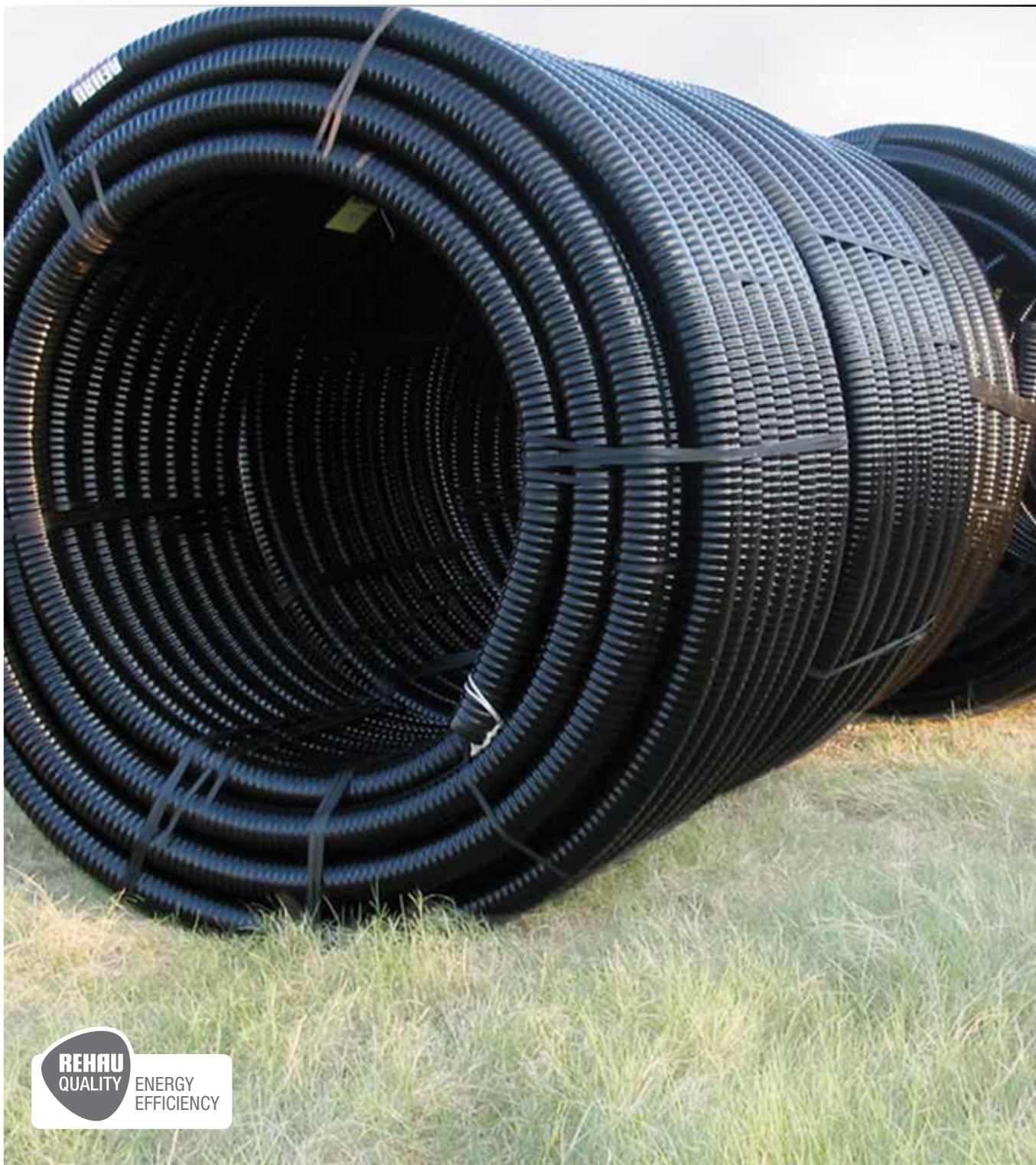


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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. INSULPEX PIPE

INSULPEX pipe consists of O₂ Barrier PEXa pipe encased in closed-cell polyurethane (PUR) foam insulation, with a protective low-density polyethylene (PE) outer casing. O₂ Barrier pipe is made of high-quality crosslinked polyethylene, manufactured using the high-pressure peroxide method (PEXa). O₂ Barrier pipe has a co-extruded oxygen diffusion layer that complies with the requirements of DIN 4726. O₂ Barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

Inch-sized carrier pipes (1 to 2 in.) meet the requirements of ASTM F876, F877 and PPI TR-3. The size listed in the description is the nominal diameter according to ASTM F876. Inch-sized pipes are copper tube size SDR9. Metric pipes (63 mm to 140 mm) meet the requirements of DIN 16892 and 16893. The size listed in the description is the nominal diameter in millimeters, according to DIN 16893. Metric pipes are SDR11. Approximate dimension listed is the closest equivalent to inch-size pipe. Refer to *INSULPEX Technical Manual* (Art. 855.630) for pipe dimension details, capacities and temperature/pressure ratings.



One-pipe System – Coils						
Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
221227	1 in. INSULPEX O ₂ Barrier Pipe	1220	371	1.2	0.8	35 ft
221237	1 1/4 in. INSULPEX O ₂ Barrier Pipe	1220	371	1.3	0.9	35 ft
221247	1 1/2 in. INSULPEX O ₂ Barrier Pipe	850	259	1.9	1.3	35 ft
221257	2 in. INSULPEX O ₂ Barrier Pipe	850	259	2.2	1.5	35 ft
221317	63 mm INSULPEX O ₂ Barrier Pipe	685	209	2.6	1.8	35 ft
221327	75 mm INSULPEX O ₂ Barrier Pipe	475	145	4.1	2.3	35 ft
221337	90 mm INSULPEX O ₂ Barrier Pipe	290	88	4.6	3.1	35 ft
221347	110 mm INSULPEX O ₂ Barrier Pipe	290	88	6.4	3.8	35 ft
222677-001	125 mm INSULPEX O ₂ Barrier Pipe	130	39	7.2	4.2	35 ft
315265-001+	140 mm INSULPEX O ₂ Barrier Pipe	118	36	8.8	5.9	35 ft

+ This item is not stocked. Lead times may vary.
One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

One-pipe System – Straight Lengths					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
221317-005	63 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	13.0	28.7	1
221327-005	75 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	17.0	37.4	1
221337-005	90 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	22.8	50.3	1
221347-005	110 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	28.5	62.7	1
222677-005	125 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	36.1	79.6	1
315265-005+	140 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	44.0	96.8	1

+ This item is not stocked. Lead times may vary.
One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.



Two-pipe System – Coils						
Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
221377-002	1 + 1 in. INSULPEX O ₂ Barrier Pipe	850	259	2.2	1.5	35 ft
221387-002	1 1/4 + 1 1/4 in. INSULPEX O ₂ Barrier Pipe	850	259	2.5	1.7	35 ft
221397	1 1/2 + 1 1/2 in. INSULPEX O ₂ Barrier Pipe	290	88	3.8	2.6	35 ft
221407	2 + 2 in. INSULPEX O ₂ Barrier Pipe	130	39	5.0	3.4	35 ft
221427	63 + 63 mm INSULPEX O ₂ Barrier Pipe	130	39	5.3	3.6	35 ft

Two carrier pipes in the size listed, within PUR insulation and a corrugated PE outer casing.

Table of Pipe Diameters					
Article No.	Description	Casing		RAUPEX	
		Outer Diameter in	mm	Inside Diameter in	mm
221227	1 in. INSULPEX O ₂ Barrier Pipe	3.6	91	0.88	22.2
221237	1 1/4 in. INSULPEX O ₂ Barrier Pipe	3.6	91	1.07	27.2
221247	1 1/2 in. INSULPEX O ₂ Barrier Pipe	4.4	111	1.26	32.1
221257	2 in. INSULPEX O ₂ Barrier Pipe	4.4	111	1.65	42.0
221317	63 mm INSULPEX O ₂ Barrier Pipe	5.0	126	2.04	51.7
221327	75 mm INSULPEX O ₂ Barrier Pipe	5.6	142	2.43	61.8
221337	90 mm INSULPEX O ₂ Barrier Pipe	6.4	162	2.92	74.1
221347	110 mm INSULPEX O ₂ Barrier Pipe	6.4	162	3.56	90.5
222677	125 mm INSULPEX O ₂ Barrier Pipe	7.2	182	4.05	102.8
315265	140 mm INSULPEX O ₂ Barrier Pipe	8.0	202	4.51	114.6
221377	1 + 1 in. INSULPEX O ₂ Barrier Pipe	4.4	111	0.88	22.2
221387	1 1/4 + 1 1/4 in. INSULPEX O ₂ Barrier Pipe	4.4	111	1.07	27.2
221397	1 1/2 + 1 1/2 in. INSULPEX O ₂ Barrier Pipe	6.4	162	1.26	32.1
221407	2 + 2 in. INSULPEX O ₂ Barrier Pipe	7.2	182	1.65	42.0
221427	63 + 63 mm INSULPEX O ₂ Barrier Pipe	7.2	182	2.04	51.7

Casing OD is the average outside diameter between the higher and the lower rib profiles.

2. INSULPEX END CAPS

Heat shrink end caps provide a watertight seal around the end of INSULPEX, sealing onto RAUPEX pipe and the PE casing to protect against water infiltration in buried applications. Heat shrink end caps include sandpaper for "roughing" surfaces of pipes. Follow installation instructions in the *INSULPEX Installation Guide* (855.631).



Heat Shrink End Caps, One-pipe System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240263	1 in. INSULPEX Heat Shrink End Cap	1	0.10	0.22	1
240273	1 1/4 in. INSULPEX Heat Shrink End Cap	1	0.11	0.24	1
240273	1 1/2 in. INSULPEX Heat Shrink End Cap	1	0.11	0.24	1
240323	2 in. INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
240323	63 mm INSULPEX Heat Shrink End Cap	1	0.15	0.33	1
240323	75 mm INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
240283	90 mm INSULPEX Heat Shrink End Cap	1	0.14	0.31	1
240293	110 mm INSULPEX Heat Shrink End Cap	1	0.20	0.43	1
240293	125 mm INSULPEX Heat Shrink End Cap	1	0.20	0.43	1
209963-001	140 mm INSULPEX Heat Shrink End Cap	1	0.25	0.54	1



Heat Shrink End Caps, Two-pipe System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240333	1 + 1 in. INSULPEX Heat Shrink End Cap	1	0.11	0.24	1
240333	1 1/4 + 1 1/4 in. INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
240343	1 1/2 + 1 1/2 in. INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
209968-001	2 + 2 in./63 + 63 mm INSULPEX Heat Shrink End Cap	1	0.21	0.45	1



Slip-on End Caps, One-pipe System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
246989	1 in. INSULPEX Slip-on End Cap	1	0.02	0.05	1
246989	1 1/4 in. INSULPEX Slip-on End Cap	1	0.11	0.24	1
242604	1 1/2 in. INSULPEX Slip-on End Cap	1	0.04	0.08	1
242604	2 in. INSULPEX Slip-on End Cap	1	0.04	0.08	1
242624	63 mm INSULPEX Slip-on End Cap	1	0.12	0.26	1
242644	75 mm INSULPEX Slip-on End Cap	1	0.04	0.09	1
242664	90 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242674	110 mm INSULPEX Slip-on End Cap	1	0.05	0.10	1
288374-001	125 mm INSULPEX Slip-on End Cap	1	0.50	1.10	1



Slip-on End Caps, Two-pipe System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
242724	1 + 1 in. INSULPEX Slip-on End Cap	1	0.04	0.08	1
242724	1 1/4 + 1 1/4 in. INSULPEX Slip-on End Cap	1	0.04	0.08	1
242784	1 1/2 + 1 1/2 in. INSULPEX Slip-on End Cap	1	0.05	0.12	1
239091	2 + 2 in./ 63 + 63 mm INSULPEX Slip-on End Cap	1	0.07	0.16	1

Slip-on end caps improve cosmetic appearance at ends of INSULPEX pipes inside a building or chamber. Slip-on end caps are not watertight, and are not certified for underground burial.



Wall Sealing Rings					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240363	91 mm ID Wall Sealing Ring (5.25 in. OD)	1	0.45	1.00	1
240373-001	111 mm ID Wall Sealing Ring (6.00 in. OD)	1	0.30	0.70	1
240383-001	126 mm ID Wall Sealing Ring (6.60 in. OD)	1	0.50	1.10	1
240393-001	142 mm ID Wall Sealing Ring (7.20 in. OD)	1	0.60	1.32	1
240403-001	162 mm ID Wall Sealing Ring (8.00 in. OD)	1	0.69	1.54	1
239101-001	182 mm ID Wall Sealing Ring (8.60 in. OD)	1	0.50	1.10	1
353278-001	202 mm ID Wall Sealing Ring (9.20 in. OD)	1	0.90	1.98	1

Neoprene wall sealing rings fit tightly over the INSULPEX casing, and are meant to be located at wall penetrations. Barbed design prevents pull out. Use the sizing chart in the *INSULPEX Technical Manual* (855.630) or from the pipe diameters chart located on page 3.4, to determine the correct wall sealing ring.

3. INSULPEX INSULATION KITS

Universal tee insulation kits are molded from polyethylene, with staggered ends that can be cut for use with various pipe diameters. Insulation is NOT included with these kits. Follow directions included with kit. Small universal insulation kit is for pipes with casing OD up to 126 mm. Large universal tee insulation kit is for pipes with casing OD up to 182 mm.



Universal Insulation Kits – Generation I					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243828	Small Universal Straight Coupling Insulation Kit, for up to 142 mm OD INSULPEX pipe	1	3.5	7.7	1
243838	Large Universal Straight Coupling Insulation Kit, for up to 182 mm OD INSULPEX pipe	1	1.7	3.8	1
298822-001	Large Universal Straight Coupling Insulation Kit, for 250 mm OD INSULPEX pipe	1	4.0	8.8	1
238473	Small Universal Tee Insulation Kit, for up to 142 mm OD INSULPEX pipe	1	3.3	7.3	1
243848	Large Universal Tee Insulation Kit, for up to 182 mm OD INSULPEX pipe	1	5.4	11.9	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.



Universal Straight Coupling Insulation Kits– Generation II					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
351067-001	Small Universal Straight Coupling Insulation Kit, for up to 126 mm OD INSULPEX pipe	1	2.1	4.6	1
352038-001	Large Universal Straight Coupling Insulation Kit, for up to 182 mm OD INSULPEX pipe	1	5.2	11.5	1

Order sealing rings separately per the outer diameter of the INSULPEX pipe.



Universal Elbow Insulation Kits – Generation II					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
351068-001	Small Universal Elbow Coupling Insulation Kit, for up to 126 mm OD INSULPEX pipe	1	2.1	4.6	1
352039-001	Large Universal Elbow Coupling Insulation Kit, for up to 182 mm OD INSULPEX pipe	1	4.4	9.7	1

Order sealing rings separately per the outer diameter of the INSULPEX pipe.



Universal Tee Insulation Kits– Generation II					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
297932-001	Small Universal Tee Insulation Kit, for up to 126 mm OD INSULPEX pipe	1	1.90	4.2	1
176282-050	Small Tee Shell Kit Plug (111 mm SR)	1	0.10	0.2	1
351054-001	Large Universal Tee Insulation Kit, for up to 182 mm OD INSULPEX pipe	1	3.60	7.9	1
176302-050	Large Tee Shell Kit Plug (162 mm SR)	1	0.27	0.6	1

Order sealing rings separately per the outer diameter of the INSULPEX pipe.



INSULPEX Sealing Rings – Generation II					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
297924-001	Small Insulation Kit Sealing Ring 91 mm	1	0.30	0.7	1
297927-001	Small Insulation Kit Sealing Ring 111 mm	1	0.20	0.4	1
297930-001	Small Insulation Kit Sealing Ring 126 mm	1	0.11	0.2	1
351056-001	Large Insulation Kit Sealing Ring 91 mm	1	1.08	2.38	1
351057-001	Large Insulation Kit Sealing Ring 111 mm	1	1.03	2.26	1
351058-001	Large Insulation Kit Sealing Ring 126 mm	1	0.95	2.09	1
351059-001	Large Insulation Kit Sealing Ring 142 mm	1	0.90	1.98	1
351061-001	Large Insulation Kit Sealing Ring 162 mm	1	0.85	1.88	1
351062-001	Large Insulation Kit Sealing Ring 182 mm	1	0.68	1.49	1

Order sealing rings separately per the outer diameter of the INSULPEX pipe.

4. F2080/SDR11 COMPRESSION-SLEEVE FITTINGS

F2080 and SDR11 compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU *Technical Guidelines*. F2080 and SDR11 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260877-101	1 in. F2080 Compression Sleeve	40	240	0.07	0.16	1 box
235507-101	1 1/4 in. F2080 Compression Sleeve	25	150	0.10	0.26	1 box
235707-101	1 1/2 in. F2080 Compression Sleeve	20	120	0.13	0.29	1 box
235907-101	2 in. F2080 Compression Sleeve	10	60	0.25	0.54	1 box
139572-001	25 mm SDR11 Compression Sleeve	50	50	0.04	0.09	1 box
139492-001	32 mm SDR11 Compression Sleeve	50	50	0.08	0.18	1 box
138683-001	40 mm SDR11 Compression Sleeve	25	25	0.13	0.29	1 box
138693-001	50 mm SDR11 Compression Sleeve	25	25	0.26	0.57	1 box
138703-001	63 mm SDR11 Compression Sleeve	1	1	0.39	0.85	1 box
267671-002	75 mm SDR11 Compression Sleeve	1	1	0.50	1.10	1 box
267681-002	90 mm SDR11 Compression Sleeve	1	1	0.52	1.15	1 box
267691-002	110 mm SDR11 Compression Sleeve	1	1	1.09	2.40	1 box
235229-002	125 mm SDR11 Compression Sleeve	1	1	1.60	3.53	1 box
206256-001	140 mm SDR11 Compression Sleeve	1	1	1.86	4.10	1 box

Tapered end installs toward fitting. Sizes 1 in. to 63 mm are brass. Sizes 75 to 160 mm are bronze. Not certified for potable water.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260427-101	1 x 1 in. F2080 Coupling	20	120	0.14	0.30	1 box
235527-101	1 1/4 x 1 1/4 in. F2080 Coupling	5	30	0.23	0.50	1 box
235727-101	1 1/2 x 1 1/2 in. F2080 Coupling	5	30	0.35	0.76	1 box
235927-101	2 x 2 in. F2080 Coupling	3	18	0.60	1.32	1 box
139292-001	25 x 25 mm SDR11 Coupling	10	50	0.09	0.20	1 box
139302-001	32 x 32 mm SDR11 Coupling	3	30	0.18	0.40	1 box
169015-001	40 x 40 mm SDR11 Coupling	5	25	0.38	0.84	1 box
138833	50 x 50 mm SDR11 Coupling	1	1	0.57	1.26	1 box
138843	63 x 63 mm SDR11 Coupling	1	1	1.00	2.21	1 box
267611	75 x 75 mm SDR11 Coupling	1	1	1.68	3.70	1 box
267621	90 x 90 mm SDR11 Coupling	1	1	2.46	5.42	1 box
267631	110 x 110 mm SDR11 Coupling	1	1	3.12	6.88	1 box
235219-001	125 x 125 mm SDR11 Coupling	1	1	4.50	9.92	1 box
206257-001	140 x 140 mm SDR11 Coupling	1	1	4.99	11.0	1 box

Couplings connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes 1 in. to 63 mm are brass. Sizes 75 to 160 mm are bronze. Order sleeves separately. Not certified for potable water.



Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
235517-101	1 1/4 x 1 in. F2080 Coupling	10	60	0.20	0.43	1 box
235717-101	1 1/2 x 1 1/4 in. F2080 Coupling	5	30	0.30	0.66	1 box
235737-101	1 1/2 x 1 in. F2080 Coupling	5	30	0.27	0.61	1 box
235917-101	2 x 1 1/2 in. F2080 Coupling	3	18	0.50	1.11	1 box
235937-101	2 x 1 1/4 in. F2080 Coupling	3	18	0.60	1.31	1 box
235947-101	2 x 1 in. F2080 Coupling	3	18	0.44	0.97	1 box
139342*	32 x 25 mm SDR11 Coupling	3	30	0.14	0.31	1 box
138853-001*	40 x 32 mm SDR11 Coupling	5	25	0.28	0.62	1 box
138863-001*	50 x 40 mm SDR11 Coupling	1	1	0.48	1.06	1 box
138873-001*	63 x 50 mm SDR11 Coupling	1	1	0.76	1.67	1 box
222217*	63 mm SDR11 x 2 in. F2080 Coupling	1	1	1.00	2.20	1 box
267641*	75 x 63 mm SDR11 Coupling	1	1	1.40	3.10	1 box
267651*	90 x 75 mm SDR11 Coupling	1	1	2.70	4.56	1 box
267661*	110 x 90 mm SDR11 Coupling	1	1	3.10	6.80	1 box

* This item is not stocked. Lead times may vary.
 Couplings connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes 1 in. to 63 mm are brass. Sizes 75 to 160 mm are bronze. Order compression sleeves separately. Not certified for potable water.



Dual Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260417-101	1 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	25	150	0.14	0.30	1 box
260947-101	1 in. F2080 x 1 1/4 in. C Male (Street) or 1 in. C Female (Sweat) Adapter	20	120	0.16	0.36	1 box
235567-101	1 1/4 in. F2080 x 1 1/4 in. C Male (Street) or 1 in. C Female (Sweat) Adapter	5	30	0.22	0.49	1 box
235577-101	1 1/4 in. F2080 x 1 1/2 in. C Male (Street) or 1 1/4 in. C Female (Sweat) Adapter	5	30	0.25	0.55	1 box
235767-101	1 1/2 in. F2080 x 1 1/2 in. C Male (Street) or 1 1/4 in. C Female (Sweat) Adapter	5	30	0.32	0.71	1 box
235777-101	1 1/2 in. F2080 x 2 in. C Male (Street) or 1 1/2 in. C Female (Sweat) Adapter	5	30	.051	1.12	1 box
235967-101	2 in. F2080 x 2 in. C Male (Street) or 1 1/2 in. C Female (Sweat) Adapter	5	30	0.64	1.42	1 box
235977-101	2 in. F2080 x 2 1/2 in. C Male (Street) or 2 in. C Female (Sweat) Adapter	3	18	0.80	1.76	1 box

Adapter fittings connect to RAUPEX pipe. Sizes 1 in. to 63 mm are brass. All of these adapters can be used as male (street) or female (sweat) fittings. Make solder connection before connecting to RAUPEX pipe. Fittings install using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



MPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female Adapter	15	90	0.19	0.43	1 box
730053-001	1 1/4 in. F2080 x 1 in. MPT or 3/4 in. C Female Adapter	5	30	0.19	0.41	1 box
235557-101	1 1/4 in. F2080 x 1 1/4 in. MPT or 1 in. C Female Adapter	5	30	0.33	0.73	1 box
235757-101	1 1/2 in. F2080 x 1 1/2 in. MPT or 1 1/4 in. C Female Adapter	5	30	0.51	1.11	1 box
235957-101	2 in. F2080 x 2 in. MPT or 1 1/2 in. C Female Adapter	3	18	0.89	1.96	1 box
298246-001	25 mm SDR11 x 1 in. MPT or 3/4 in. C Female Adapter	5	30	0.18	0.40	1 box
235117-001	32 mm SDR11 x 1 1/4 in. MPT or 1 in. C Female Adapter	5	30	0.34	0.75	1 box
235127-001	40 mm SDR11 x 1 1/2 in. MPT or 1 1/4 C Female Adapter	1	1	0.50	1.10	1 box
235137-001	50 mm SDR11 x 2 in. MPT or 1 1/2 C Female Adapter	1	1	0.84	1.85	1 box
235157	63 mm SDR11 x 2 1/2 in. MPT or 2 in. C Female Adapter	1	1	1.51	3.33	1 box
235147	63 mm SDR11 x 2 in. MPT Adapter	1	1	1.50	3.30	1 box
235167	75 mm SDR11 x 3 in. MPT Adapter	1	1	2.33	5.14	1 box
235177	90 mm SDR11 x 3 in. MPT Adapter	1	1	2.10	4.62	1 box
235187	110 mm SDR11 x 4 in. MPT Adapter	1	1	3.69	8.14	1 box

Adapter fittings connect to RAUPEX pipe. Make threaded or solder connections before connecting to RAUPEX pipe. Order compression sleeves separately. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Make threaded connection before connecting to RAUPEX pipe. Fittings are installed using RAUTOOL PEX pipe installation tools. Not certified for potable water.



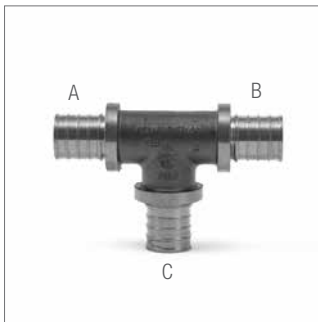
Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260497-101	1 in. F2080 Plug	30	180	0.09	0.20	1 box
235267-101	1 1/4 in. F2080 Plug	20	120	0.10	0.22	1 box

Order compression sleeves separately. Fittings are installed using RAUTOOL PEX pipe installation tools. Not certified for potable water.



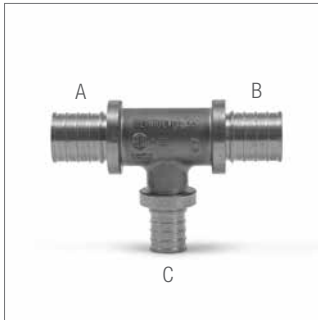
90° Elbows						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260717-101	1 x 1 in. F2080 Elbow	10	60	0.25	0.56	1 box
235597-101	1 1/4 x 1 1/4 in. F2080 Elbow	8	48	0.37	0.82	1 box
235797-101	1 1/2 x 1 1/2 in. F2080 Elbow	2	12	0.64	1.47	1 box
235997-101	2 x 2 in. F2080 Elbow	2	12	1.08	2.38	1 box
139522	25 x 25 mm SDR11 Elbow	10	50	0.16	0.35	1 box
139532	32 x 32 mm SDR11 Elbow	3	30	0.29	0.64	1 box
138923	40 x 40 mm SDR11 Elbow	1	1	0.52	1.15	1 box
138933	50 x 50 mm SDR11 Elbow	1	1	0.82	1.81	1 box
138943	63 x 63 mm SDR11 Elbow	1	1	1.67	3.69	1 box
267751	75 x 75 mm SDR11 Elbow	1	1	2.44	5.38	1 box
267761	90 x 90 mm SDR11 Elbow	1	1	3.30	7.28	1 box
267771	110 x 110 mm SDR11 Elbow	1	1	5.32	11.7	1 box

Elbows connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Order compression sleeves separately. Not certified for potable water.



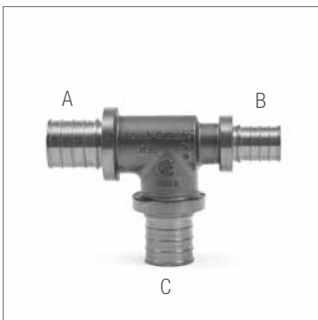
Straight Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	0.34	0.77	1 box
235607-101	1 1/4 x 1 1/4 x 1 1/4 in. F2080 Tee	5	30	0.51	1.12	1 box
235807-101	1 1/2 x 1 1/2 x 1 1/2 in. F2080 Tee	2	12	0.87	1.93	1 box
236007-101	2 x 2 x 2 in. F2080 Tee	1	6	1.39	3.08	1 box
139122	25 x 25 x 25 mm SDR11 Tee	10	50	0.20	0.44	1 box
139132	32 x 32 x 32 mm SDR11 Tee	3	30	0.40	0.88	1 box
138773	40 x 40 x 40 mm SDR11 Tee	1	1	0.77	1.70	1 box
244372-001	50 x 50 x 50 mm SDR11 Tee	1	1	0.87	1.92	1 box
244382	63 x 63 x 63 mm SDR11 Tee	1	1	2.14	4.72	1 box
221946-001	75 x 75 x 75 mm SDR11 Tee	1	1	3.47	7.65	1 box
221948-001	90 x 90 x 90 mm SDR11 Tee	1	1	4.00	8.00	1 box
221953-001	110 x 110 x 110 mm SDR11 Tee	1	1	7.09	15.6	1 box

Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



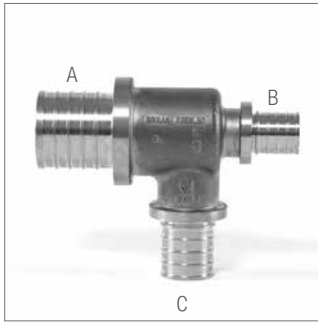
Branch Reducing Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
235617-101	1 1/4 x 1 1/4 x 1 in. F2080 Tee	5	30	0.45	1.00	1 box
235627-101	1 1/4 x 1 1/4 x 3/4 in. F2080 Tee	5	30	0.40	0.89	1 box
235817-101	1 1/2 x 1 1/2 x 1 1/4 in. F2080 Tee	2	12	0.65	1.43	1 box
235827-101	1 1/2 x 1 1/2 x 1 in. F2080 Tee	2	12	0.69	1.53	1 box
236017-101	2 x 2 x 1 1/2 in. F2080 Tee	1	6	1.14	2.52	1 box
236027-101	2 x 2 x 1 1/4 in. F2080 Tee	1	6	0.80	1.76	1 box
236037-101	2 x 2 x 1 in. F2080 Tee	1	6	1.08	2.38	1 box
169061-001	32 x 32 x 25 mm SDR11 Tee	3	30	0.33	0.73	1 box
169069-001+	40 x 40 x 25 mm SDR11 Tee	1	1	0.67	1.48	1 box
169071-001+	40 x 40 x 32 mm SDR11 Tee	1	1	0.70	1.54	1 box
169152-001+	50 x 50 x 25 mm SDR11 Tee	1	1	0.83	1.83	1 box
169154-001+	50 x 50 x 32 mm SDR11 Tee	1	1	0.82	1.81	1 box
169155-001+	50 x 50 x 40 mm SDR11 Tee	1	1	0.90	1.98	1 box
169159-001+	63 x 63 x 25 mm SDR11 Tee	1	1	1.20	2.65	1 box
169161-001+	63 x 63 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
169164-001+	63 x 63 x 40 mm SDR11 Tee	1	1	1.70	3.75	1 box
169166-001+	63 x 63 x 50 mm SDR11 Tee	1	1	1.90	4.19	1 box
267781-001+	63 x 63 x 75 mm SDR11 Tee	1	1	2.70	5.60	1 box
221934-001+	75 x 75 x 25 mm SDR11 Tee	1	1	2.10	4.63	1 box
267791-001+	75 x 75 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221936-001+	75 x 75 x 40 mm SDR11 Tee	1	1	2.25	4.96	1 box
231326-001+	75 x 75 x 50 mm SDR11 Tee	1	1	2.50	5.51	1 box
221944-001+	75 x 75 x 63 mm SDR11 Tee	1	1	2.93	6.47	1 box
231336-001+	90 x 90 x 32 mm SDR11 Tee	1	1	3.00	6.61	1 box
221945-001 +	90 x 90 x 40 mm SDR11 Tee	1	1	3.20	7.05	1 box
231346+	90 x 90 x 63 mm SDR11 Tee	1	1	3.61	7.96	1 box
231356-001+	110 x 110 x 32 mm SDR11 Tee	1	1	4.30	9.48	1 box
221950-001+	110 x 110 x 50 mm SDR11 Tee	1	1	5.30	11.68	1 box
231366+	110 x 110 x 63 mm SDR11 Tee	1	1	5.40	11.9	1 box

+ This item is not stocked. Lead times may vary.
 Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Run Reducing Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
235637-101	1 1/4 x 1 x 1 1/4 in. F2080 Tee	5	30	0.38	0.84	1 box
235837-101	1 1/2 x 1 1/4 x 1 1/2 in. F2080 Tee	2	12	0.79	1.76	1 box
235847-101	1 1/2 x 1 x 1 1/2 in. F2080 Tee	2	12	0.76	1.68	1 box
236057-101	2 x 1 1/4 x 2 in. F2080 Tee	1	6	0.79	1.76	1 box
139192+	32 x 25 x 32 mm SDR11 Tee	3	30	0.35	0.77	1 box

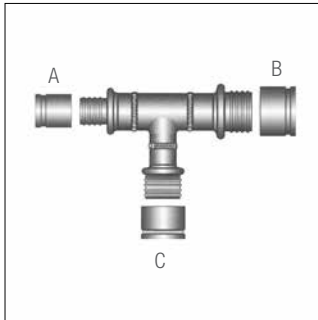
+ This item is not stocked. Lead times may vary.
 Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Branch and Run Reducing Tees

Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
235657-101	1 1/4 x 1 x 1 in. F2080 Tee	5	30	0.42	0.93	1 box
235857-101	1 1/2 x 1 1/4 x 1 1/4 in. F2080 Tee	2	12	0.69	1.51	1 box
235867-101	1 1/2 x 1 1/4 x 1 in. F2080 Tee	2	12	0.57	1.27	1 box
235877-101	1 1/2 x 1 x 1 in. F2080 Tee	2	12	0.59	1.30	1 box
236067-101	2 x 1 1/2 x 1 1/2 in. F2080 Tee	1	6	1.16	2.56	1 box
236087-101	2 x 1 1/2 x 1 in. F2080 Tee	1	6	0.96	2.11	1 box
139242-001+	32 x 25 x 25 mm SDR11 Tee	3	30	0.28	0.62	1 box
139163-001+	40 x 32 x 32 mm SDR11 Tee	1	1	0.58	1.28	1 box
221925-001+	50 x 40 x 25 mm SDR11 Tee	1	1	0.82	1.81	1 box
138803-001+	50 x 40 x 32 mm SDR11 Tee	1	1	0.72	1.59	1 box
221928-001+	63 x 40 x 40 mm SDR11 Tee	1	1	1.50	3.31	1 box
221926-001+	63 x 50 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
221930-001+	63 x 50 x 40 mm SDR11 Tee	1	1	1.60	3.53	1 box
221933-001+	63 x 50 x 50 mm SDR11 Tee	1	1	1.60	3.53	1 box
221935-001+	75 x 63 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221938-001+	75 x 63 x 50 mm SDR11 Tee	1	1	2.40	5.29	1 box
221943-001+	75 x 63 x 63 mm SDR11 Tee	1	1	2.65	5.84	1 box

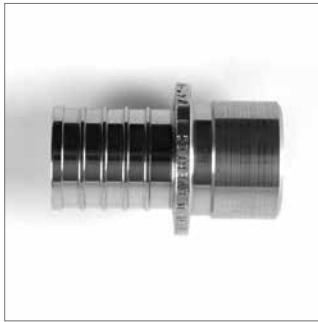
+ This item is not stocked. Lead times may vary.
 Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Carbon Steel Tees

Article No.	Description (A x B x C)	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
241194-001+	75 x 63 x 25 mm SDR11 Tee	1	2.53	5.58	1
241214+	75 x 63 x 40 mm SDR11 Tee	1	2.82	6.22	1
241304-001+	90 x 75 x 25 mm SDR11 Tee	1	3.84	8.47	1
241314-001+	90 x 75 x 32 mm SDR11 Tee	1	4.05	8.93	1
241324-001+	90 x 75 x 40 mm SDR11 Tee	1	4.23	9.32	1
241334+	90 x 75 x 50 mm SDR11 Tee	1	4.58	10.10	1
241344+	90 x 75 x 63 mm SDR11 Tee	1	5.09	11.22	1
241354+	90 x 75 x 75 mm SDR11 Tee	1	4.47	9.86	1
241364-001+	90 x 90 x 25 mm SDR11 Tee	1	4.55	10.03	1
241394+	90 x 90 x 50 mm SDR11 Tee	1	5.28	11.64	1
241414-001+	90 x 90 x 75 mm SDR11 Tee	1	6.51	14.35	1
241434-001+	110 x 90 x 25 mm SDR11 Tee	1	5.00	11.02	1
241444-001+	110 x 90 x 32 mm SDR11 Tee	1	5.25	11.57	1
241454-001+	110 x 90 x 40 mm SDR11 Tee	1	5.43	11.97	1
241464-001+	110 x 90 x 50 mm SDR11 Tee	1	5.77	12.72	1
241474-001+	110 x 90 x 63 mm SDR11 Tee	1	5.77	12.72	1
241484-001+	110 x 90 x 75 mm SDR11 Tee	1	6.29	13.87	1
241494-001+	110 x 90 x 90 mm SDR11 Tee	1	7.00	15.43	1
241504-001+	110 x 110 x 25 mm SDR11 Tee	1	5.53	12.19	1
241524-001+	110 x 110 x 40 mm SDR11 Tee	1	6.26	13.8	1
241554-001+	110 x 110 x 75 mm SDR11 Tee	1	6.78	14.95	1
241564-001+	110 x 110 x 90 mm SDR11 Tee	1	7.49	16.51	1
310306-001+	125 x 110 x 75 mm SDR11 Tee	1	10.00	22.05	1
301889-001+	125 x 110 x 90 mm SDR11 Tee	1	10.50	23.15	1
301888-001+	125 x 110 x 110 mm SDR11 Tee	1	11.50	25.35	1
301897-001+	125 x 110 x 125 mm SDR11 Tee	1	13.00	28.66	1
301895-001+	125 x 125 x 63 mm SDR11 Tee	1	11.00	24.25	1
352896-001+	125 x 125 x 75 mm SDR11 Tee	1	11.10	24.47	1
352897-001+	125 x 125 x 90 mm SDR11 Tee	1	11.5	25.36	1
352899-001+	125 x 125 x 110 mm SDR11 Tee	1	12.50	27.56	1
352898-001+	125 x 125 x 125 mm SDR11 Tee	1	14.00	30.87	1

+ This item is not stocked. Lead times may vary.
 Welded carbon steel fitting includes three SDR11 brass sleeves (25 to 63 mm) or gunmetal (75 to 125 mm).
 These fittings connect to RAUTOOL PEX pipe installation tools. Not certified for potable water.



Carbon Steel Welding Ends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
221717	1 in. F2080 x NPS 3/4 in. Schedule 40 Carbon Steel Welding End	1	0.09	0.2	1
221727	1 1/4 in. F2080 x NPS 1 in. Schedule 40 Carbon Steel Welding End	1	0.16	0.4	1
221737	1 1/2 in. F2080 x NPS 1 1/4 in. Schedule 40 Carbon Steel Welding End	1	0.27	0.6	1
221747	2 in. F2080 x NPS 1 1/2 in. Schedule 40 Carbon Steel Welding End	1	0.36	0.8	1
221807	63 mm SDR11 x NPS 2 in. Schedule 40 Carbon Steel Welding End	1	0.73	1.6	1
221817	75 mm SDR11 x NPS 2 1/2 in. Schedule 40 Carbon Steel Welding End	1	1.13	2.5	1
221827	90 mm SDR11 x NPS 3 in. Schedule 40 Carbon Steel Welding End	1	1.50	3.3	1
221837-001	110 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.20	4.9	1
298256-001	125 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.50	5.5	1
206253-001	140 mm SDR11 x 139.7 x 3.6 mm 40 Carbon Steel Welding End	1	4.58	10.1	1

Carbon steel welding ends can be used with standard steel welding tees to create custom tees. Used for custom tee fabrication on closed systems with air removal devices and with RAUPEX O₂ barrier pipe. Order sleeves separately. Not certified for potable water.

5. RAUPEX COMPRESSION NUT FITTINGS

RAUPEX split-ring compression nut brass fittings are machined from solid brass stock. Integral fitting/insert design provides positive clamping and sealing action with split compression ring.



RAUPEX MPT Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
260477	1 in. RAUPEX x 1 in. MPT or 3/4 in. C Female (Sweat)	1	10	60	305	0.67	1 bag

Dual adapter fittings connect RAUPEX pipe to threaded fitting (first size) or copper pipe (second size) in sizes indicated. Make solder or threaded connection before connecting to RAUPEX pipe. Not certified for potable water applications.



RAUPEX Copper Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
260467	1 in. RAUPEX x 1 in. C Female (Sweat)	1	10	60	274	0.60	1 bag

Copper adapter fittings connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe. Not certified for potable water applications.

6. RAUTOOL PEX PIPE INSTALLATION TOOLS

Custom tools provide fast, easy, professional installations, and are required to assemble F2080 and SDR11 fittings. RAUTOOL tools are made of quality materials and field-tested for long life and reliable performance. Tools are sold as complete kits or as individual components using the article numbers listed below.



RAUTOOL M1 Manual Tool Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298296-001	M1 25 to 40 mm	1	10.1	22.2	1 kit

The M1 manually operated tool is used for the assembling SDR11 compression-sleeve fittings in sizes 25, 32 and 40 mm.

Each M1 tool kit comes complete with the following:

- M1 basic tool (Art. 137764-005)
- Pipe expander RO (Art. 139592)
- Ratchet pipe cutter (Art. 138062)
- SDR11 expansion head RO 25 mm (Art. 139662)
- SDR11 expansion head RO 32 mm (Art. 137193)
- SDR11 expansion head assembly M1 40 mm (Art. 137314-001)
- Set of SDR11 clamping jaws M1 25/32 mm (Art. 137364-001)
- Set of SDR11 clamping jaws M1 40 mm (Art. 201798-001)
- Grease and brush pack
- Rugged plastic transport case
- Operating instructions



RAUTOOL A-light2 Battery Tool Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298786-001	A-light2 25 to 40 mm	1	11.4	25	1 kit

The A-light2 tool kit is an 18 V Li-ion battery operated tool used for assembling F2080/SDR11 compression-sleeve fittings in sizes 1/2 to 1 1/4 in and 25, 32 and 40 mm.

Each A-light2 tool kit comes complete with the following:

- A-light2 basic tool (Art. 298236-001)
- Li-ion battery (Art. 203619-001)
- Battery charger 120 V DC18RA (Art. 212754-001)
- Ratchet pipe cutter (Art. 138062)
- Pipe expander RO (Art. 139592)
- Expander bit 25/32 mm (Art. 247504-001)
- SDR11 expansion head RO 25 mm (Art. 139662)
- SDR11 expansion head RO 32 mm (Art. 137193)
- SDR11 expansion head assembly A-light2 40 mm (Art. 138323-001)
- Set of SDR11 clamping jaws A-light2 25/32 mm (Art. 257259-002)
- Set of SDR11 clamping jaws A-light2 40 mm (Art. 201801-001)
- Grease and brush pack
- Rugged plastic transport case
- Operating instructions

Accessory items sold separately:

- Set of F2080 clamping jaws A-light2 1/2, 3/4 in. (Art. 403219-001)
- Set of F2080 clamping jaws A-light2 1, 1 1/4 in. (Art. 215749-001)



RAUTOOL G2 Battery Hydraulic Tool Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
212734-001	G2 50 to 63 mm	1	15.0	33.0	1 kit

The G2 tool uses a battery hydraulic pump, a 10-ft (3 m) hydraulic hose with quick-release fittings and an actuating head that is used for both expansion and compression steps. Follow all included safety warnings about the safe use of this tool.

With additional accessories, the G2 battery hydraulic tool can also be used for assembling F2080/SDR11 compression-sleeve fittings in sizes 1 1/2 to 2 in. and 40 to 110 mm.

Each G2 tool kit comes complete with the following:

- Battery pump AP-3 (Art. 212734-920)
- Li-ion battery 18 V/3 Ah (Art. 203623-001)
- Battery charger 120 V US/CA (Art. 212754-001)
- Hydraulic cylinder (Art. 137904-001) with hydraulic hose G2 (Art. 212734-900)
- Head assembly with 2 short + 2 long locking pins (Art. 137914-001)
- Pipe cutter for up to 63 mm (Art. 131558-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Operating instructions
- SDR11 expansion head G 50 mm (Art. 137424)
- SDR11 expansion head G 63 mm (Art. 137434)
- Set of SDR11 clamping jaws G 50 mm (Art. 137624)
- Set of SDR11 clamping jaws G 63 mm (Art. 137634)

Accessory items sold separately:

- Set of 2 short + 2 long locking pins (Art. 137745-001)
- AP3 adapter to G1 hose (Art. 212734-910)
- F2080 expansion head G 1 1/2 in. (Art. 235427-001)
- F2080 expansion head G 2 in. (Art. 235437-001)
- SDR11 expansion head G 40 mm (Art. 138463)
- Set of SDR11 compression jaws G 40 mm (1/2 in.) (Art. 137964-002)
- Set of F2080 compression jaws G 2 in. (Art. 235497-001)
- G1/G2 Expansion kit 75 to 110 mm RAUTOOL G (Art. 137825-001)



G1/G2 Expansion Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
137825-001	G1/G2 75 to 110 mm Expansion Kit	1	30.5	67.0	1 kit

Use with the G1 or G2 tool (purchased separately) for assembling SDR11 compression-sleeve fittings in sizes 75 to 110 mm.

This expansion kit comes complete with the following:

- Pipe cutter for 50 to 125 mm (Art. 137394-001)
- Transport case extension (Art. 244561-001)
- SDR11 expansion head G 75 mm (Art. 137584)
- SDR11 expansion head G 90 mm (Art. 137604)
- SDR11 expansion head G 110 mm (Art. 137614)
- Set of SDR11 compression jaws G 75 mm (Art. 137644)
- Set of SDR11 compression jaws G 90 mm (Art. 137654)
- Set of SDR11 compression jaws G 110 mm (Art. 137664)



RAUTOOL G2 125 to 160 mm Battery Hydraulic Tool Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212744-001	G2 125 to 160 mm	1	52.7	116.0	1 kit
206259-001	G1/G2 Expansion Kit 140 mm	1	23.6	52.0	1 kit

Specifically designed for assembling SDR11 compression-sleeve fittings in sizes 125 to 160 mm. This powerful tool with a battery-hydraulic pump is ideal for use in prefabrication and on construction sites. Follow instructions and safety warnings included with the tool and in the *INSULPEX Installation Guide*.

The G2 125 to 160 mm tool kit comes complete with the following:

- Battery pump AP-4 (Art. 212744-920)
- Li-ion battery 18 V/3 Ah (Art. 203623-001)
- Battery charger 120 VAC US/CA (Art. 212754-001)
- 2 hydraulic cylinders (Art. 137904-001) with hydraulic hose G2 125 to 160 mm (Art. 212744-900)
- Head assembly with 2 short locking pins (Art. 137914-001)
- 2 long locking pins (2X Art. 137745-001)
- Y-distributor with quick couplings G2 125 to 160 mm (Art. 212744-910)
- Pipe cutter for 110 to 160 mm (Art. 221016-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Transport case extension (Art. 138015-001)
- Operating instructions
- SDR11 expansion head G 125 mm (Art. 138006-001)
- SDR11 expansion head G 160 mm (Art. 138007-001)
- Set of SDR11 compression jaws G 160 mm (Art. 138008-001)
- Set of reducers G 160/125 mm (Art. 138009-001)

Accessory item sold separately:

- Pipe lubricant (Art. 128953-003)
- G1/G2 140 mm Expansion Kit (Art. 206259-001)



Battery Accessories					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212754-001	Battery Li-ion 18V Charger 120 VAC	1	1.0	2.2	1
203619-001	Battery Li-ion 18 V/1.5 Ah A-light2	1	0.5	1.0	1
203623-001	Battery Li-ion 18 V/3 Ah G2	1	0.6	1.4	1





Ratchet Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 63 mm RAUPEX	1	1.09	2.41	1

It is important to use a proper cutter when cutting RAUPEX pipes. RAUPEX cutters provide clean, square and accurate cutting of RAUPEX pipes in sizes indicated.



Enclosed Feed Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
221016-001*	Pipe Cutter for 110 to 160 mm RAUPEX	1	0.91	2.0	1
137394-001	Pipe Cutter for 50 to 125 mm RAUPEX	1	0.46	1.0	1

* This item is not stocked. Lead times may vary.



Sleeve Lubricants

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
128953-003	Compression Sleeve Lubricant	1	0.49	1.1	1 tube



INSULPEX Repair Tapes

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
241002	INSULPEX Repair Tape	1	0.26	0.6	1 roll

Waterproof, synthetic rubber adhesive tape can be used to repair the PE casing of INSULPEX pipe if it is damaged. Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).

RAUGEO™ GROUND LOOP HEAT EXCHANGE

Product Catalog, January 2017



GROUND LOOP HEAT EXCHANGE



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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. RAUGEO GROUND LOOPS

RAUGEO PEXa pipes and compression-sleeve fittings are recognized by the International Ground Source Heat Pump Association's (IGSHPA) *Design and Installation Standards* guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipes are manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUGEO PEXa pipe has a co-extruded grey PE UV shield that protects the pipe against ultraviolet light (sunlight) for an extended time. All RAUGEO PEXa pipe meets or exceeds the requirements of ASTM F876, F877, CSA B137.5 and PPI TR-3. RAUGEO PEXa pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

RAUGEO ground loops are certified to CSA C448 and are recognized by the International Ground Source Heat Pump Association's (IGSHPA) *Design and Installation Standards* guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipe is compatible with RAUPEX compression nut fittings and fittings certified to ASTM F2080 and CSA B137.5.

See applicable REHAU technical documents for detailed temperature and pressure ratings.



RAUGEO 1 in. Double U-bends

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
630366-224	RAUGEO Double U-bend PEXa 1 in. CTS 210 ft Coil (840 ft)	1	71.6	157.8	1
630366-924	RAUGEO Double U-bend PEXa 1 in. CTS 260 ft Coil (1,040 ft)	1	87.4	192.7	1
630366-324	RAUGEO Double U-bend PEXa 1 in. CTS 310 ft Coil (1,240 ft)	1	103.3	227.7	1
630366-374	RAUGEO Double U-bend PEXa 1 in. CTS 360 ft Coil (1,440 ft)	1	119.1	262.6	1

One RAUGEO double U-bend coil comes packaged as two single U-bend coils with attachment hardware. Each RAUGEO single U-bend comprises RAUGEO PEXa UV shield pipe with reinforced resin U-bend tip. 1 in. pipe inside diameter is 0.875 in (22.2 mm). 1 in. pipe capacity is 0.0316 US gallons per foot (0.3939 l/m). Custom coil lengths are available upon request, and with an extended lead time.



RAUGEO 1 in. Single U-bends

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
630376-224	RAUGEO Single U-bend PEXa 1 in. CTS 210 ft Coil (420 ft)	1	35.8	78.9	1
630376-924	RAUGEO Single U-bend PEXa 1 in. CTS 260 ft Coil (520 ft)	1	43.7	96.4	1
630376-324	RAUGEO Single U-bend PEXa 1 in. CTS 310 ft.Coil (620 ft)	1	51.6	113.8	1
630376-374	RAUGEO Single U-bend PEXa 1 in. CTS 360 ft.Coil (720 ft)	1	59.6	131.3	1

Each RAUGEO single U-bend comprises RAUGEO PEXa UV shield pipe with reinforced resin U-bend tip. 1 in. pipe inside diameter is 0.875 in (22.2 mm). 1 in. pipe capacity is 0.0316 US gallons per foot (0.3939 l/m). Custom coil lengths are available upon request, and with an extended lead time.



RAUGEO 1 1/4 in. Double U-bends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
630386-364+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 360 ft Coil (1,440 ft)	1	159.9	352	1
630386-424	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 410 ft Coil (1,640 ft)	1	181.9	401	1
630386-464+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 460 ft.Coil (1,840 ft)	1	203.7	449	1
630386-524	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 510 ft.Coil (2,040 ft)	1	225.4	497	1
630386-624	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 610 ft Coil (2,440 ft)	1	284.8	628	1

+This item is not stocked. Lead times may vary.

One RAUGEO double U-bend comes packaged as two single U-bend coils. The double U-bend is made by joining two (2) single U-bends with the provided 1/4 - 20 x 1 in. bolts and nuts through the joining bars. Each single U-bend comprises RAUGEO PEXa UV shield pipe with a probe tip that is constructed of corrosion-resistant stainless steel tube and stainless steel ASTM F2080 fittings. The tip assembly is covered in a rubber dip coating to further protect it from corrosion. A heat shrink sleeve is also applied over the joint between the RAUGEO pipe and the tip.

1 1/4 in. pipe inside diameter is 1.070 in (27.2 mm). 1 1/4 in. pipe capacity is 0.0467 US gallons per foot (0.5827 l/m). Custom coil lengths are available upon request, and with an extended lead time.

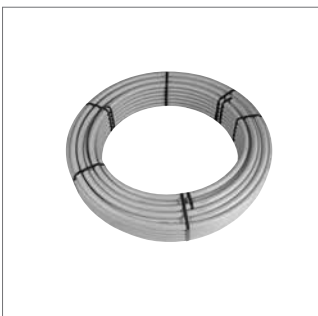


RAUGEO 1 1/4 in. Single U-bends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
630396-364+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 360 ft Coil (720 ft)	1	79.9	176	1
630396-424	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 410 ft Coil (820 ft)	1	95.3	210	1
630396-464+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 460 ft.Coil (920 ft)	1	101.6	224	1
630396-524	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 510 ft.Coil (1,020 ft)	1	112.5	248	1

+This item is not stocked. Lead times may vary.

Each single U-bend comprises RAUGEO PEXa UV shield pipe with a probe tip that is constructed of corrosion-resistant stainless steel tube and stainless steel ASTM F2080 fittings. The tip assembly is covered in a rubber dip coating to further protect it from corrosion. A heat shrink sleeve is also applied over the joint between the RAUGEO pipe and the tip.

1 1/4 in. pipe inside diameter is 1.070 in (27.2 mm). 1 1/4 in. pipe capacity is 0.0467 US gallons per foot (0.5827 l/m). Custom coil lengths are available upon request, and with an extended lead time.



RAUGEO Collect Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235371-524+	RAUGEO Collect 3/4 in. CTS (500 ft)	500 ft	24.6	54.3	1 coil
235381-324	RAUGEO Collect 1 in. CTS (300 ft)	300 ft	23.7	52.2	1 coil
235381-524	RAUGEO Collect 1 in. CTS (500 ft)	500 ft	39.5	87.0	1 coil
235381-824	RAUGEO Collect 1 in. CTS (800 ft)	800 ft	63.2	139.2	1 coil
235391-524	RAUGEO Collect 1 1/4 in. CTS (500 ft)	500 ft	56.9	125.5	1 coil
235391-824	RAUGEO Collect 1 1/4 in. CTS (800 ft)	800 ft	87.8	193.69	1 coil

+This item is not stocked. Lead times may vary.

RAUGEO Collect is RAUGEO PEXa UV shield pipe for horizontal ground loops and system distribution piping. 3/4 in. pipe inside diameter is 0.680 in (17.3 mm) and its capacity is 0.0189 US gallons per foot (0.2356 l/m). 1 in. pipe inside diameter is 0.875 in (22.2 mm) and its capacity is 0.0316 US gallons per foot (0.3939 l/m). 1 1/4 in. pipe inside diameter is 1.070 in (27.2 mm) and its capacity is 0.0467 US gallons per foot (0.5827 l/m). Custom coil lengths are available upon request, and with an extended lead time.



RAUGEO U-bend Vertical Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
222858-001	RAUGEO U-bend 1 in. CTS Pipe Spacer	200	0.04	0.10	1 box
222859-001	RAUGEO U-bend 1 1/4 in. CTS Pipe Spacer	200	0.05	0.11	1 box



RAUGEO Collect Horizontal Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
236117	PE Protection Sleeve for 3/4 in. Pipe	50 ft/coil	1.10	2.40	1 coil
236127*	PE Protection Sleeve for 1 in. Pipe	50 ft/coil	1.70	3.60	1 coil
236137*	PE Protection Sleeve for 1 1/4 in. Pipe	150 ft/coil	6.10	13.4	1 coil
266227	3/4 in. Polymer Support Bend	50 pcs/box	70	0.16	1 box
266237	1 in. Polymer Support Bend	50 pcs/box	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50 pcs/box	200	0.44	1 box
253625	3/4 and 1 in. Heat Shrink – 3.3 ft (1 m)	35 pcs/bag	0.12	0.27	1 meter

* This item is not stocked. Lead times may vary.



RAUGEO Installation Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
285561-001	Bulk Head Seal ID 0.75 to 1.1 in.	1	0.60	1.32	1
285571-001*	Bulk Head Seal ID 1.25 to 1.56 in.	1	0.59	1.29	1
285581-001*	Bulk Head Seal ID 2.0 in.	1	0.45	1.00	1
285591-001*	Bulk Head Seal ID 2.5 in.	1	0.46	1.01	1

* This item is not stocked. Lead times may vary.

Bulkhead seal provides a water resistant seal for pipe penetrations through foundation walls.

2. PRO-BALANCE 1 1/4 IN. MANIFOLDS



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
281841-100	4	398	15.08	1	5.0	11.0	1
281851-100	5	453	17.06	1	5.4	12.0	1
281861-100	6	508	19.02	1	6.0	13.1	1
281871-100	7	563	20.99	1	6.5	14.2	1
281881-100	8	618	22.95	1	6.9	15.3	1

Delivered pre-assembled and ready to install. Use with 3/4 and 1 in. RAUPEX pipe. Order manifold-to-pipe connectors separately. For 3/4 in. pipe use R-20 fitting (Art. 267007-101). For 1 in. pipe use manifold adapter assembly (Art. 212104-001).

Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges / isolation valves (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Manifold not compatible with alcohol-based antifreezes
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPF x 1 1/4 in. BSPF x 1 1/4 in. BSPM union tee (Art. 250228-001)

Note: Not for use with alcohol-based glycols.

3. HKV 1 1/4 IN. MANIFOLDS



HKV 1 1/4 in. Brass Manifolds

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		cm	in		kg	lb	
215528-001	4	30.0	11.81	1	5.0	11.0	1
215529-001	6	41.0	16.14	1	5.4	13.1	1

HKV 1 1/4 in. manifolds are for use in distributing and regulating the volume of flow in geothermal applications. HKV manifolds may be used with a variety of system fluids including propylene glycol, ethylene-based glycols and alcohol-based glycols. Manifolds are equipped with supply/shutoff valves and circuit balancing isolation valves which allow individual complete circuit isolation.

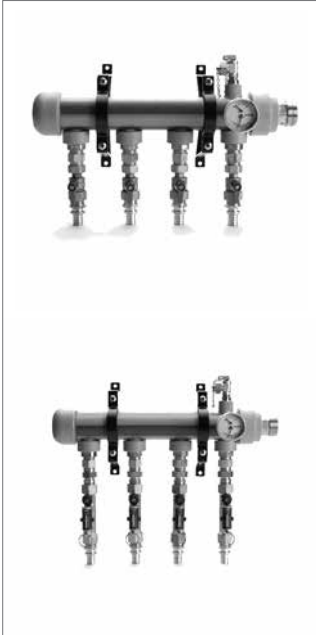
Pre-assembled and factory pressure-tested, these manifolds are for use with 1 and 1 1/4 in. RAUGEO PEXa UV shield pipe using REHAU manifold connections (sold separately).

Each HKV 1 1/4 in. manifold comes complete with the following:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Isolation valves on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Compatible with manifold valve actuator (Art. 260166). May be mounted in any orientation (e.g., inverted, horizontal). Mini thermometers (Art. 250218) are sold separately.

4. PRO-BALANCE XP MANIFOLDS



REHAU's robust PRO-BALANCE XP manifold for larger flow capacity applications is constructed from a strong, durable polypropylene material and is available in 4 to 20 drops. The XP manifold can connect to either 1 or 1 1/4 in. RAUGEO PEXa pipe using F2080 compression-sleeve fittings. Manifold pipe diameter varies according to number of drops. 2 or 3 in. MPT connection to main. See product submittal for details.

Notes: Allows up to 10 GPM per circuit, with a total maximum of 200 GPM

To build a complete PRO-BALANCE XP manifold, follow the steps below:

- 1) Select the header set with the desired number of drops
- 2) Select the type of drop connection required, either 1 in. F2080, 1 1/4 in. F2080 or 1 in. FPT
- 3) Order one drop set for each drop of the manifold, corresponding to the selected drop connection from Step 2
- 4) Select the accessory kit which corresponds to the number of drops on your header set

Example: An order for a 12-drop manifold with 1 in. F2080 connections would consist of:

PRO-BALANCE XP Manifolds		
Article No.	Description	Qty
212604-012	PRO-BALANCE XP Header Set - 12 Drop	1
212654-002	PRO-BALANCE XP Drop Set - 1 in. F2080	12
212664-002	PRO-BALANCE XP Accessory Kit - 9 to 15 Drop	1



PRO-BALANCE XP Header Sets							
Article No.	Drops	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
212604-104+	4	546	21.5	1	9.4	20.7	1
212604-105+	5	646	25.4	1	10.3	22.7	1
212604-106+	6	746	29.4	1	11.1	24.4	1
212604-107+	7	846	33.3	1	11.9	26.2	1
212604-108+	8	946	37.2	1	12.8	28.2	1
212604-109+	9	1,046	41.2	1	15.1	33.2	1
212604-110+	10	1,146	45.1	1	16.0	35.2	1
212604-111+	11	1,246	49.1	1	16.8	37.0	1
212604-112+	12	1,346	53.0	1	17.6	38.7	1
262604-113+	13	1,446	56.9	1	18.5	40.7	1
212604-114+	14	1,546	60.9	1	19.3	42.5	1
212604-115+	15	1,646	64.8	1	20.0	44.2	1
212614-116+	16	1,770	69.7	1	25.4	56.0	1
212614-117+	17	1,870	73.6	1	27.0	59.4	1
212614-118+	18	1,970	75.6	1	28.0	61.6	1
212614-119+	19	2,070	81.5	1	28.8	63.6	1
212614-120+	20	2,170	85.4	1	29.8	65.8	1

+ This item is not stocked. Lead times may vary.

The PRO-BALANCE XP Header Set consists of one supply header and one return header. Every header set is 100% inspected tested and bar-coded for traceability, and fabricated by REHAU by certified technicians in a plant using a quality management system that is certified to ISO 9001. Brackets not included.



PRO-BALANCE XP Drop Sets

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212654-001	PRO-BALANCE XP Drop Set - 3 to 10 GPM, 1 in. Female NPT	1	1.93	4.25	1
212654-002	PRO-BALANCE XP Drop Set - 3 to 10 GPM, 1 in. F2080	1	2.43	5.35	1
212654-003	PRO-BALANCE XP Drop Set - 3 to 10 GPM, 1 1/4 in. F2080	1	2.58	5.68	1

In addition to the pipe fittings, the PRO-BALANCE XP drop set includes all the components required for installation onto the PRO-BALANCE XP header set to yield maximum flow control and individual loop isolation capabilities. Each set includes the hardware for one supply and one return drop, including:

- Brass flow meter with integrated balancing valve
- Brass ball valve
- Connections to either 1 or 1 1/4 in. RAUGEO PEXa pipe or 1 in. male NPT thread



PRO-BALANCE XP Accessory Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212664-001	PRO-BALANCE XP Accessory Kit - 4 to 8 Drop	1	4.17	9.2	1
212664-002	PRO-BALANCE XP Accessory Kit - 9 to 15 Drop	1	5.85	12.9	1
212664-003	PRO-BALANCE XP Accessory Kit - 16 to 20 Drop	1	7.62	16.8	1

The PRO-BALANCE XP accessory kit, in combination with the header set and drop sets, completes a full PRO-BALANCE XP manifold. Each accessory kit includes:

- Pressure and temperature gauges
- Fill/purge valves
- Brass hex plugs
- Mounting brackets

5. PRO-BALANCE XP MANIFOLD ACCESSORIES



Temperature/Pressure Gauges					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
730013-001	Tridicator-Pressure and Temperature	1	0.16	0.35	1

This gauge measures both temperature and pressure.
 Temperature range: 10 to 120°F (-12 to 49°C). Pressure range: 0 to 100 psi.



Fill/Purge Valves					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
730103-001	Mini-ball Valve / Drain Valve	1	0.20	0.45	1

For easy filling and purging of the geothermal manifold and loops. Male pipe thread, 1/2 in. MPT, 3/4 in. garden hose thread (GHT).



Flow Gauges					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
730173-001	Brass Flow Gauge with Setter, 3 to 10 gpm	1	1.14	2.50	1
730023-001*	Brass Flow Gauge with Setter, 2 to 7 gpm	1	1.14	2.50	1

* This item is not stocked. Lead times may vary.
 For measuring and adjusting circuit flow rate.



Replacement Bypass Valves					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212724-001*	Replacement Bypass Valve for Brass Flow Gauge	1	0.20	0.44	1

* This item is not stocked. Lead times may vary.
 Replacement bypass valve can be used if the original valve that comes with the flow gauge setters (Art. 730173-001 and 730023-001) becomes damaged.



Ball Valves

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
244777	1 in. Brass NPT Ball Valve with Thermometer Housing	1	0.21	0.46	1

Valves have integrated thermometer housings on each side of the valve housing. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE brass manifold. Mini thermometers are sold separately.



Steel Bracket Sets

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
730183-075	Painted Steel Bracket Set, 2 in. (75 mm)	1	1.68	3.70	1
730183-090	Painted Steel Bracket Set, 3 in. (90 mm)	1	1.70	3.75	1

For manifolds with 4 to 8 drops order two 2 in. bracket sets, manifolds with 9 to 15 drops order three 2 in. bracket sets and for manifolds with 16 to 20 drops order four 3 in. bracket sets.



Accessories

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
730113-001	1/2 in. MPT Countersunk Hex Plug	1	0.03	0.07	1
730133-001	1 in. MPT Double Nipple	1	0.20	0.43	1



6. F2080 COMPRESSION-SLEEVE FITTINGS

F2080 compression-sleeve fittings and sleeves are designed specifically for use with RAUGEO PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU *Technical Guidelines*. F2080 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260577-101	3/4 in. F2080 Sleeve	80	480	0.03	0.08	1 box
260877-101	1 in. F2080 Sleeve	40	240	0.07	0.16	1 box
235507-101	1 1/4 in. F2080 Sleeve	25	150	0.11	0.26	1 box

Sleeves are unplated brass. Tapered end installs toward fitting.



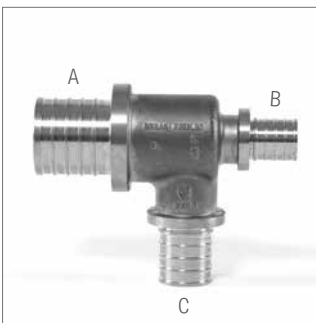
Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260317-101	3/4 x 3/4 in. F2080 Coupling	35	210	0.08	0.18	1 box
260447-101	1 x 3/4 in. F2080 Reducer Coupling	25	150	0.11	0.25	1 box
260427-101	1 x 1 in. F2080 Coupling	20	120	0.14	0.30	1 box
235517-101	1 1/4 x 1 in. F2080 Reducer Coupling	10	60	0.20	0.43	1 box
235527-101	1 1/4 x 1 1/4 in. F2080 Coupling	5	30	0.23	0.50	1 box

Order compression sleeves separately.



Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260397-101	3/4 in. F2080 Plug	60	360	0.05	0.12	1 box
260497-101	1 in. F2080 Plug	30	180	0.09	0.20	1 box
235267-101	1 1/4 in. F2080 Plug	20	120	0.10	0.22	1 box

Order compression sleeves separately.



F2080 Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260617-101	3/4 x 3/4 x 3/4 in. F2080 Tee	15	90	0.19	0.42	1 box
260707-101	1 x 1 x 3/4 in. F2080 Tee	10	60	0.29	0.65	1 box
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	0.35	0.77	1 box
235657-101	1 1/4 x 1 x 1 in. F2080 Tee	5	30	0.42	0.93	1 box
235617-101	1 1/4 x 1 1/4 x 1 in. F2080 Tee	5	30	0.45	1.00	1 box
235607-101	1 1/4 x 1 1/4 x 1 1/4 in. F2080 Tee	5	30	0.51	1.12	1 box

Order compression sleeves separately.



Dual MPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260597-101	3/4 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat)	20	120	0.11	0.24	1 box
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat)	15	90	0.19	0.43	1 box
730053-001	1 1/4 in. F2080 X 1 in. MPT or 3/4 in. C Female (Sweat)	5	30	0.19	0.41	1 box
235557-101	1 1/4 in. F2080 x 1 1/4 in. MPT or 1 in. C Female (Sweat)	5	30	0.33	0.73	1 box

Dual adapters connect RAUGEO PEXa pipe to either female threaded fittings (first size) or copper pipe (second size) in sizes indicated. Make threaded or solder connections before connecting to RAUGEO PEXa pipe. Order compression sleeves separately.



FPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260387-101	3/4 in. F2080 x 3/4 in. FPT Adapter	25	150	0.13	0.28	1 box
260487-101	1 in. F2080 x 1 in. FPT Adapter	10	60	0.23	0.51	1 box

FPT adapters connect RAUGEO PEXa pipe to male threaded fittings in sizes indicated. Make threaded connections before connecting to RAUGEO PEXa pipe. Order compression sleeves separately.



Elbows						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
260677-101	3/4 x 3/4 in. F2080 Elbow	25	150	0.13	0.29	1 box
260717-101	1 x 1 in. F2080 Elbow	10	60	0.25	0.56	1 box
235597-101	1 1/4 x 1 1/4 in. F2080 Elbow	8	48	0.37	0.82	1 box

In some situations a 90° bend may be formed without an elbow (refer to REHAU technical manuals); see support bends and PVC bend guides under *RAUGEO Collect Horizontal Ground Loop Accessories* in this catalog. Order compression sleeves separately.



RAUGEO Manifold Adapter Assemblies						
Article No.	Description	Package Quantity	Unit Weight		Minimum Order	
			kg	lb		
212104-001	1 in. x R-20 Manifold Adapter Assembly RAUGEO (Set)	1 set	0.36	0.80	1 set	

The 1 in. x R-20 manifold adapter assembly will allow installers to connect 1 in. RAUGEO PEXa pipes to the PRO-BALANCE 1 1/4 in. manifold. Each assembly comes complete with the following articles, and will be partially pre-assembled with the 3/4 in. F2080 compression-sleeve joint already made:

- 2 x 267007-101: 3/4 in. R-20 adapter
- 2 x 260577-101: 3/4 in. F2080 compression sleeve
- 2 x 260877-101: 1 in. F2080 compression sleeve
- 2 x 260447-101: 1 x 3/4 in. F2080 reducer coupling
- 5 in. piece 3/4 in. RAUPEX white UV shield pipe

Tools required to make the 1 in. F2080 compression-sleeve joint sold separately.

7. RAUTOOL PEX PIPE INSTALLATION TOOLS

Custom tools provide fast, easy, professional installations and are required to assemble F2080 compressions-sleeve joints. REHAU tools are made of quality materials and field-tested for long life and reliable performance. Tools are sold as complete kits or as individual components using the article numbers listed below.



F2080 Tool Kits 3/4 to 1 1/4 in.

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281391-001	F2080 Tool Kit 3/4 to 1 1/4 in.	1	7.8	17.2	1

The F2080 3/4 to 1 1/4 in. tool kit is specifically designed for assembling 3/4 to 1 1/4 in. F2080 compression-sleeve fittings, covering all geothermal applications supported by the REHAU program.

The tool kit comes complete with the following:

- RAUPEX pipe expander RO (Art. 139592)
- F2080 expander heads RO: 3/4 in (Art. 261866), 1 in (Art. 261896) and 1 1/4 in. (Art. 235417)
- Grease and brush pack for expander maintenance
- VERSALOC® F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaws (set), 1 and 1 1/4 in. VERSALOC F2080 jaws (Art. 243767, 243787 and 243797)
- RAUCUTTER (Art. 137495)
- Ratchet cutter for up to 1 1/2 in. RAUPEX (Art. 138062)
- Tool box (Art. 261206)



VERSALOC Compression Tool

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243737	VERSALOC F2080 Compression Tool	1	1.1	2.4	1

The VERSALOC compression tool compresses F2080 compression sleeves onto F2080 fittings up to 1 1/4 in. Ideal for all types of installation applications including joist cavities and other tight spaces. The VERSALOC compression tool is used with interchangeable VERSALOC jaws (jaws sold separately).



VERSALOC Compression Jaws

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243767	4-in-1 VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.37	0.8	1 set
243787	1 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.68	1.5	1 set
243797	1 1/4 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.77	1.6	1 set

4-in-1 VERSALOC compression jaws are used with the VERSALOC compression tool to assemble F2080 joints in sizes 3/8, 1/2, 5/8 and 3/4 in. The lower groove works with 3/8 and 1/2 in., while the upper groove works with 5/8 and 3/4 in. The 4-in-1 jaws reduce switching of jaws for common fitting sizes.

Jaws are sold in sets; one set includes two jaws.



RAUPEX Pipe Expanders

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
139592	RAUPEX Pipe Expander RO	1	1.4	3.2	1

Expands RAUGEO PEXa pipe quickly and easily to assemble F2080 fittings. Includes grease and brush pack for expander tool maintenance. Expander heads sold separately.



Pipe Expander Heads

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261886	F2080 Expander Head RO 3/4 in.	1	0.16	0.35	1
261896	F2080 Expander Head RO 1 in.	1	0.18	0.39	1
235417	F2080 Expander Head RO 1 1/4 in.	1	0.20	0.45	1

Expander heads come in all sizes to expand RAUGEO PEXa pipe. For use with RAUPEX pipe expander RO (Art. 139592).



RAUPEX Pipe Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER (for up to 1 in. RAUPEX)	1	0.17	0.38	1
315242-001	Ratchet Cutter (for up to 1 1/2 in. RAUPEX)	1	0.41	0.90	1

It is important to use a proper cutter when cutting RAUGEO PEXa pipes. RAUPEX cutters provide clean, square and accurate cutting of RAUGEO PEXa pipes in sizes indicated.

Sales Offices (Toll-free)

Canada Maritimes (800) 565-7342 · Québec (800) 361-0830 · Ontario (800) 561-9609 · Western Canada (800) 944-1011

United States Eastern US (800) 297-6371 · Western US (800) 944-1011

Mexico Northern Mexico (818) 121-0130 · Central and Southern Mexico (800) 917-3428

Central America Panama (507) 830-5257

Warranty

REHAU stands behind our products with a 25-year limited warranty on PEXa pipe and fittings. www.na.rehau.com/warranties

Return Policy

Each return will be reviewed individually. No material may be returned without our written permission and return authorization number. Only catalogued and resalable items may be returned. The minimum return value will be \$100. Product and packaging has to be in resalable condition, all products returned to the distribution center are subject to quality inspection. Materials have to be in original clean and closed packaging (where applicable), boxes must have original labels, customer label must be removed prior to return. Any material which is authorized to be returned will be subject to a minimum twenty-five (25) percent restocking fee.

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