Residential
Commercial

PRODUCT CATALOG

CALEFACTIO

IMPROVE WHAT'S BEST

2019

CALEFACTIO

Calefactio Solutions is a family owned company located in Blainville, Quebec (Canada). We manufacture and distribute specialized products in industrial, commercial and residential plumbing, especially in hydronic heating. Always growing, we sell our products, technologies and solutions both in Canada and the United States.

Made up of young and dynamic professionals, the Calefactio Solutions team is driven by innovation. Among the values that drive it and predominate are creativity, commitment and performance. In terms of supply, the company places continuous enhancement at the top of its priorities.

It's with the statement **"All products can be improved"** that we developed our range of services and solidified our position as the innovation leader in our field.

Calefactio is also distinguished by its expertise and quality of service which listens to and meets the needs of its clients. Each Calefactio product supports the company's commitment.

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calefactio.com

TABLE OF CONTENTS

NON-CODE BLADDER EXPANSION TANKS

- WATER IS STORED IN THE BLADDER
- WATER DOES NOT COME IN CONTACT WITH THE SHELL OF THE TANK
- NO RUST OR CORROSION OF THE SHELL OF THE TANK

HEATING | **THE ONE®** | **POTABLE**

Welded and Robust Construction

The steel shells are designed to withstand high pressure and provide protection of your installation. The tanks are solid and durable, while remaining light, easy to handle and simple to use.

Full Acceptance EPDM Bladder

The bladders resist temperatures up to 200°F (93°C) for potable water reservoir systems, 240°F (115°C) for heating installations and 315°F (157°C) for high temperature systems. Characterized by solid construction, the bladders are fabricated following an injection molding process. They are suitable for glycol (up to 50 %), solar and cooling installations.

Resistant Coating

The finish, obtained by an electrostatic painting process, gives the reservoirs an attractive and durable appearance.

Factory Precharge for all Models

Suitable for most common installations.
Precharge must be manually adjusted on site.

HIGH TEMPERATURE
Patent pending

HEATING

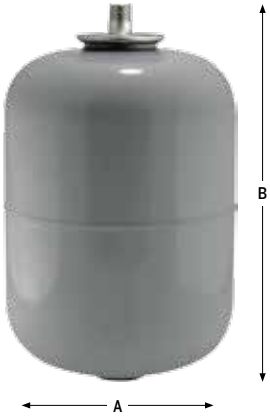
Series HGT and HGTV expansion tanks are available in formats ranging from 2 to 74 gallons, in models mounted on conduit or on base. These tanks are formed from a steel shells designed to resist high pressures, which makes your installation even safer. The EPDM bladder separates air from water while preventing water infiltration and by saving space and energy. These devices are suitable for heating and cooling installations and are also compatible with glycol.

- Heating applications
- EPDM bladder – water never comes in contact with the tank
- Maximum temperature: 240°F
- Precharge: 12 PSI
- Maximum operating pressure: 115 PSI
- 2 to 74 gallons

HGT

- Fixed bladder expansion tank
- MNPT to high connection (on conduit)

Model#	Volume		Conn.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGT-15	2.1	8	½"	7.9	200	13.7	348	5	2
HGT-30	4.8	18	½"	10.6	270	16.3	415	9	4
HGT-60M	6	23	½"	10.6	270	18.9	480	9.25	4.2
HGT-60	8	30	½"	13.8	350	17.9	455	14	6
HGT-90	13	50	1"	14.9	380	23	585	23	10



HGTV

- Expansion tank with replaceable bladder
- FNPT connection at bottom (on base)

Model#	Volume		Conn.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGTV-30	13	50	1"	14.9	380	25.3	645	25	12
HGTV-40	21	80	1"	17.7	450	26.7	680	29	13
HGTV-60	26	100	1"	17.7	450	30.1	765	35	16
HGTV-90	40	150	1¼"	19.7	500	41.1	1045	49	22
HGTV-110	57	215	1¼"	19.7	500	52.1	1325	77	35
HGTV-150	74	280	1¼"	19.7	500	63.1	1605	102	46

ACCESSORIES

Wall Bracket

Model# for HGT-15	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGT-30 and HGT-60M	Weight	
	lb	kg
BRACKET270MM	0.66	0.3

HIGH TEMPERATURE

HTS

- Compatible with glycol
- EPDM bladder
- Epoxy coating
- Welded steel shell
- Temperature max: 315°F and up*
- Precharge: 25 PSI
- Max. operation pressure: 150 PSI

Model#	Volume		Conn.	Weight	
	gal	L		lb	kg
HTS-30	6.6	25	½"	12	5.4

PATENT PENDING

*See the Calefactio engineering department.

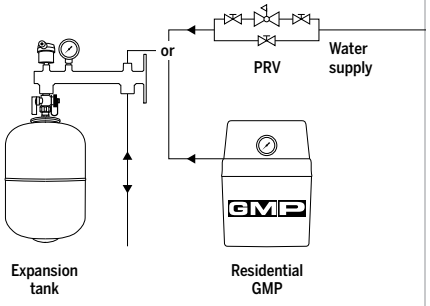
SERVICE KIT FOR HEATING SYSTEM

Heating System Service Kit

- Safe, pratical and easy access installation
- Provides an overview of the state of the system

Model#	Content	Weight	
		lb	kg
SERVICEKIT15	HGT-15 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM	10	4.55
SERVICEKIT30	HGT-30 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM	12	5.45
SERVICEKIT60M	HGT-60M + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM	15	6.82
SERVICEKIT60	HGT-60 + HGSC-MULTI + R8818 + HGSV12 + GAGE0-30BOTTOM	16	7.27

Installation Schematic



OPTIONAL

Connection Hose

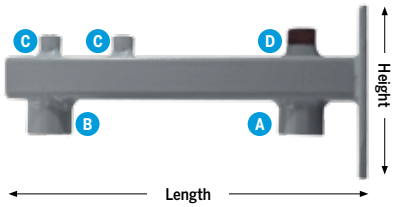
Model#	Description	Weight	
		lb	kg
BH72	Braided hose 72"	1.32	0.6

INCLUDED

Suitable for tanks HGT-15, HGT-30, HGT-60M and HGT-60

Service Center

Steel frame



Model#	HGSC-MULTI		
A	B	C	D
½" FNPT	½" FNPT	⅛" FNPT	½" FNPT

Length	Height	Width	Weight	
			lb	kg
10¾"	4½"	2⅜"	2.8	1.27

Automatic Vent

Model#	Description	Weight	
		lb	kg
R8818	⅛" MNPT	0.24	0.11

Service Valve

Model#	Description	Weight	
		lb	kg
HGSV12	½" FNPT	0.66	0.3

⅛"MNPT Pressure Gauge

Model#	Description	Weight	
		lb	kg
GAGE0-30BOTTOM	0-30 PSI	0.22	0.1
GAGE0-100BOTTOM	0-100 PSI	0.22	0.1

THE ONE[MD]

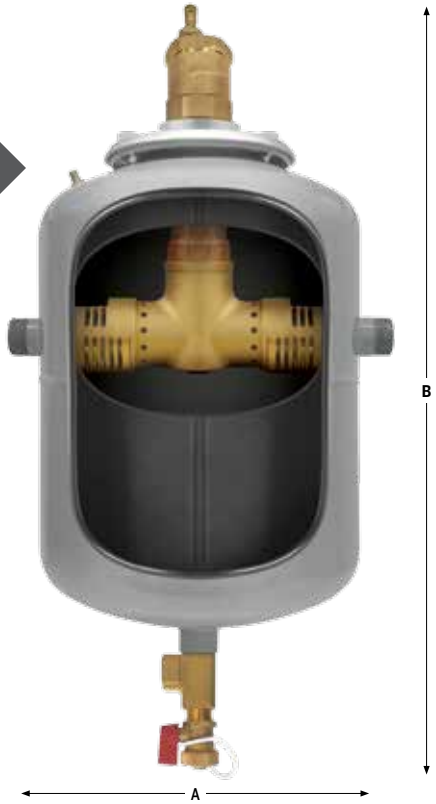
AHR EXPO INNOVATION AWARDS 2018 WINNER

UNIQUE AND EXCLUSIVE TO CALEFACTIO

The only device which combines an expansion tank with replaceable bladder, an air separator and a dirt separator.

Highest performing air and dirt separator in the industry due to an oversize chamber which absorbs shock to the system.

- Coalescent media in stainless steel
- Minimum loss of pressure (CV22)
- Superior performance for separation of microbubbles
- High efficiency for separation of solids and dirt
- Brass and copper casing



The ONE®

- Save money
- Save time
- Reduce the risk of leaks
- Reduce the number of joints and welds

Model#	Total volume		Net Volume		Max. operating pressure	Conn. MNPT	Dimension				Weight	
							A		B			
	gal	L	gal	L	PSI	in	in	mm	in	mm	lb	kg
T015	2.7	10	2.7	8	115	1	12.8	325	15.6	395	15	6.82
T030	5.3	20	4.8	18	115	1	12.8	325	22.4	570	19.2	8.73

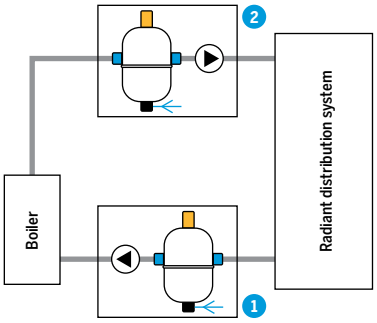
Replaceable bladder expansion tank | Air and dirt separator | Calvent automatic air vent | Drainage valve | Wall support

TECHNICAL CHARACTERISTICS

- **Material**
  Casing: brass
  Internal element: stainless steel
  Joint: EPDM
- **Adapted fluids**
  Water and 50% glycol solution
- **Temperature range**
  32-240°F (0-115°C)
- **Maximum pressure**
  115 PSI

Installation Schematic

2 possible configurations



Air & Dirt Separator

The heart of The ONE® is a brass casing air and dirt separator of superior quality and highly resistant. Its efficiency is 40% higher than that of other air and dirt removal devices due to its size.

POTABLE

- Potable water applications in a domestic system
- EPDM bladder – water never comes in contact with the tank
- Maximum temperature: 200°F (93°C)
- Precharge: 50 PSI
- Maximum operating pressure: 150 PSI
- 2 to 74 gallons

C US
Drinking Water
NSF/ANSI 61 & 372

HGTE

- Fixed bladder expansion tank
- MNPT connection (stainless steel)

Model#	Volume		Conn.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGTE-5	2.1	8	¾"	7.9	200	13.7	348	5	2
HGTE-8	3.2	12	¾"	10.6	270	12.8	325	9	4
HGTE-12	4.7	18	¾"	10.6	270	16.7	425	11	5
HGTE-25	8.0	30	¾"	13.8	350	16.4	418	14	6

HGTEV

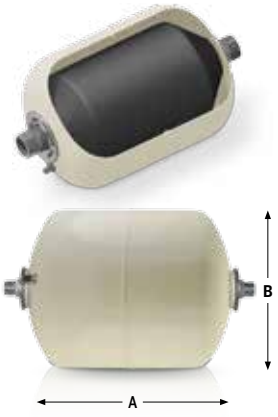
- Expansion tank with replaceable bladder
- FNPT (stainless steel) bottom connection (on base)

Model#	Volume		Conn.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
HGTEV-30	14	53	¾"	14.9	380	26.4	670	26	12
HGTEV-42	20	75.8	¾"	17.7	450	27.8	750	31	14
HGTEV-60	30	114	1¼"	17.7	450	31.8	808	37	17
HGTEV-80	44	167	1¼"	19.7	500	42.0	1065	52	23
HGTEV-180	57	215	1¼"	19.7	500	52.4	1330	75	34
HGTEV-200	74	280	1¼"	19.7	500	63.4	1610	103	47

FTTE – Continuous Flow

- Limit the risk of system contamination by legionella bacteria
- Avoid stagnation

Model#	Volume		Conn.	Dimension				Weight	
				A		B			
	gal	L		in	mm	in	mm	lb	kg
FTTE-5	2.1	8	¾"	14.3	365	7.9	200	6.3	2.9
FTTE-8	3.2	12	¾"	14.3	365	10.6	270	7.6	3.5
FTTE-12	4.7	18	¾"	17.5	445	10.6	270	9.3	4.2
FTTE-25	8	30	¾"	17.5	445	13.8	350	11.5	5.2



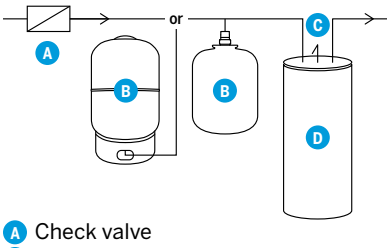
ACCESSORIES

Wall Support

Model# for HGTE-5/FTTE-5	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

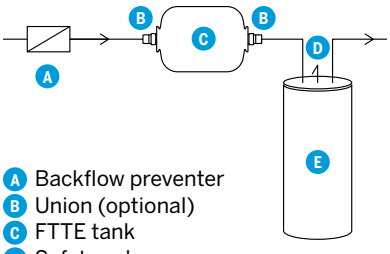
Model# for HGTE-8/HGTE-12/FTTE-8/FTTE-12	Weight	
	lb	kg
BRACKET270MM	0.66	0.3

Installation Schematic
For HGTE/HGTEV



- A Check valve
- B HGTE/HGTEV tank
- C Safety valve
- D Water heater

Installation Schematic
For FTTE



- A Backflow preventer
- B Union (optional)
- C FTTE tank
- D Safety valve
- E Water heater

SERVICE KIT FOR POTABLE WATER SYSTEM

Potable Water Service Kit

- Provides an overview of the state of the system
- Saves time and money

Model#	Content	Weight	
		lb	kg
SERVICEKIT5	⊕ HGTE-5 ⊕ HGSC-SS ⊕ HGSV34	8.7	3.95
SERVICEKIT8	⊕ HGTE-8 ⊕ HGSC-SS ⊕ HGSV34	12.7	5.77
SERVICEKIT12	⊕ HGTE-12 ⊕ HGSC-SS ⊕ HGSV34	14.7	6.68

OPERATION

The service kit for potable water systems includes an expansion tank (HGTE-5, HGTE-8, HGTE-12 or HGTE-25), a stainless steel service center (#HGSC-SS), and a service valve with pressure gauge (#HGSV34). The potable water system service valve from Calefactio combines several functions, one of which allows reading the system pressure at any time.

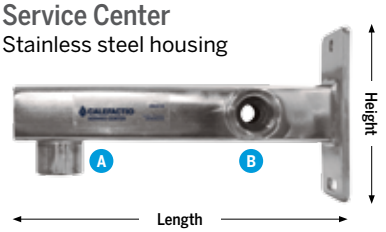
When the valve is in closed position, it is possible to use it to drain the tank, or perform maintenance. Once the tank is drained, it becomes very easy to verify that the pressure is equal too or greater than that of the municipal network and to adjust it for proper functioning if necessary.

INCLUDED

Suitable for tanks HGTE-5, HGTE-8, HGTE-12 and HGTE-25

Service Center

Stainless steel housing



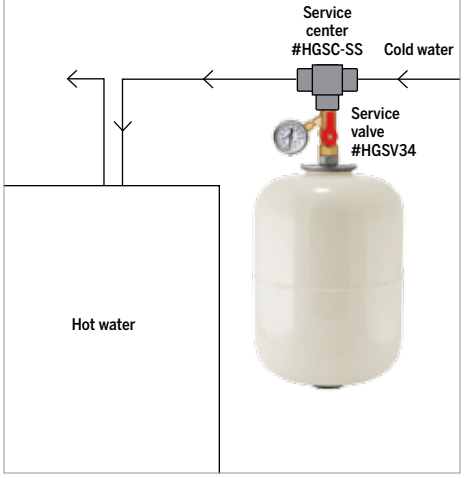
Model#	HGSC-SS	
A		B
¾" FNPT		¾" FNPT

Length	Height	Width	Weight	
			lb	kg
9¼"	4¾"	2⅜"	2.6	1.18

Service valve with drain

Model#	Description	Weight	
		lb	kg
HGSV34	¾" MNPT	1.1	0.5

Installation Schematic



ACCESSORIES FOR EXPANSION TANKS / HEATING

Wall Support

Model# for HGT-15	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGT-30/HGT-60M/TO15/TO30	Weight	
	lb	kg
BRACKET270MM	0.66	0.3

Service Valve

Model#	Description	Weight	
		lb	kg
#HGSV12	½" MNPT × ½" FNPT	0.66	0.3

⅛" MNPT Pressure Gauge

Model#	Description	Weight	
		lb	kg
GAGE0-30BOTTOM	0-30 PSI	0.22	0.1
GAGE0-100BOTTOM	0-100 PSI	0.22	0.1

Automatic Vent

Model#	Description	Weight	
		lb	kg
R8818	⅛" MNPT	0.24	0.11

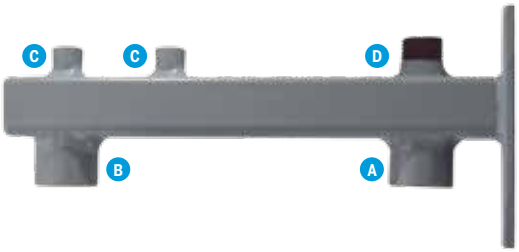
Connection Hose

Model#	Description	Weight	
		lb	kg
BH72	Braided hose 72"	1.32	0.6

Heating System Service Center

- Suitable for tanks HGT-15, HGT-30, HGT-60M and HGT-60
- Steel frame

Model#	A FNPT	B FNPT	C FNPT	D MNPT	Length	Height	Width	Weight	
								lb	kg
HGSC-MULTI	½"	½"	⅛"	½"	10¾"	4½"	2⅜"	2.8	1.27



ACCESSORIES FOR EXPANSION TANK / POTABLE

Wall Support

Model# for HGTE-5/FTTE-5	Weight	
	lb	kg
BRACKET200MM	0.66	0.3

Model# for HGTE-8/HGTE-12/FTTE-8/FTTE-12	Weight	
	lb	kg
BRACKET270MM	0.66	0.3

Service Valve with Drain

Suitable for tanks HGTE-5, HGTE-8, HGTE-12, HGTE-25, FTTE-5, FTTE-8, FTTE-12 and FTTE-25.

Model#	Description	Weight	
		lb	kg
#HGSV34	¾"FNPT system, ⅛" gauge	1.1	0.5

Potable Water Service Center

- Suitable for tanks HGTE-5, HGTE-8, HGTE-12 and HGTE-25
- Stainless steel housing

Model#	A MNPT	B MNPT	Length	Height	Width	Weight	
						lb	kg
HGSC-SS	¾"	¾"	9¼"	4¾"	2⅜"	2.6	1.18

CALEFACTIO

ASME EXPANSION TANKS

HEATING

POTABLE

HYDRO-PNEUMATICS

Expanflex

HEATING

AL SERIES

Replaceable bladder **Bottom connection**

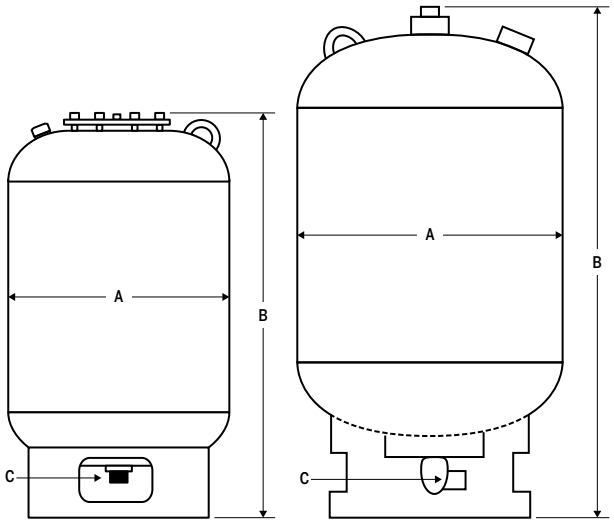
- Acceptance factor of 100 %
- Design conforms to ASME, section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Replaceable butyl bladder
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure 125 PSI (862 kPa)
- Maximum pressure 150, 175, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



AL-35 to AL-800

ALT-1000 to ALT-5000 with base

Model#	Volume		Dimension				NPT Connection		Approx. weight	
			A		B		C			
	gal	L	in	mm	in	mm	in	mm	lb	kg
AL-35	10	38	12	305	28	706	1	25	50	23
AL-50	13	50	12	305	36	918	1	25	60	27
AL-85	23	87	16	406	37	935	1	25	80	36
AL-130	35	132	16	406	50	1283	1	25	100	46
AL-200	53	200	24	610	43	1092	1½	38	210	95
AL-300	79	299	24	610	55	1397	1½	38	225	102
AL-400	106	401	30	762	49	1245	1½	38	300	136
AL-500	132	500	30	762	57	1448	1½	38	335	152
AL-600	158	598	30	762	65	1651	1½	38	360	163
AL-800	211	798	32	813	76	1930	1½	38	475	215
AL-1000	264	999	36	914	82	2083	1½	38	850	386
AL-1200	317	1200	36	914	94	2388	1½	38	950	431
AL-1400	370	1400	36	914	107	2718	1½	38	1050	476
AL-1600	422	1597	48	1219	77	1956	1½	38	1545	701
AL-2000	528	1999	48	1219	90	2286	1½	38	1745	792
AL-2500	660	2498	48	1219	108	2743	2	50	1965	891
AL-3000L	792	2998	48	1219	125	3175	2	50	2200	998
AL-3000S	792	2998	60	1524	91	2311	2	50	2700	1225
AL-4000	1056	3997	60	1524	115	2921	2	50	3780	1718
AL-5000	1320	4996	60	1524	137	3480	2	50	3600	1633

EXPAN VIEW

Models **AL-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

HEATING

ALT SERIES

Replaceable bladder **Top connection**

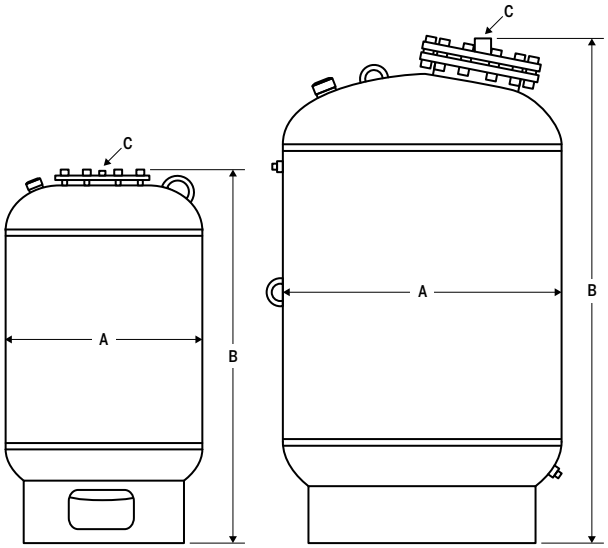
- Acceptance factor of 100 %
- Design conforms to ASME, section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Replaceable butyl bladder
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure 125 PSI (862 kPa)
- Maximum pressure of 150, 175, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



ALT-35 to ALT-800 with base

ALT-1000 to ALT-7500 with base

EXPAN VIEW Models **ALT-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

Model#	Volume		Dimension				Connection		Approx. weight	
			A		B		C			
	gal	L	in	mm	in	mm	in	mm	lb	kg
ALT-35	10	38	12	305	28	706	1	25	50	23
ALT-50	13	50	12	305	36	918	1	25	60	27
ALT-85	23	87	16	406	37	935	1	25	80	36
ALT-130	35	132	20	508	37	940	¾	19	125	57
ALT-200	53	200	24	610	43	1092	¾	19	210	95
ALT-300	79	299	24	610	55	1397	¾	19	225	102
ALT-400	106	401	30	762	49	1245	¾	19	300	136
ALT-500	132	500	30	762	57	1448	¾	19	335	152
ALT-600	158	598	30	762	65	1651	¾	19	360	163
ALT-800	211	798	32	813	75	1905	¾	19	475	215
ALT-1000	264	999	36	914	76	1930	1½	38	850	386
ALT-1200	317	1200	36	914	94	2388	1½	38	950	431
ALT-1400	370	1400	36	914	99	2515	1½	38	875	397
ALT-1600	422	1597	48	1219	72	1829	1½	38	1100	499
ALT-2000	528	1999	48	1219	85	2159	1½	38	1280	581
ALT-2500	660	2498	48	1219	102	2591	2	51	1435	651
ALT-3000L	792	2998	48	1219	122	3099	2	51	1550	703
ALT-3000S	792	2998	60	1524	80	2032	2	51	2169	984
ALT-3500	926	3505	54	1372	111	2819	2	51	2369	1075
ALT-4000	1056	3997	60	1524	102	2591	2	51	2638	1196
ALT-5000	1320	4996	60	1524	125	3175	2	51	3246	1472
ALT-7500	1981	7499	72	1829	127	3226	3	76	4005	1817

HEATING

OT SERIES

Fixed bladder **Top Connection**

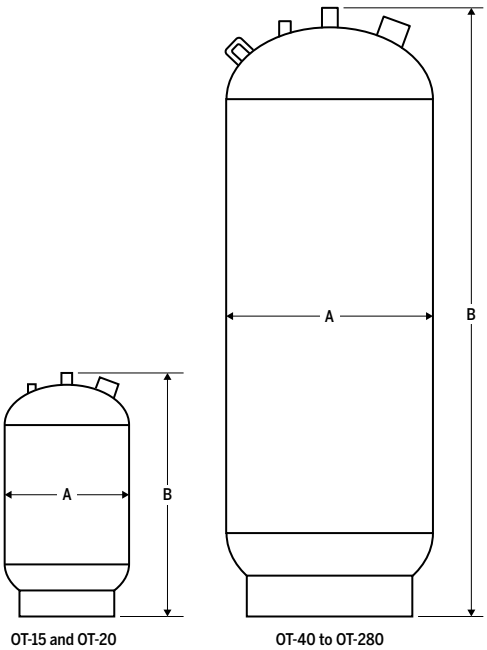
- Design conforms to ASME, section VIII
- Fixed bladder in ultra resistant EPDM
- Air precharged at factory; pressure adjustable on site
- Water remains permanently separated from air for the duration of the useful life of the installation

TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature of 240°F (115°C) at the tank level
- Air precharged at factory at 12 PSI (83 kPa)
- Service pressure: 150 PSI (1034 kPa) for OT-15 to OT60
- Service pressure: 1125 PSI (862 kPa) for OT-80 and higher
- Maximum pressure of 175, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



OT-15 and OT-20 OT-40 to OT-280

Model#	Tank volume		Accept. volume		NPT Connection		Dimension				Approx. weight	
							A		B			
	gal	L	gal	L	in	mm	in	mm	in	mm	lb	kg
OT-15	7.8	30	6.3	24	¾	19	12	305	21	535	35.6	16.2
OT-20	11	42	8.8	33	¾	19	12	305	26	662	40.3	18.3
OT-40	25	95	20.2	76	1	25	16	406	35	885	67.5	30.7
OT-60	35	132	28	106	1	25	16	406	46	1165	82.9	37.7
OT-80	45	170	36	136	1	25	20	508	38	965	148	67
OT-100	60	227	48.5	184	1	25	20	508	49	1245	175	79
OT-120	70	265	56.5	214	1½	38	24	610	46	1168	259	117
OT-144	80	303	65	246	1½	38	24	610	49	1245	268	122
OT-180	90	341	73	276	1½	38	24	610	52	1321	283	128
OT-200	115	435	93	352	1½	38	24	610	66	1676	325	147
OT-240	140	530	113.5	430	1½	38	24	610	78	1981	362	164
OT-260	158	598	128	485	1½	38	30	762	63	1600	591	268
OT-280	211	799	171	647	1½	38	30	762	81	2032	752	341

EXPAN VIEW Models **OT-80 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

HEATING

NA SERIES

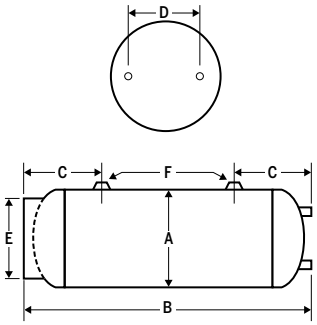
Without bladder **Without membrane**

- Design conforms to ASME, section VIII
- Base ring for vertical storage
- Glass level indicator connection at top
- Straps available for hanging installation
- Tanks in galvanized steel are also available

TECHNICAL SPECIFICATIONS

- Steel construction
- Maximum design temperature: 450°F (232°C)
- Maximum design pressure
  - Models 12NA33 to 20NA78: 150 PSI
  - Models 24NA65 to 42NA96: 125 PSI

Models



*The 505 and 525 gallon tanks are not supplied with a base ring

*‡The 525 gallon tanks have an 11"×15" footprint

Model#	Volume		Dimension												Approx. weight	
			A		B		C		D		E		F			
	gal	L	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
12NA33	15	57	12	305	33	838	7	203	8	203	11½	292	1	25	44	20
12NA51	24	91	12	305	51	1295	7	203	8	203	11½	292	1	25	62	28
14NA48	30	114	14	356	48	1219	10	254	10	254	11½	292	1	25	72	33
14NA63	40	151	14	356	63	1600	10	254	10	254	11½	292	1	25	92	42
16NA72	60	227	16	406	72	1829	10	254	12	305	11½	292	1	25	120	54
20NA62	80	303	20	508	62½	1587	10	254	16	406	18	457	1	25	136	62
20NA78	100	379	20	508	78	1981	10	254	16	406	18	457	1	25	168	76
24NA65	120	454	24	610	65	1651	11⅛	283	20	508	18	457	1	25	218	99
24NA72	135	511	24	610	72	1829	11⅛	283	20	508	18	457	1	25	238	108
30NA62	175	662	30	762	62¼	1581	13½	343	22	559	24	610	1½	38	338	153
30NA77	220	833	30	762	77	1956	13½	343	22	559	24	610	1½	38	368	167
30NA84	240	908	30	762	84	2134	13½	343	22	559	24	610	1½	38	394	179
30NA105	305	1155	30	762	105¾	2686	13½	343	22	559	24	610	1½	38	486	220
36NA72	295	1117	36	914	72	1829	14¾	375	28	711	30	762	1½	38	502	227
36NA93	400	1514	36	914	92½	2349	14¾	375	28	711	30	762	1½	38	645	292
36NA120	505*	1912	36	914	120	3048	14¾	375	28	711	n.d.	n.d.	1½	38	810	367
42NA96	525*‡	1987	42	1067	96	2438	18	457	28	711	n.d.	n.d.	1½	38	895	406

POTABLE

BFA SERIES

Fixed bladder **Top connection**

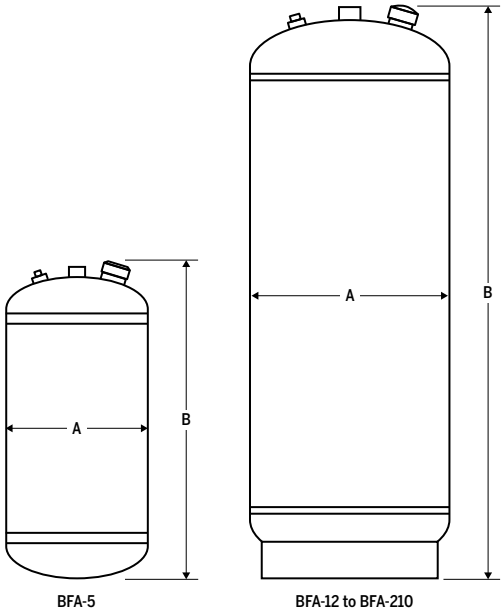
- Construction conforms to ASME, chapter VIII
- Fixed EPDM bladder ultra resistant CSA approved conforms to the NSF61 standard
- Air precharged at factory; pressure adjustable on site
- Water remains permanently separated from air
- Stainless steel connection

TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature of 240°F (115°C)
- Air precharged at factory at 40 PSI (275 kPa)
- Service pressure 150 PSI (1034 kPa)
- Maximum pressure of 175, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



BFA-5 BFA-12 to BFA-210

Model#	Total volume		Acceptance volume		NPT Connection		Dimension				Approx. weight	
							A		B			
	gal	L	gal	L	in	mm	in	mm	in	mm	lb	kg
BFA-5	3.5	13	2.3	9	¾	19	10	254	14	356	22	10
BFA-12	5	19	3.3	12	¾	19	12	305	15	380	28	13
BFA-20	8	30	5.3	20	¾	19	12	305	21	535	34	15
BFA-30	15	57	10	38	1	25	16	406	25	630	64	29
BFA-42	22	83	14.5	55	1	25	16	406	32	810	88	40
BFA-60	26	98	17.5	66	1	25	16	406	35	885	93	42
BFA-80	35	132	23.5	89	1	25	16	406	46	1165	109	49
BFA-100	45	170	30	114	1	25	20	508	39	914	148	67
BFA-125	60	227	40	151	1	25	20	508	50	1270	175	79
BFA-160	70	265	47	178	1½	38	24	610	47	1194	259	117
BFA-180	80	303	53	201	1½	38	24	610	50	1270	268	122
BFA-210	90	341	60	227	1½	38	24	610	53	1346	283	128

EXPAN VIEW

Models **BFA-100 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

POTABLE

TXA SERIES

Replaceable bladder **Bottom connection**

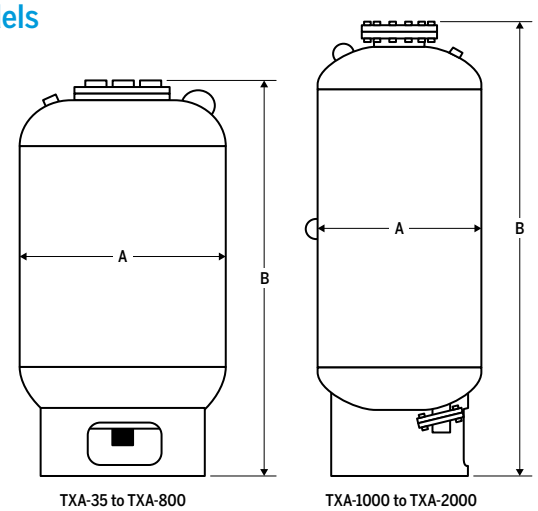
- Construction conforms to ASME Section VIII
- Replaceable EPDM bladder ultra resistant CSA approved conforms to the NSF61 standard
- Water remains permanently separated from air for for the entire duration of the life of the reservoir
- Air precharged at factory; pressure adjustable on site

TECHNICAL SPECIFICATIONS

- Stainless steel connection
- Maximum design temperature: 240°F (115°C)
- Air precharged at factory at 40 PSI
- Maximum design pressure 150 PSI
- Maximum pressure of 175, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



TXA-35 to TXA-800 TXA-1000 to TXA-2000

EXPAN VIEW Models **TXA-200 and higher** are equipped standard with a pressure gauge and the ExpanView tank integrity indicator.

Model#	Total volume		Dimension				NPT Connection		Approx. weight	
			A		B					
	gal	L	in	mm	in	mm	in	mm	lb	kg
TXA-35	10	38	12	305	28	706	1	25	40	18
TXA-50	13	49	12	305	36	918	1	25	50	23
TXA-85	23	87	16	406	37	935	1	25	90	41
TXA-130	35	132	16	406	50	1283	1	25	132	60
TXA-200	53	201	24	610	43	1092	1½	38	220	100
TXA-300	79	299	24	610	55	1397	1½	38	236	107
TXA-400	106	401	30	762	49	1245	1½	38	315	143
TXA-500	132	500	30	762	57	1448	2	51	347	157
TXA-600	158	598	30	762	65	1651	2	51	378	171
TXA-800L	211	799	32	813	76	1930	2	51	503	228
TXA-1000	264	999	36	914	87	2210	3	76	795	360
TXA-1200	317	1200	36	914	98	2489	3	76	820	372
TXA-1400	370	1401	36	914	111	2819	3	76	980	445
TXA-1600	422	1597	48	1219	84	2134	3	76	1395	633
TXA-2000	528	1999	48	1219	96	2438	3	76	1525	692

POTABLE

FTTE-C SERIES

Replaceable bladder **Continuous flow**

The unique design of the FTTE-C promotes mixing of fluids allowing them to cross the tank completely. This movement inside the bladder avoids water stagnation, thus preventing the potential growth of harmful bacteria colonies.

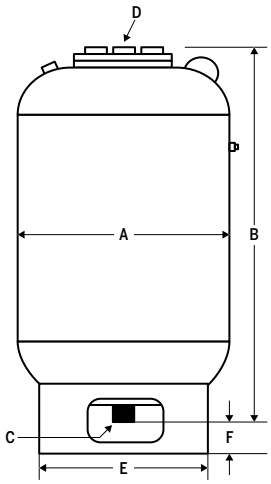
- Shell: carbon steel
- Heads: carbon steel
- Connections: stainless steel
- Butyl bladder ultra resistant NSF approved
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site

TECHNICAL SPECIFICATIONS

- Maximum design temperature: 240°F (115°C)
- Air precharged at factory at 40 PSI
- Maximum design pressure: 150 psig, 200 and 250 psig available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Volume		Dimension				Connection				E		F		Approx. weight	
			A		B		C		D							
	gal	L	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
FTTE-85-C	23	87	16	406	37	940	1	25	1	25	12	305	5¼	133	90	41
FTTE-130-C	35	132	20	508	37	940	1	25	1	25	16	406	5¼	133	132	60
FTTE-200-C	53	201	24	610	43	1092	1½	38	1½	38	20	508	5¼	133	220	100
FTTE-300-C	79	299	24	610	55	1397	1½	38	1½	38	20	508	5¼	133	236	107
FTTE-400-C	106	401	30	762	49	1245	1½	38	1½	38	24	610	5¼	133	315	143
FTTE-500-C	132	500	30	762	57	1448	2	51	2	51	24	610	4¾	121	347	157
FTTE-600-C	158	598	30	762	65	1651	2	51	2	51	24	610	4¾	121	378	171
FTTE-800L-C	211	799	32	813	76	1930	2	51	2	51	28	711	4¾	121	503	228

EXPAN VIEW Equipped with a pressure gauge and the ExpanView tank integrity indicator.

HYDRO-PNEUMATICS

AFX SERIES

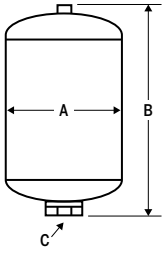
- Replaceable bladder
- Bottom connection

- Design conforms to ASME, section VIII
- Air precharged at factory; pressure adjustable on site
- Ideal for booster systems
- Storage tank for drinking and well water
- FCA approved ultra resistant butyl bladder

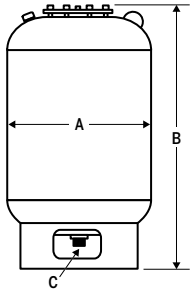
TECHNICAL SPECIFICATIONS

- Exterior finish in painted primer
- Maximum temperature 240°F (115°C)
- Air precharged at factory at 30 PSI
- Standard pressure of 125 PSI

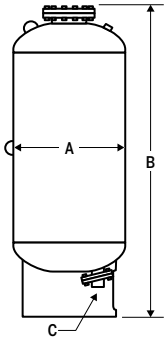
Models



AFX-35 and AFX-50



AFX-85 to AFX-800



AFX-1000 to AFX-5000

Model#	Total volume		Dimension				Connect. NPT		Approx. weight	
			A		B		C			
	gal	L	in	mm	in	mm	in	mm	lb	kg
AFX-35	10	38	12	305	25	635	¾	19	40	18
AFX-50	13	49	14	356	25	635	¾	19	50	23
AFX-85	23	87	16	406	37	940	1	25	90	41
AFX-130	35	133	20	508	37	940	1	25	125	57
AFX-200	53	201	24	610	43	1092	1½	38	210	95
AFX-300	79	299	24	610	55	1397	1½	38	225	102
AFX-400	106	401	30	762	49	1245	1½	38	300	136
AFX-500	132	500	30	762	57	1448	2	51	330	150
AFX-600	158	598	30	762	65	1651	2	51	360	164
AFX-700	185	700	30	762	80	2032	2	51	600	272
AFX-800	211	799	32	813	76	1930	2	51	475	216
AFX-1000	264	999	36	914	82	2083	3	76	735	333
AFX-1200	317	1200	36	914	94	2387	3	76	745	338
AFX-1400	370	1401	36	914	107	2718	3	76	900	408
AFX-1600	422	1597	48	1219	84	2133	3	76	1210	549
AFX-2000	528	1999	48	1219	97	2464	3	76	1305	592
AFX-2500	660	2498	48	1219	116	2946	4	102	1430	649
AFX-3000L	792	2998	48	1219	134	3404	4	102	1575	714
AFX-3000S	792	2998	60	1524	97	2464	4	102	2169	984
AFX-4000	1056	3997	60	1524	123	3124	4	102	2638	1197
AFX-5000	1320	4997	60	1524	146	3708	4	102	3246	1472

HYDRO-PNEUMATICS

SSA SERIES / SHOCK AND SURGE ARRESTORS

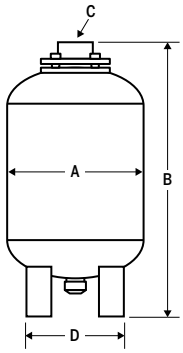
Replaceable bladder **Antishock for potable water**

- Construction conforms to ASME Section VIII
- Water remains permanently separated from air
- Air precharged at factory; pressure adjustable on site
- Effectively control water hammer shock and pump start-up/shut-down water surge
- With large water system connections designed to quickly accept water surge pressures, with minimal pressure drop
- Connection at the bottom for all models except SSA-35 and SSA-50

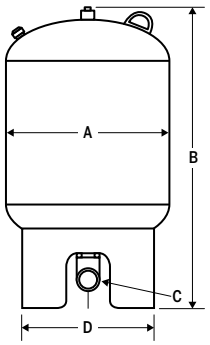
TECHNICAL SPECIFICATIONS

- Ultra resistant butyl bladder
- Maximum design temp.: 240°F (115°C)
- Air precharged at factory at 30 psi
- Maximum design pressure: 250 PSI

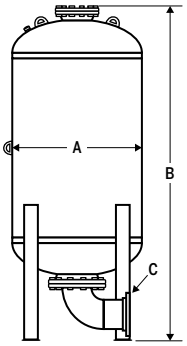
Models



SSA-35 & SSA-50



SSA-130 to SSA-800



SSA-1000 to SSA-2500

Model#	Volume		Dimension								Approx. weight	
			A		B		C		D			
	gal	L	in	mm	in	mm	in	mm	in	mm	lb	kg
SSA-35	10	38	12	305	26	660	2½	64	9	229	55	25
SSA-50	13	49	14	356	26	660	2½	64	10	254	65	30
SSA-85	23	87	16	406	30½	775	3	76	12	305	134	61
SSA-130	35	132	20	508	30½	775	3	76	16	406	175	79
SSA-200	53	201	24	610	46½	1181	4	102	20	508	250	113
SSA-300	79	299	24	610	58½	1486	4	102	20	508	341	155
SSA-400	106	401	30	762	52½	1334	4	102	24	610	430	195
SSA-500	132	500	30	762	63	1600	6	152	24	610	596	270
SSA-600	158	598	30	762	71	1803	6	152	24	610	653	296
SSA-700	185	700	30	762	81½	2070	6	152	24	610	726	329
SSA-800	211	799	32	813	82	2083	6	152	26	660	902	409
SSA-1000	264	999	36	914	85	2159	10	254	–	–	1147	520
SSA-1200	317	1199	36	914	107	2718	10	254	–	–	1303	591
SSA-1400	370	1401	36	914	119	3023	10	254	–	–	1447	656
SSA-1600	422	1597	48	1219	92	2337	10	254	–	–	1888	856
SSA-2000	528	1999	48	1219	105	2667	10	254	–	–	2105	955
SSA-2500	660	2498	48	1219	122	3099	10	254	–	–	2425	1100

HYDRO-PNEUMATICS

ABM SERIES / MUNICIPAL HAMMER ARRESTORS

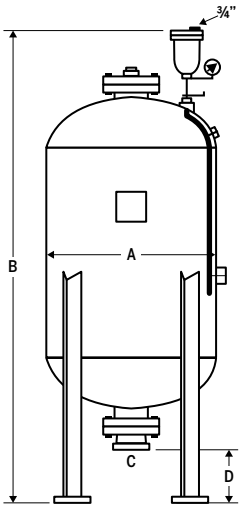
Replaceable bladder

- Design conforms to ASME, section VIII
- For use in wastewater systems
- Equipped with a biogas vent and manometer
- Heavy duty butyl bladder

TECHNICAL SPECIFICATIONS

- Maximum temperature: 240°F (115°C)
- Maximum design pressure: 150 PSI

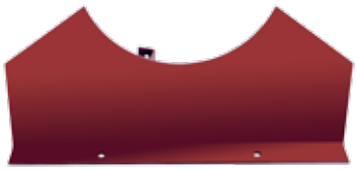
Models



Model#	Total volume		Dimension								Approx. weight	
			A		B		C		D			
	gal	L	in	mm	in	mm	in	mm	in	mm	lb	kg
ABM-160	43	163	24	610	60	1524	6	152	12	305	250	114
ABM-250	66	250	24	610	72	1829	6	152	12	305	300	136
ABM-400	106	401	24	610	98	2489	8	203	16	406	365	166
ABM-600	158	598	30	760	96	2438	8	203	16	406	590	268
ABM-1000	264	999	36	914	101	2565	10	254	24	610	900	409
ABM-1600	423	1601	48	1220	105	2667	12	305	30	760	1610	731
ABM-2000	528	1999	48	1220	119	3023	12	305	30	760	1810	823

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

ACCESSORIES



Saddles

For horizontal installation on the floor.

Model#	Diameter
SAD12	12”
SAD14	14”
SAD16	16”
SAD18	18”
SAD20	20”
SAD24	24”
SAD30	30”
SAD36	36”
SAD48	48”

Straps

Straps to attach the tank

Model#	Diameter
STRAP12	12”
STRAP14	14”
STRAP16	16”
STRAP18	18”
STRAP20	20”
STRAP24	24”
STRAP30	30”
STRAP36	36”
STRAP48	48”

Anti-Seismic Brackets

The anti-seismic brackets are designed to protect the tanks in case of an earthquake.

Model#	Diameter
BKT2	2”
BKT4	4”

VENTS, AIR, DIRT AND HYDRAULIC SEPARATORS

ASME AIR SEPARATORS

ASME AIR AND DIRT SEPARATORS

HYDRAULIC SEPARATORS

AIR SEPARATOR CAL-X-TRACT

Industrial Vents

Calefactio's industrial vents reduce the accumulation of air in the systems while improving their efficiency. Installed at high points in your piping system, the industrial vents eliminate air pockets, providing an inexpensive method to reduce air pressure in the system.

Model#	Connection	Maximum pressure	Maximum temperature	Inlet	Outlet	Weight	
						lb	kg
MV15	¾" FNPT	150 PSI 1034 kPa	250°F 121°C	¾" NPT	½" NPT	5.5	2.5

MV15

Automatic Brass Vents

Calefactio's automatic brass vents evacuate trapped air to restore optimal functioning of the installation. They are made of solid brass able to resist high temperatures up to 120°C/248°F. These vents evacuate the air laterally reducing the accumulation of foreign bodies in the seat.

Model#	Connection	Pressure	Dimension		Weight	
			Width	Height	lb	kg
R8818	⅛" MNPT	150 PSI	1¾"	2"	0.24	0.11
R8814	¼" MNPT	150 PSI	1¾"	2"	0.25	0.11
R8812	½" MNPT	150 PSI	1¾"	2¼"	0.22	0.10

R8818-R8814

R8812

Coin or Key Air Valves

Air valves are designed to reduce the operating frequency of the burner in hydronic and vapour heating systems to save energy. They are made of anticorrosive material and offer a waterproof closure.

Model#	Connection	Description	Weight	
			lb	kg
HG9	⅛" MNPT	Room ventilation	1.1/50 units	0.5/50 units
HG10	⅛" MNPT	Keyed vent	1.1/50 units	0.5/50 units
HKEY	n/a	Key for HG10 and HG14	0.66/50 units	0.3/50 units
HG14	⅛" MNPT	20" Keyed valve and tube assembly	0.22	0.10
HG14A	⅛" MNPT	20" Keyed valve and tube assembly	0.22	0.10

HG9

HG14

Air Purgers

Air purgers mounted at the high points of the piping eliminate air pockets as soon as they form. In addition, by design and fabrication of superior quality, these cast devices offer you quality on which you can count for years as well as an operation without maintenance or breakdown.

Model#	Connection	Weight	
		lb	kg
P100	1"	7.48	3.4
P125	1¼"	6.82	3.1
P200	2	14.1	6.4
P300	3"	29.5	13.4

P100-125

P300

CALVENT

AUTOMATIC AIR VENT

Technical Specifications

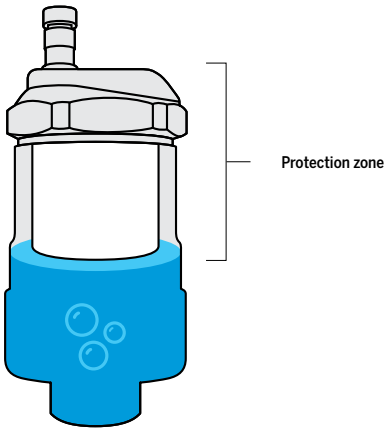
- **Material**
  Body: brass
  Cover: brass
  Float: polypropylene
  Float guide: brass
  Float linkage: stainless steel
  O-ring: EPDM

- **Adapted fluids**
  Water and 50 % glycol solution

Advantages

- Float guided by a tree
- Easy to disassemble hexagonal head for cleaning and maintenance
- Enhances heating systems efficiency
- A system without air allows full contact between the liquid and transfer surfaces offering an optimized temperature control
- Limits system components' corrosion

Model#	Connection	Maximum operation pressure	Temp. range		A		B		Weight	
			°C	°F	in	mm	in	mm	lb	kg
CV050	½" FNPT × ¾" MNPT	150 PSI	0-121	32-250	2¼	56	5⅓	136	1.6	0.73



Protection Zone

Its design, including a bulge of the upper part, allows evacuation of large amounts of air at each start up but also protects the valve from possible contamination since the air chamber of the automatic vent is surmounted by a smaller chamber.

By increasing the distance between the water level and the deaeration valve, it reduces the chances of contact between the valve and the liquid as well as all other particles or contaminants present in the liquid which would prevent proper functioning of the valve.

CAL-X-TRACT

The Cal-X-Tract air separators from Calefactio are equipped with a coalescent brush-type media made of stainless steel, a Calvent automatic float vent and designed with an oversized case that gives them very high efficiency. Their function is to remove air from hydronic heating systems, enabling better energy efficiency and reducing the frequency of sometimes costly maintenance. Their robust design allows them to maintain their efficiency during the entire useful life of the system.

OPERATION

By the entrainment effect of the heat-carrying liquid, the microbubbles are transported and caught on the coalescent media. They fuse to become larger and then detach and head to the upper part of the separator where they are released via the Calvent automatic air vent.

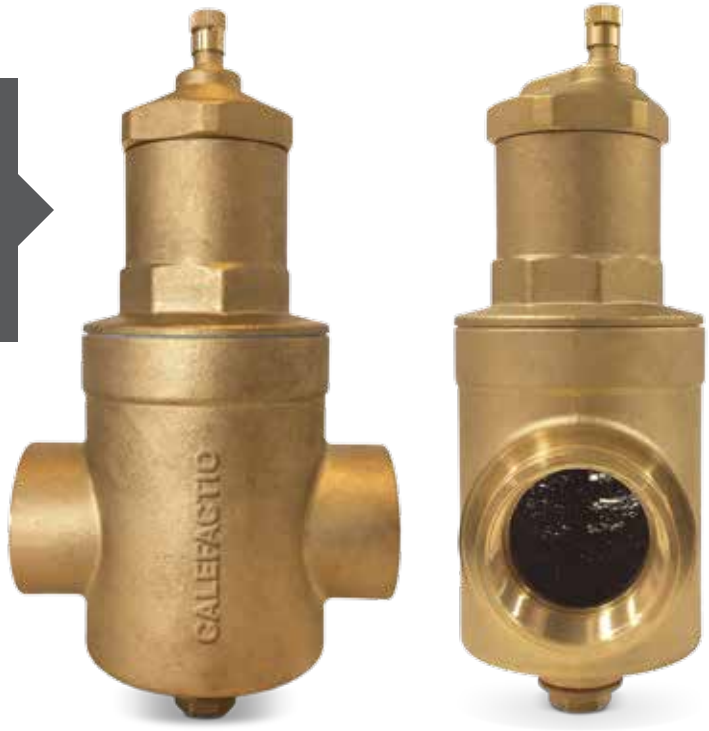
Advantages

- Supplied with a Calvent automatic air vent
- Anti-obstruction vent (the head is designed to remain dry and clean, reducing the risk of obstructions)
- Equipped with a ½" NPT service port installed at the base of the device
- Brush-type coalescent media designed for catching micro-bubbles while maintaining constant flow
- Reduces the risks of cavitation of the pump and of rust from oxygen
- Improves the efficiency of the system

Model#	Connection		Weight	
	Size	Type	lb	kg
CXT-075N	¾"	NPT	3.75	1.7
CXT-100N	1"	NPT	4.0	1.8
CXT-125N	1¼"	NPT	4.0	1.8
CXT-150N	1½"	NPT	4.4	2.0
CXT-200N	2"	NPT	4.2	1.9
CXT-075S	¾"	Sweat	3.75	1.7
CXT-100S	1"	Sweat	4.0	1.8
CXT-125S	1¼"	Sweat	3.75	1.7
CXT-150S	1½"	Sweat	4.6	2.1
CXT-200S	2"	Sweat	4.6	2.1
CXT-075P	¾"	Press	4.2	1.9
CXT-100P	1"	Press	4.5	2.1
CXT-125P	1¼"	Press	4.9	2.2
CXT-150P	1½"	Press	5.7	2.6
CXT-200P	2"	Press	6.2	2.8

TECHNICAL SPECIFICATIONS

- Coalescent media: 316 stainless steel
- Connections: NPT, Sweat or Press, ¾" to 2"
- Body: brass
- Adapted fluids: water and 50% glycol solution
- Maximum temperature: 120°C (250°F)
- Maximum design pressure: 150 PSI

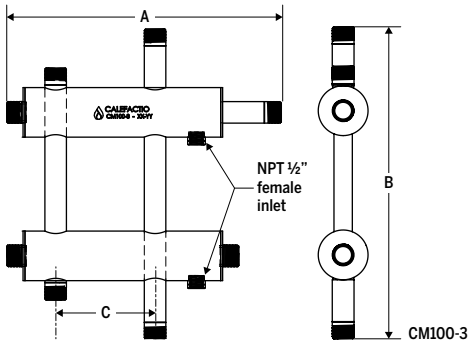


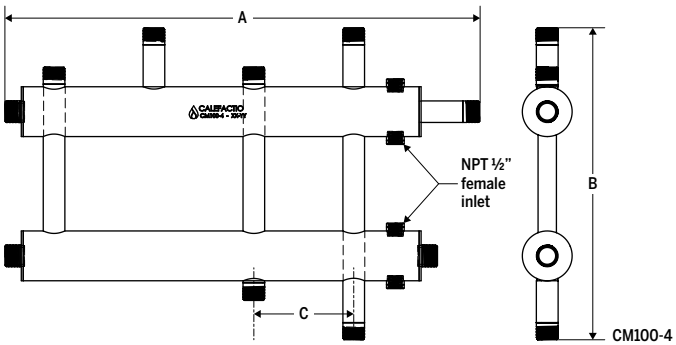
HEATING DISTRIBUTION MANIFOLD / CALMAN

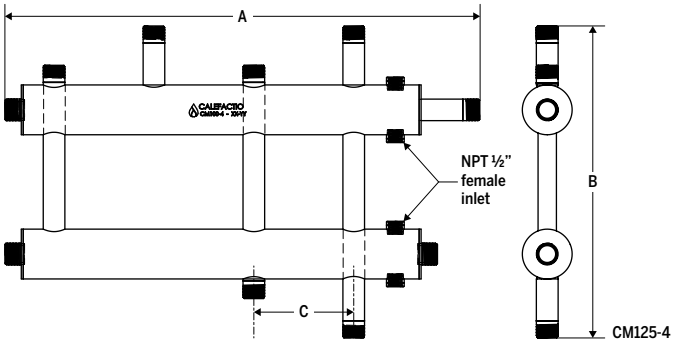
The Calman distribution manifold which allows the user to connect all the heating zones in a single point. The Calman heat distribution manifold guarantees a uniform temperature of heat carrying liquid in each zone while increasing time and money savings because it is only necessary to install one item rather than a large number of elbows and tees in order to create the required zones.

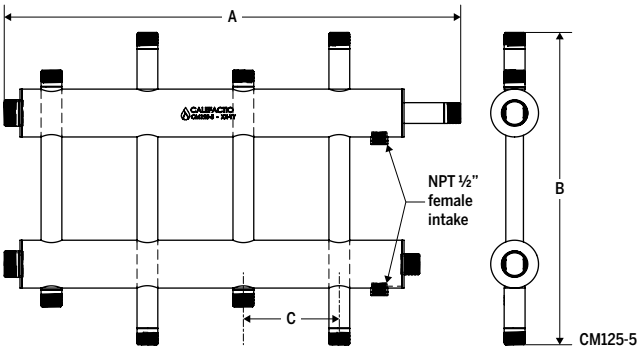
TECHNICAL SPECIFICATIONS

- Maximum temperature: 100°C (212°F)
- Maximum design pressure: 150 PSI
- Zone connections: 1 in
- Steel frame
- Drainage valve included









Benefits

- Guarantees a uniform temperature
- Saves time and money
- Reduces the number of potential leak points
- Sufficient space planned to accept pumps between each zone
- Connects directly to the Calbalance hydraulic separator

Model#	Connect.	Zones	A		B		C		Weight	
			in	mm	in	mm	in	mm	lb	kg
CM100-3	1"	3	16½	421	18¾	476	6	152.4	3.75	1.7
CM100-4	1"	4	28½	725	18¾	476	6	152.4	4.0	1.8
CM125-4	1¼"	4	28½	725	18¾	476	6	152.4	4.0	1.8
CM125-5	1¼"	5	28½	725	18¾	476	6	152.4	4.4	2.0

*Sold together or individually.

HYDRAULIC SEPARATORS

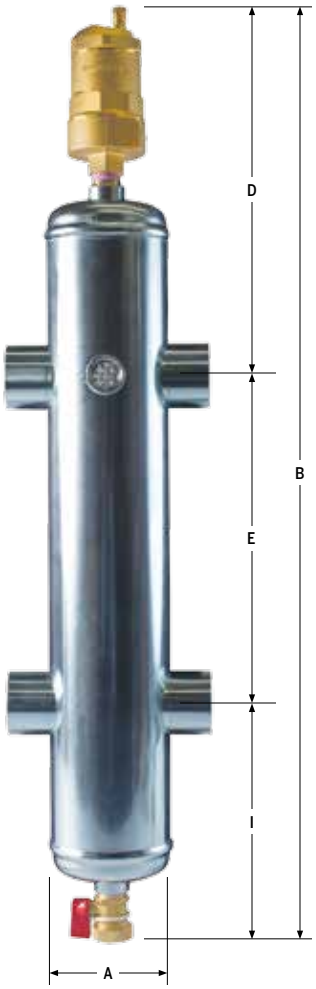
CALBALANCE NPT

Technical Specifications

- Equipped with a Calvent automatic air vent (#CV050)
- Separates air and dirt
- Offered with drainage valve (#DV12)
- Housing in zinc plated steel
- Wall support included
- Maximum operating pressure: 150 PSI
- Maximum operating temperature: 100°C (212°F)
- Adapted fluids: water and 50% glycol solution

Benefits

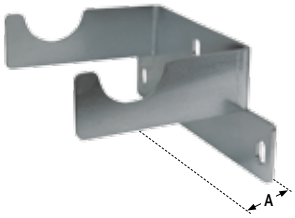
- Simple to install
- Easy maintenance
- ½" FNPT thermometer port
- Eliminates the need to install an automatic vent and a dirt separator
- Reduces energy consumption as the pumps are only used in required zones



Calbalance NPT

Model#	Connect. FNPT	Flow		Dimension										Approx. weight	
				A		B		D		E		I			
	in	GPM	m³/h	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
CB100	1	11	2.5	3	76	26	660	10½	267	8⅝	220	6¾	172	8.4	3.8
CB125	1¼	18	4	3½	89	28	710	11¼	282	9½	240	7⅜	188	10.6	4.9
CB150	1½	26	6	4½	114	30	760	11¾	298	10¼	260	8	203	14.5	6.6
CB200	2	39	9	5½	140	32	810	11¾	298	11⅞	300	8⅜	213	19.8	8.9

INCLUDED



Wall Support

For the Calbalance NPT model	A*		Weight	
	in	mm	lb	kg
CB100	2⅞	73	8.4	3.8
CB125	3⅜	86	10.6	4.8
CB150	3⅞	98	14.5	6.6
CB200	4⅜	111	19.8	9.0

*Distance to the centre of the wall.

ACCESSORIES

Available with preformed polyurethane insulation to minimize heat loss

Preformed Insulation

Model#	Description	Weight	
		lb	kg
CB100-FOAM	For CB100	0.44	0.2
CB125-FOAM	For CB125	0.44	0.2
CB150-FOAM	For CB150	0.66	0.3
CB200-FOAM	For CB200	0.66	0.3

HYDRAULIC SEPARATORS

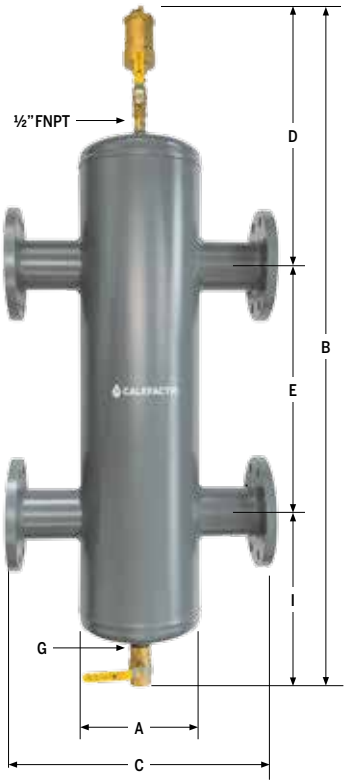
CALBALANCE WITH FLANGE

Technical Specifications

- Equipped with a Calvent automatic air vent (#CV050)
- Separate air with baffles
- Casing in carbonized steel
- Adapted fluids: water and 50% glycol solution
- Models with connections of 6 in or greater supplied on stand

Advantages

- Simple to install
- Easy to maintain
- Supplied with a drain valve
- Reduces energy consumption as the pumps are only used in required zones
- Eliminates the need to install an automatic air vent and a dirt separator



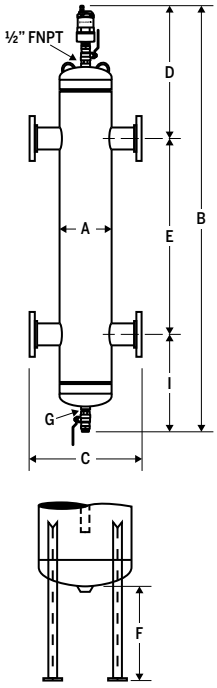
Calbalance with Flange – Non-ASME Models

- Maximum operating pressure: 10 bar/150 PSI
- Operating temperature: 0-132°C/32-270°F

Model#	Conn.	Flow		Dimension												Approx. weight	
				A		B		C		D		E		G	I		
	in	GPM	m³/h	in	mm	in	mm	in	mm	in	mm	in	mm	in	in	mm	lb	kg
CB250F	2½	88	20	6⅝	168	41¼	1049	350	13¾	15¼	388	13	330	1	13	331	60	27
CB300F	3	132	30	8⅝	219	43 3/16	1147	467	18⅜	14⅞	377	17¾	450	1	12⅝	320	75	34
CB400F	4	255	58	8⅝	219	43 3/16	1147	18⅜	467	14⅞	377	17¾	450	1	12⅝	320	84	38

Calbalance with Flange – ASME Models

- Maximum operating pressure: 10 bar/150 PSI (200 & 250 PSI/13 & 17 bar available)
- Operating temperature: 0°C-232°C/32°F-450°F

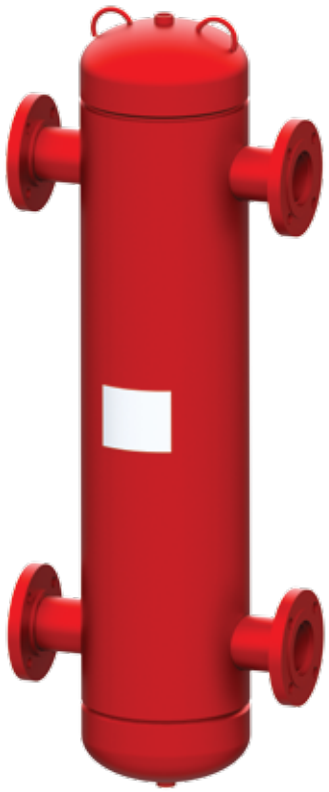


Model#	Conn.	Flow		Dimension														Approx. weight	
				A		B		C		D		E		F		G	I		
	in	GPM	m³/h	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	in	mm	lb	kg
CB200A	2	34	7.7	6⅝	168	44¾	1137	14¾	375	14¾	375	20¾	527				9	235	90	41
CB250A	2½	90	20.4	6⅝	168	49¾	1264	14¾	375	15¼	387	24¾	628			½	10	248	115	52
CB300A	3	130	29	10¾	273	60	1524	18¾	476	17⅜	441	30¾	781	–	–		12	302	225	102
CB400A	4	255	58	10¾	273	81¼	2064	22¾	578	23	584	40¼	1022				18	457	330	150
CB500A	5	398	90	14	356	91½	2324	26	660	23	584	50½	1283				18	457	415	188
CB600A	6	570	129	18	457	104¾	2661	30	762	24½	622	60¾	1643				20	495	420	191
CB800A	8	945	214	24	610	133¾	3397	36	914	29⅜	746	80	2032				24	619	575	261
CB1000A	10	1440	326	30	762	160¼	4070	42	1067	32½	826	100¼	2546				28	699	935	424
CB1200A	12	2100	476	30	762	192	4877	42	1067	38	965	119½	3035	14	356		35	876	1165	528
CB1400A	14	2550	578	42	1067	211¾	5378	54	1371	42	1067	131¼	3334			2	39	978	2430	1102
CB1600A	16	3330	748	48	1220	236¾	6013	60	1524	45⅛	1146	150	3810				42	1057	3260	1479

HYDRAULIC SEPARATORS

CALBALANCE WITH FLANGE AND ASME AIR & DIRT SEPARATOR

- Design conforms to ASME, section VIII
- Separates air and dirt
- Adapted fluids: water and 50% glycol solution
- Equipped with a Calvent automatic air vent (#CV050)
- Supplied with a drainage valve
- Models with connection of 6 in or more supplied on stand
- Simple to install
- Easy maintenance
- Reduces energy consumption as the pumps are only used in required zones

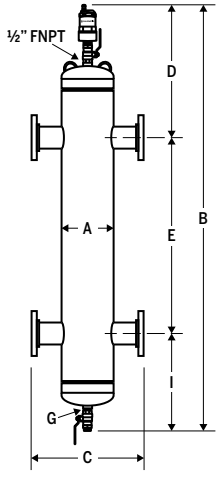


TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Carbonized steel housing
- Maximum design temperature: 232°C (450°F)
- Maximum operating pressure: 10 bar/150 PSI
- Pressure of 200 and 250 psig also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Conn.	Flow		Dimension														Approx. weight	
				A		B		C		D		E		F		G	I		
	in	GPM	LPM	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	in	mm	lb	kg
CB200AV	2	69	261	6⅝	168	44¾	1137	14¾	375	14¾	375	20¾	527	–	–	½	9	235	90	41
CB250AV	2½	108	409	6⅝	168	49¾	1264	14¾	375	15¼	387	24¾	629	–	–	½	10	248	115	52
CB300AV	3	144	545	10¾	273	60	1524	18¾	476	17⅜	441	30¾	781	–	–	½	12	302	225	102
CB400AV	4	255	965	10¾	273	81¼	2064	22¾	578	23	584	40¼	1022	–	–	1	18	457	330	150
CB500AV	5	398	1507	14	356	91½	2324	26	660	23	584	50½	1283	–	–	1	18	457	415	189
CB600AV	6	570	2158	18	457	104¾	2661	30	762	24½	622	60¾	1543	14	356	1	20	495	420	191
CB800AV	8	945	3577	24	610	133¾	3397	36	914	29⅜	746	80	2032	14	356	1	24	619	575	261
CB1000AV	10	1440	5451	30	762	160¼	4070	42	1067	32½	826	100¼	2546	14	356	1	28	699	935	425
CB1200AV	12	2100	7949	30	762	192	4877	42	1067	38	965	119½	3035	14	356	2	35	876	1165	530
CB1400AV	14	2550	9653	42	1067	211¾	5378	54	1372	42	1067	131¼	3334	14	356	2	39	978	2430	1105
CB1600AV	16	3300	12492	48	1219	236¾	6013	60	1524	45⅛	1146	150	3810	14	356	2	42	1057	3260	1482

HYDRAULIC SEPARATORS

ASME CALBALANCE WITH FLANGE AND AIR & DIRT SEPARATOR / REPLACEABLE INTERNAL

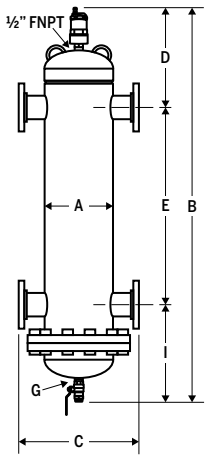
- Design conforms to ASME, section VIII
- Separates air and dirt
- Adapted fluids: water and 50% glycol solution
- Equipped with a Calvent automatic vent (#CV050)
- Supplied with a drain valve
- 6" or larger connection models supplied on stand
- Simple to install
- Easy maintenance
- Reduces energy consumption as the pumps are only used in required zones

TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Carbonized steel housing
- Maximum design temperature: 232°C (450°F)
- Maximum operating pressure: 10 bar/150 PSI
- Pressure of 200 and 250 psig also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Conn.	Flow		Dimension														Approx. weight	
				A		B		C		D		E		F		G	I		
	in	GPM	LPM	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	in	mm	lb	kg
CB200AVR	2	69	261	6⅝	168	44¾	1137	14¾	375	14¾	375	20¾	527	–	–	½	9	235	162	74
CB250AVR	2½	108	409	6⅝	168	49¾	1264	14¾	375	15¼	387	24¾	629	–	–	½	10	248	187	85
CB300AVR	3	144	545	10¾	273	60	1524	18¾	476	17⅜	441	30¾	781	–	–	½	12	302	354	161
CB400AVR	4	255	965	10¾	273	81¼	2064	22¾	578	23	584	40¼	1022	–	–	1	18	457	464	211
CB500AVR	5	398	1507	14	356	91½	2324	26	660	23	584	50½	1283	–	–	1	18	457	544	247
CB600AVR	6	570	2158	18	457	104¾	2661	30	762	24½	622	60¾	1543	14	356	1	20	495	625	284
CB800AVR	8	945	3577	24	610	133¾	3397	36	914	29⅜	746	80	2032	14	356	1	24	619	1075	489
CB1000AVR	10	1440	5451	30	762	160¼	4070	42	1067	32½	826	100¼	2546	14	356	1	28	699	1733	788
CB1200AVR	12	2100	7949	30	762	192	4877	42	1067	38	965	119½	3035	14	356	2	35	876	1988	904
CB1400AVR	14	2550	9653	42	1067	211¾	5378	54	1372	42	1067	131¼	3334	14	356	2	39	978	4138	1881
CB1600AVR	16	3300	12492	48	1219	236¾	6013	60	1524	45⅛	1146	150	3810	14	356	2	42	1057	5142	2337

TANGENTIELS AIR SEPARATORS

ESPA / WITHOUT STRAINER

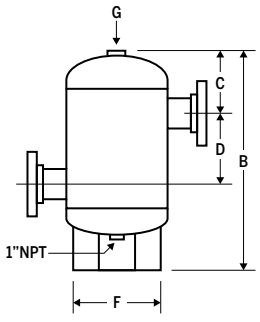
- Design conforms to ASME, section VIII
- Ideal for heating or cooling installations in open or closed loop
- Separate air
- Adapted fluids: water and 50% glycol solution

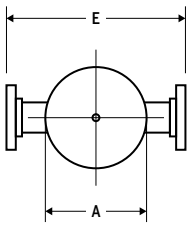
TECHNICAL SPECIFICATIONS

- Carbonized steel housing
- Exterior finish in painted primer
- Maximum temperature: 232°C (450°F)
- Maximum service pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models





Model#	Max GPM	Connection		Type	Dimension														Approx. weight	
					A		B		C		D		E		F		G			
		in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
ESPA-2	56	2	51	NPT	12	305	22½	572	5½	140	8½	216	16⅝	422	9½	241	1¼	32	50	23
ESPA-2.5	90	2½	64	NPT	12	305	22½	572	5½	140	8½	216	16⅝	422	9½	241	1¼	32	55	25
ESPA-3	190	3	76	CLAMPED	12	305	22½	572	5¾	146	8	203	19¾	502	9½	241	1¼	32	60	27
ESPA-4	300	4	102	CLAMPED	14	356	32	813	9⅛	232	10¾	273	21¾	552	11½	292	1½	38	90	41
ESPA-5	530	5	127	CLAMPED	14	356	32	813	9⅛	232	10¾	273	21¾	552	11½	292	1½	38	148	67
ESPA-6	850	6	152	CLAMPED	20	508	44	1118	13¼	337	14½	368	28	711	18	457	2	51	191	87
ESPA-8	1900	8	203	CLAMPED	20	508	44	1118	13¼	337	14½	368	28	711	18	457	2	51	379	172
ESPA-10	3600	10	254	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	598	271
ESPA-12	4800	12	305	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	947	430
ESPA-14	6100	14	356	CLAMPED	36	914	78	1981	22	559	31½	800	46⅜	1178	30	762	2	51	1680	762
ESPA-16	8000	16	406	CLAMPED	48	1219	108	2743	30	762	40	1016	60	1524	38	965	2	51	2300	1043
ESPA-18	9700	18	457	CLAMPED	54	1371	124	3150	33	838	50	1270	66	1676	44	1118	2	51	3235	1467
ESPA-20	12000	20	508	CLAMPED	60	1524	137	3480	35	889	60	1524	72	1829	50	1270	2	51	5100	2313
ESPA-22	15000	22	559	CLAMPED	66	1676	150	3810	38	965	66	1676	78	1981	56	1422	2	51	6150	2790
ESPA-24	17000	24	610	CLAMPED	66	1676	150	3810	38	965	66	1676	80	1270	56	1422	2	51	6400	2903

TANGENTIEL AIR SEPARATORS

ESPA-S / WITH STRAINER

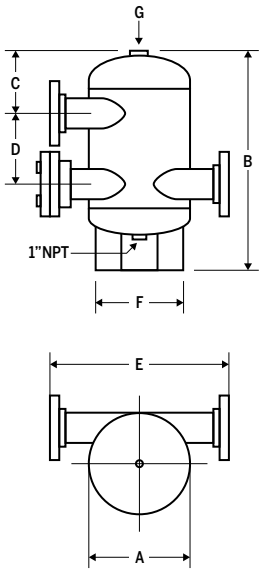
- Design conforms to ASME, section VIII
- Ideal for heating or cooling installations in open or closed loop
- Separate air
- With strainer allowing debris retention
- Adapted fluids: water and 50% glycol solution

TECHNICAL SPECIFICATIONS

- Carbonized steel housing
- Exterior finish in painted primer
- Maximum temperature: 232°C (450°F)
- Maximum service pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models

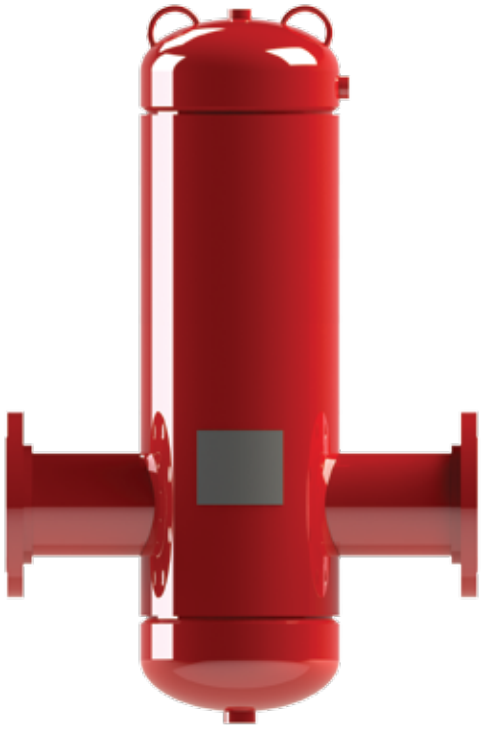


Model#	Max GPM	Connection		Type	Dimension														Approx. weight	
					A		B		C		D		E		F		G			
		in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
ESPA-2S	56	2	51	NPT	12	305	22½	572	5½	140	8½	216	16⅝	422	9½	241	1¼	32	55	25
ESPA-2.5S	90	2½	64	NPT	12	305	22½	572	5½	140	8½	216	16⅝	422	9½	241	1¼	32	61	28
ESPA-3S	190	3	76	CLAMPED	12	305	22½	572	5¾	146	8	203	19¾	502	9½	241	1¼	32	66	30
ESPA-4S	300	4	102	CLAMPED	14	356	32	813	9⅛	232	10¾	273	21¾	552	11½	292	1½	38	99	45
ESPA-5S	530	5	127	CLAMPED	14	356	32	813	9⅛	232	10¾	273	21¾	552	11½	292	1½	38	163	74
ESPA-6S	850	6	152	CLAMPED	20	508	44	1118	13¼	337	14½	368	28	711	18	457	2	51	210	95
ESPA-8S	1900	8	203	CLAMPED	20	508	44	1118	13¼	337	14½	368	28	711	18	457	2	51	417	189
ESPA-10S	3600	10	254	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	658	298
ESPA-12S	4800	12	305	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	1042	473
ESPA-14S	6100	14	356	CLAMPED	36	914	78	1981	22	559	31½	800	46⅜	1178	30	762	2	51	1848	838
ESPA-16S	8000	16	406	CLAMPED	48	1219	108	2743	30	762	40	1016	60	1524	38	965	2	51	2530	1148
ESPA-18S	9700	18	457	CLAMPED	54	1371	124	3150	33	838	50	1270	66	1676	44	1118	2	51	3559	1614
ESPA-20S	12000	20	508	CLAMPED	60	1524	137	3480	35	889	60	1524	72	1829	50	1270	2	51	5610	2545
ESPA-22S	15000	22	559	CLAMPED	66	1676	150	3810	38	965	66	1676	78	1981	56	1422	2	51	6765	3068
ESPA-24S	17000	24	610	CLAMPED	72	1829	150	3810	38	965	66	1676	78	1981	56	1422	2	51	7931	3597

COALESCENT AIR SEPARATORS

EWVAA

- Design conforms to ASME, section VIII
- Equipped with a Calvent automatic vent (#CV050)
- Supplied with a drainage valve



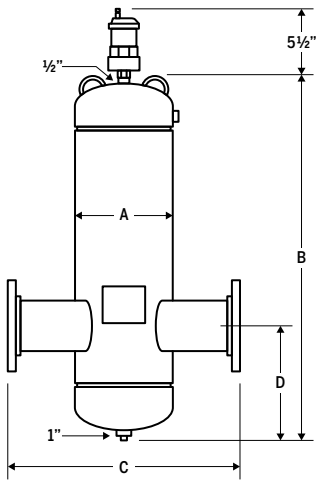
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: brass*
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models

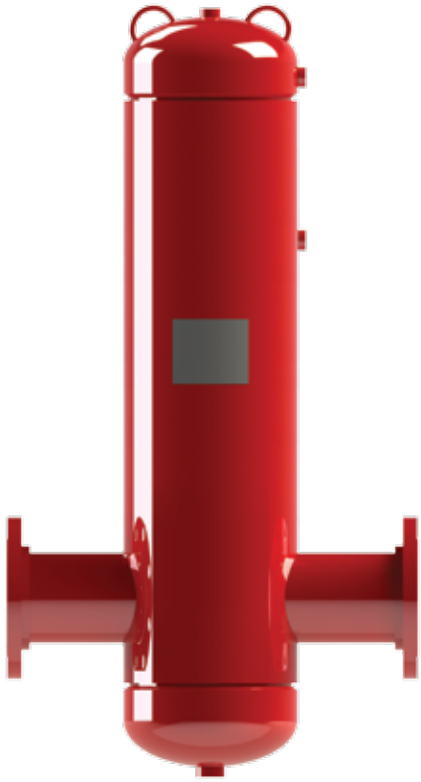


Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAA-2	2	51	69	261	4	102	18½	470	15¼	387	7	178	35	16
EWVAA-2NPT	2	51	69	261	4	102	18½	470	10⅜	264	7	178	26	12
EWVAA-2.5	2½	64	108	409	5	127	18½	470	15¾	400	7	178	61	28
EWVAA-2.5NPT	2½	64	108	409	5	127	18½	470	11	279	7	178	38	17
EWVAA-3	3	76	144	545	6	152	23	584	20¼	514	8½	216	71	32
EWVAA-3NPT	3	76	144	545	6	152	23	584	12½	318	8½	216	56	25
EWVAA-4	4	102	255	965	8	203	23	584	20⅝	524	8½	216	105	48
EWVAA-5	5	127	398	1507	10	254	31	787	27¾	705	11½	292	92	42
EWVAA-6	6	152	570	2158	12	305	31	787	27¾	705	11½	292	129	59
EWVAA-8	8	203	945	3577	16	406	36	914	33⅜	854	11½	292	225	102
EWVAA-10	10	254	1440	5451	20	508	46	1168	37½	953	13½	343	375	170
EWVAA-12	12	305	2100	7949	24	610	54	1372	42½	1080	16	406	564	256

COALESCENT AIR SEPARATORS

EWVAA-HV / HIGH VELOCITY

- Design conforms to ASME, section VIII
- High velocity
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drainage valve



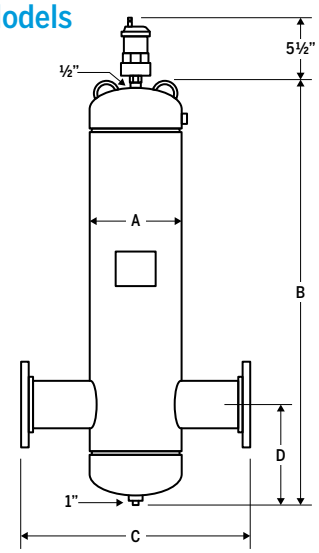
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: brass*
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAA-2HV	2	51	105	397	4	102	23	584	15¼	387	6½	165	40	18
EWVAA-2HV-NPT	2	51	105	397	4	102	23	584	10⅜	264	6½	165	31	14
EWVAA-2.5HV	2½	64	155	587	5	127	23	584	15¾	400	6½	165	68	31
EWVAA-2.5HV-NPT	2½	64	155	587	5	127	23	584	11	279	6½	165	45	20
EWVAA-3HV	3	76	225	852	6	152	30	762	20¼	514	9	229	82	37
EWVAA-3HV-NPT	3	76	225	852	6	152	30	762	12½	318	9	229	68	31
EWVAA-4HV	4	102	405	1533	8	203	30	762	20⅝	524	9	229	122	55
EWVAA-5HV	5	127	630	2385	10	254	41	1041	27¾	705	11½	292	128	58
EWVAA-6HV	6	152	910	3445	12	305	41	1041	27¾	705	11½	292	140	64
EWVAA-8HV	8	203	1610	6094	16	406	49	1245	33⅝	854	11½	292	245	111
EWVAA-10HV	10	254	2450	9274	20	508	60	1524	37½	953	14	356	407	185
EWVAA-12HV	12	305	3500	13249	24	610	71	1803	42½	1080	16	406	612	278

COALESCENT AIR AND DIRT SEPARATORS

EWVA / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- The media can be removed for maintenance or replacement
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drainage valve

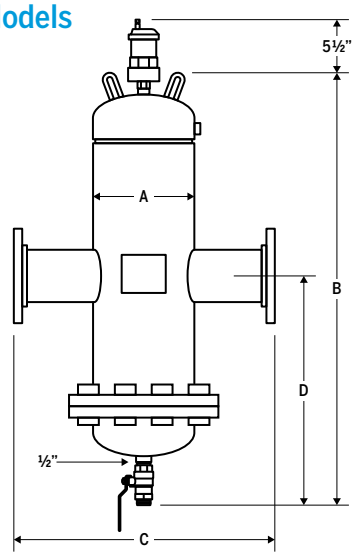
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVA-2	2	51	46	174	9	229	23	584	15¼	387	11½	292	100	45
EWVA-2 NPT	2	51	46	174	9	229	23	584	10⅜	264	11½	292	90	41
EWVA-2.5	2½	64	72	273	10	254	23	584	15¾	400	11½	292	125	57
EWVA-2.5 NPT	2½	64	72	273	10	254	23	584	11	279	11½	292	115	52
EWVA-3	3	76	96	363	11	279	29	737	20¼	514	14½	368	150	68
EWVA-3 NPT	3	76	96	363	11	279	29	737	12½	318	14½	368	130	59
EWVA-4	4	102	170	644	13½	343	29	737	20⅝	524	14½	368	250	113
EWVA-5	5	127	265	1003	16	406	39	991	27¾	705	19½	495	310	141
EWVA-6	6	152	380	1438	19	483	39	991	27¾	705	19½	495	375	170
EWVA-8	8	203	630	2385	23½	597	49	1245	35⅝	905	24½	622	700	318
EWVA-10	10	254	960	3634	27½	699	65	1651	37½	953	32½	826	1000	454
EWVA-12	12	305	1400	5300	32	813	76	1930	42½	1080	38	965	1500	680

COALESCENT AIR AND DIRT SEPARATORS

EWVA-HV / HIGH VELOCITY / REPLACEABLE MEDIA

- Design conforms to ASME, section VIII
- High velocity
- The media can be removed for maintenance or replacement
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with a drainage valve

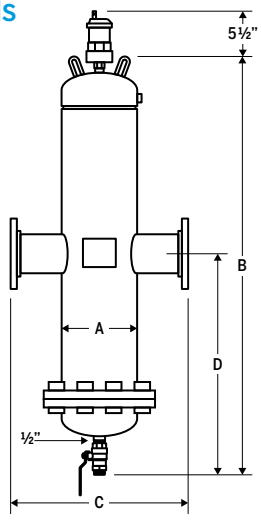
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 175, 200, 250 and 300 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVA-2-HV	2	51	105	397	4	102	33	838	15¼	387	16½	419	76	35
EWVA-2.5-HV	2½	64	155	587	5	127	33	838	15¼	387	16½	419	99	45
EWVA-3-HV	3	76	225	852	6	152	42	1067	20¼	514	21	533	139	64
EWVA-4-HV	4	102	405	1533	8	203	42	1067	20⅝	524	21	533	219	99
EWVA-5-HV	5	127	630	2385	10	254	59	1499	27¾	705	29½	749	236	107
EWVA-6-HV	6	152	910	3445	12	305	59	1499	27¾	705	29½	749	405	184
EWVA-8-HV	8	203	1610	6095	16	406	75	1905	33⅝	854	37½	953	639	290
EWVA-10-HV	10	254	2450	9274	20	508	92	2337	37½	953	46	1168	1045	474
EWVA-12-HV	12	305	3500	13249	24	610	110	2794	42½	1080	55	1397	1630	739
EWVA-14-HV	14	356	4800	18170	30	762	110	2794	48	1219	55	1397	2400	1087
EWVA-16-HV	16	406	6250	23659	32	813	110	2794	48	1219	55	1397	3000	1361

COALESCENT AIR AND DIRT SEPARATORS

EWVAN

- Design conforms to ASME, section VIII
- Non-replaceable media
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drainage valve

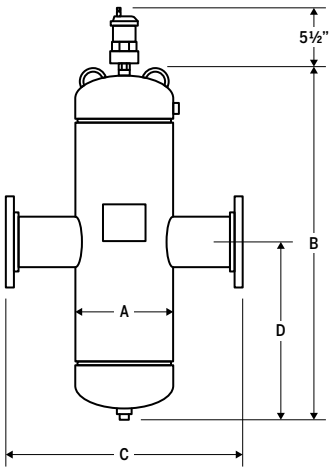
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAN-2	2	51	69	261	4½	114	23	584	15¼	387	11½	292	76	35
EWVAN-2NPT	2	51	69	261	4½	114	23	584	9	229	11½	292	70	32
EWVAN-2.5	2½	64	108	409	5½	140	23	584	15¾	400	11½	292	99	45
EWVAN-2.5NPT	2½	64	108	409	5½	140	23	584	10½	267	11½	292	90	41
EWVAN-3	3	76	144	545	6½	165	29	737	20¼	514	14½	368	114	52
EWVAN-3NPT	3	76	144	545	6½	165	29	737	12¾	324	14½	368	100	46
EWVAN-4	4	102	255	965	8½	216	29	737	20⅝	524	14½	368	194	88
EWVAN-5	5	127	398	1507	10	254	39	991	27¾	705	19½	495	230	105
EWVAN-6	6	152	570	2158	12	305	39	991	27¾	705	19½	495	255	116
EWVAN-8	8	203	945	3577	16	406	49	1245	33⅜	854	24½	622	514	234
EWVAN-10	10	254	1440	5451	20	508	65	1651	37½	953	32½	826	770	350
EWVAN-12	12	305	2100	7949	24	610	76	1930	42½	1080	38	965	1080	491

COALESCENT AIR AND DIRT SEPARATORS

EWVAN-HV / HIGH VELOCITY

- Design conforms to ASME, section VIII
- Non-replaceable media
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with a drainage valve

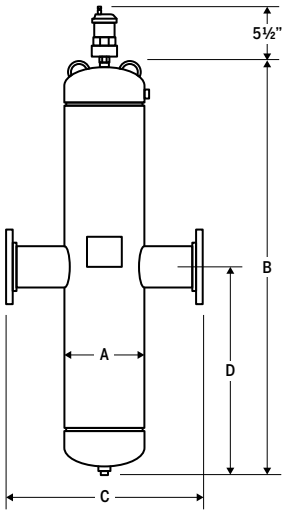
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: carbonized steel
- Pressure purger valve: bronze*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAN-2HV	2	51	105	397	4½	114	33	838	15¾	400	16½	419	100	45
EWVAN-2HV-NPT	2	51	105	397	4½	114	33	838	9	229	16½	419	90	41
EWVAN-2.5HV	2½	64	155	587	5½	140	33	838	15¾	400	16½	419	125	57
EWVAN-2.5HV-NPT	2½	64	155	587	5½	140	33	838	10½	267	16½	419	115	52
EWVAN-3HV	3	76	225	852	6½	165	42	1067	20¼	514	21	533	150	68
EWVAN-3HV-NPT	3	76	225	852	6½	165	42	1067	12¾	324	21	533	130	59
EWVAN-4HV	4	102	405	1533	8½	216	42	1067	20⅝	524	21	533	250	114
EWVAN-5HV	5	127	630	2385	10	254	59	1499	27¾	705	29½	749	310	141
EWVAN-6HV	6	152	910	3445	12	305	59	1499	27¾	705	29½	749	375	170
EWVAN-8HV	8	203	1610	6094	16	406	75	1905	33⅜	854	37½	953	700	318
EWVAN-10HV	10	254	2450	9274	20	508	92	2337	37½	953	46	1168	1000	455
EWVAN-12HV	12	305	3500	13249	24	610	110	2794	42½	1080	55	1397	1500	682

COALESCENT DIRT SEPARATORS

EWVAD / REPLACEABLE INTERNAL

- Design conforms to ASME, section VIII
- Removable base for easy maintenance
- Equipped with Calvent automatic vent (#CV050)
- Supplied with a drainage valve

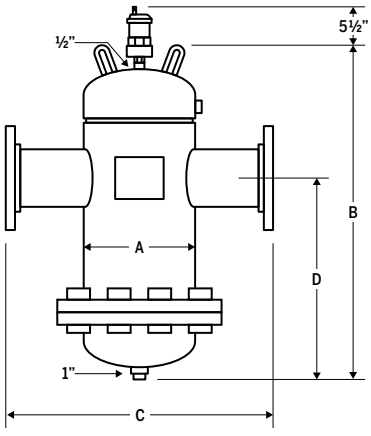
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: brass*
- Exterior finish in painted prime
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAD-2	2	51	69	261	9	229	18½	470	15¼	387	11½	292	64	29
EWVAD-2NPT	2	51	69	261	9	229	18½	470	10⅜	264	11½	292	55	25
EWVAD-2.5	2½	64	108	409	10	254	18½	470	15¾	400	11½	292	82	37
EWVAD-2.5NPT	2½	64	108	409	10	254	18½	470	11	279	11½	292	70	32
EWVAD-3	3	76	144	545	11	279	23	584	20¼	514	14½	368	113	51
EWVAD-3NPT	3	76	144	545	11	279	23	584	12½	318	14½	368	198	90
EWVAD-4	4	102	255	965	13½	343	23	584	20⅝	524	14½	368	168	76
EWVAD-5	5	127	398	1507	16	406	31	787	27¾	705	19½	495	245	111
EWVAD-6	6	152	570	2158	19	483	31	787	27¾	705	19½	495	347	158
EWVAD-8	8	203	945	3577	23½	597	36	914	33⅝	854	24½	622	451	205
EWVAD-10	10	254	1440	5451	27½	699	46	1168	37½	953	32½	826	711	323
EWVAD-12	12	305	2100	7949	32	813	54	1372	42½	1080	38	965	1121	510

COALESCENT DIRT SEPARATORS

EWVAD-HV / HIGH VELOCITY / REPLACEABLE INTERNAL

- Design conforms to ASME, section VIII
- High velocity
- Removable base for easy maintenance
- Equipped with Calvent automatic air vent (#CV050)
- Supplied with drainage valve

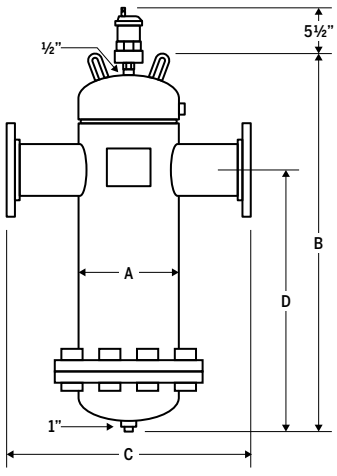
TECHNICAL SPECIFICATIONS

- Coalescent media: stainless steel
- Shell: steel
- Pressure purger valve: brass*
- Exterior finish in painted primer
- Maximum design temperature: 121°C (250°F)
- Maximum design pressure: 125 PSI
- Pressure of 150, 200 and 250 PSI also available

*Optional.

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Models



Model#	Connection		Maximum flow		Dimension								Approx. weight	
					A		B		C		D			
	in	mm	GPM	LPM	in	mm	in	mm	in	mm	in	mm	lb	kg
EWVAD-2HV	2	51	105	397	9	229	23	584	15¼	387	16½	419	69	31
EWVAD-2HV- NPT	2	51	105	397	9	229	23	584	10⅜	264	16½	419	60	27
EWVAD-2.5HV	2½	64	155	587	10	254	23	584	15¾	400	16½	419	89	40
EWVAD-2.5HV-NPT	2½	64	155	587	10	254	23	584	11	279	16½	419	77	35
EWVAD-3HV	3	76	225	852	11	279	30	762	20¼	514	21	533	125	57
EWVAD-3HV-NPT	3	76	225	852	11	279	30	762	12½	318	21	533	110	50
EWVAD-4HV	4	102	405	1533	13½	343	30	762	20⅝	524	21	533	185	84
EWVAD-5HV	5	127	630	2385	16	406	41	1041	27¾	705	29½	749	280	127
EWVAD-6HV	6	152	910	3445	19	483	41	1041	27¾	705	29½	749	390	177
EWVAD-8HV	8	203	1610	6094	23½	597	49	1245	33⅜	854	37¾	959	472	215
EWVAD-10HV	10	254	2450	9274	27½	699	60	1524	37½	953	46	1168	744	338
EWVAD-12HV	12	305	3500	13249	32	813	71	1803	42½	1080	55	1397	1169	531

ASME SPECIALIZED TANKS

CALEFACTIO CAN PRODUCE CUSTOM TANKS TELL US ABOUT YOUR PROJECT!

- ALL ASME TANKS IN STAINLESS STEEL
- LOW LOSS HEADER
- AND MUCH MORE!

SPECIFICATIONS

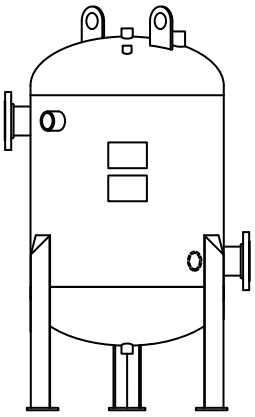
- Constructed according to the ASME code, section VIII, DIV. 1
- Conforms to the CSA B.51 standard
- Available vertically (V) or horizontally (H)
- Carbon steel or stainless steel construction
- Design of 125 PSI (862 KPa), 150 PSI (1 034 KPa), 200 PSI (1 379 KPa) and greater on demand
- Exterior finish: external solvent cleaning and grey coat primer application

ASME Storage Tank for Chilled Water and Glycol

Options

- Epoxy coated interior
- Concrete coated interior
- Horizontal with steel "floor" saddles

Model#	Description
CBT	Available from 24" to 144" diameter



ASME Bi-Energy Domestic Hot Water Storage Tank

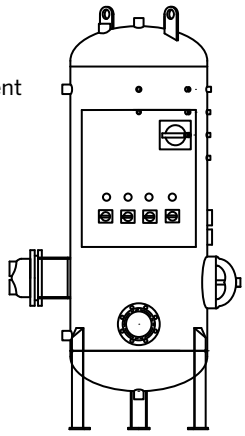
Technical Specifications

- Conforms to the NSF61 standard
- With water (W) or vapour (V) exchanger tube and electric element
- Replaceable aluminium anodes
- C/A pre-wired control panel

Options

- Interior coating hydrophobic cement, 20 mm (¾") thick
- Horizontal with steel "floor" saddles

Model#	Description
STA-BI	Available from 24" to 144" diameter



ASME Domestic Hot Water Storage Tank with Heater

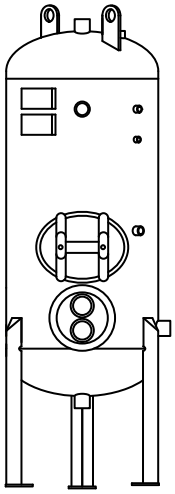
Technical Specifications

- Conforms to the NSF61 standard
- Replaceable aluminium anodes
- C/A pre-screened control panel
- Available from 24" to 144" diameter

Options

- Interior coating hydrophobic cement, 20 mm (¾") thick
- Horizontal with steel "floor" saddles

Model#	Description
STATEW	With water - tube exchanger
STATEV	With vapour - tube exchanger
STAEE	With electrical exchanger



ASME Domestic Hot Water Storage Tank without Heater

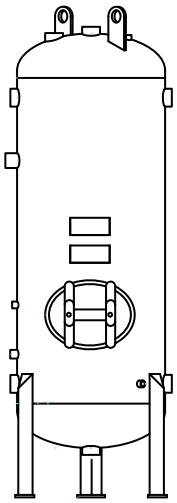
Technical Specifications

- Conforms to the NSF61 standard
- Aluminium anodes

Options

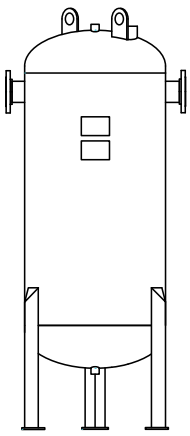
- Interior coating hydrophobic cement, from 20 mm (¾") thick
- Horizontal with steel "floor" saddles

Model#	Description
STA	Available from 24" to 144" diameter



SPECIFICATIONS

- Constructed according to the ASME code, section VIII, DIV. 1
- Conforms to the CSA B.51 standard
- Available vertically (V) or horizontally (H)
- Carbon steel or stainless steel construction
- Designs of 125 PSI (862 KPa), 150 PSI (1 034 KPa), 200 PSI (1 379 KPa) and greater on demand
- Exterior finish: external solvent cleaning and grey coat primer application



ASME Buffer Tank

Options

- Horizontal with steel "floor" saddles
- Bottom connection
- Internal deflector for a more uniform mixture

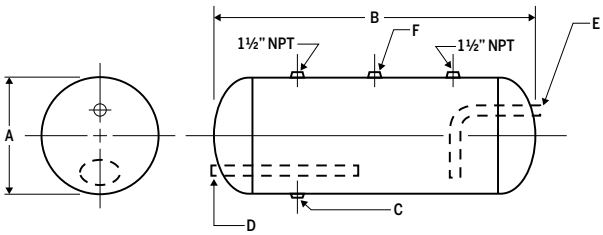
Model#	Description
HBT	Available from 24" to 144" diameter

ASME FLASH TANKS

EFTA SERIES

Construction

- Constructed according to ASME standard, section VIII, Div.1
- Design temperature: 450°F / 232°C
- Painted exterior with a primer coat



Models

To obtain a tank of higher capacity and greater pressure, communicate with the manufacturer.

Model#	Capacity		W.P.	Dimensions										Weight		Clear.	Options		
				A		B		C		D E		F							
	gal	L	PSI	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	pi²	Inlet	Oulet	Hand Hole
EFTA-13	13	49.2	150	10	254	39	991	1	25	1½	38	2	51	79	36	2.71	1½"×18" with 20 holes ⅜"	1½" 38.1 mm	4"× 6" 101.6 mm × 152.4 mm
EFTA-18	18	68.1	150	12	305	39	991	1	25	1½	38	2	51	94	43	3.25			
EFTA-24	24	90.8	150	14	356	39	991	1	25	1½	38	2	51	108	49	3.79			
EFTA-30	30	113.6	150	16	406	38	965	1½	38	1½	38	2½	64	121	55	4.22			
EFTA-48	48	181.7	125	18	457	48	1219	2	51	1½	38	2½	64	168	76	6.00			
EFTA-80	80	302.8	125	24	610	46	1168	2	51	2	51	3	76	214	97	7.67	2"×24" with 32 holes ⅜"	2" 50.8 mm	
EFTA-125	125	473.2	125	30	762	48	1219	2½	64	2	51	3	76	285	129	10			
EFTA-180	180	681.4	125	36	914	48	1219	3	76	2	51	3	76	339	154	12			

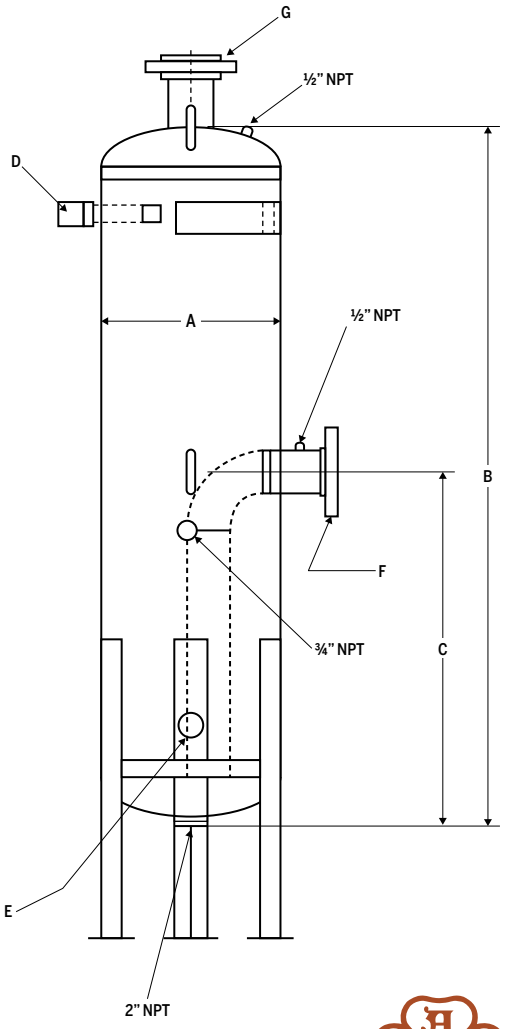
Spray duct, splash pipes and inspection holes are available as optional equipment.

ASME BLOWDOWN TANKS

EBDT SERIES

TECHNICAL SPECIFICATIONS

- Conforms to chapter VIII of the ASME code
- Exterior painted primer
- Head and shell from ⅜ in material
- Design temperature 450°F
- Operating pressure 125 psig



Models

Model#	Design pressure for boiler	Dimension				Exit height		Pressure purger		Cold water intake		Cold water exit		Pressure purger	
		A		B		C		D		E		F		G	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
EBDT-21	20 to 50	14	356	66	1676	33	838	¾	19	¾	19	1½	38	2	51
EBDT-22	20 to 50	14	356	66	1676	33	838	1	25	1	25	1½	38	2	51
EBDT-23	20 to 50	14	356	66	1676	33	838	1¼	32	1¼	32	2½	64	2	51
EBDT-24	20 to 50	14	356	66	1676	33	838	1½	38	1¼	32	2½	64	2½	64
EBDT-25	20 to 50	18	457	72	1829	36	914	2	51	2	51	4	102	3	76
EBDT-26	20 to 50	20	508	72	1829	36	914	2½	64	2	51	4	102	4	102
EBDT-51	51 to 100	14	356	66	1676	33	838	¾	19	1	25	1½	38	2	51
EBDT-52	51 to 100	14	356	66	1676	33	838	1	25	1¼	32	2	51	2½	64
EBDT-53	51 to 100	18	457	72	1829	36	914	1¼	32	1½	38	3	76	3	76
EBDT-54	51 to 100	18	457	72	1829	36	914	1½	38	2	51	4	102	4	102
EBDT-55	51 to 100	24	610	72	1829	36	914	2	51	2½	64	4	102	5	127
EBDT-56	51 to 100	30	762	78	1981	39	990	2½	64	2½	64	5	127	6	152
EBDT-101	101 to 150	14	356	66	1676	33	838	¾	19	1	25	2	51	2½	64
EBDT-102	101 to 150	14	356	66	1676	33	838	1	25	1¼	32	3	76	3	76
EBDT-103	101 to 150	20	508	72	1829	36	914	1¼	32	1½	38	3	76	4	102
EBDT-104	101 to 150	24	610	72	1829	36	914	1½	38	2	51	4	102	5	127
EBDT-151	151 to 200	14	356	66	1676	33	838	¾	19	1	25	2	51	3	76
EBDT-152	151 to 200	18	457	72	1829	36	914	1	25	1¼	32	2½	64	4	102
EBDT-153	151 to 200	24	610	72	1829	36	914	1¼	32	2	51	3	76	5	127
EBDT-154	151 to 200	30	762	78	1981	39	990	1½	38	2	51	4	102	6	152
EBDT-156	151 to 200	48	1219	78	1981	39	990	2½	64	3	76	5	127	8	203
EBDT-201	201 to 300	18	457	72	1829	34	863	¾	19	1¼	32	2	51	4	102
EBDT-202	201 to 300	24	610	72	1829	34	863	1	25	1½	38	2½	64	5	127
EBDT-203	201 to 300	30	762	78	1981	39	990	1¼	32	2	51	4	102	6	152
EBDT-204	201 to 300	36	914	78	1981	39	990	1½	38	2½	64	4	102	6	152
EBDT-205	201 to 300	48	1219	78	1981	39	990	2	51	3	76	5	127	8	203
EBDT-206	201 to 300	54	1372	84	2134	42	1067	2½	64	3	76	6	152	10	254
EBDT-301	301 to 400	20	508	72	1829	36	914	¾	19	1¼	32	2½	64	4	102
EBDT-302	301 to 400	24	610	72	1829	36	914	1	25	1½	38	3	76	5	127
EBDT-304	301 to 400	42	1067	78	1981	39	990	1½	38	2½	64	4	102	8	203
EBDT-305	301 to 400	54	1372	84	2134	42	1067	2	51	3	76	5	127	10	254
EBDT-306	301 to 400	66	1676	84	2134	42	1067	2½	64	4	102	6	152	10	254
EBDT-401	401 to 500	20	508	72	1829	36	914	1¼	19	1¼	32	2½	64	4	102
EBDT-404	401 to 500	48	1219	78	1981	39	990	1½	38	1½	38	4	102	8	203
EBDT-405	401 to 500	60	1524	84	2134	42	1067	2	51	3	76	5	127	10	254
EBDT-406	401 to 500	72	1829	84	2134	42	1067	2½	64	4	102	8	203	12	305
EBDT-501	501 to 600	24	610	72	1829	36	914	¾	19	1¼	32	2½	64	5	127
EBDT-502	501 to 600	30	762	78	1981	39	990	1	25	1½	38	3	76	6	152
EBDT-503	501 to 600	42	1067	78	1981	39	990	1¼	32	2½	64	4	102	8	203
EBDT-504	501 to 600	54	1372	84	2134	42	1067	1½	38	2½	64	5	127	10	254
EBDT-505	501 to 600	66	1676	84	2134	42	1067	2	51	3	76	6	152	12	305
EBDT-506	501 to 600	72	1829	84	2134	42	1067	2½	64	4	102	8	203	12	305
EBDT-602	601 to 800	36	914	78	1981	39	990	1	25	1½	38	3	76	6	152
EBDT-603	601 to 800	48	1219	78	1981	39	990	1¼	32	2	51	4	102	8	203
EBDT-604	601 to 800	60	1524	84	2134	42	1067	1½	38	2½	64	5	127	10	254
EBDT-605	601 to 800	72	1829	84	2134	42	1067	2	51	3	76	6	152	12	305
EBDT-606	601 to 800	72	1829	84	2134	42	1067	2½	64	4	102	8	203	12	305

GMP
Glycol Make-up Package

GLYCOL MAKE-UP PACKAGE

GMP from Calefactio are economical and robust. Their main function is to automatically maintain the pressure of water or of a water/glycol mixture in the closed loops of auxiliary heating, solar, radiant heating or snow melting system. Different sets of level alarm panels, as an option, offer an audible and visual indication in case of leak.

RESIDENTIAL

COMMERCIAL & INDUSTRIAL

MODELS

Residential GMP

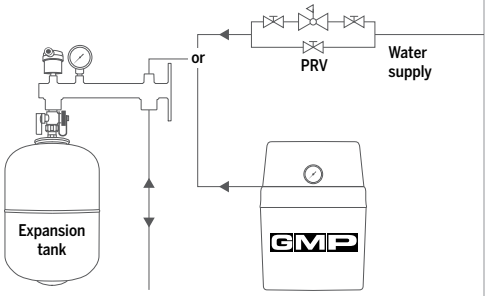
Model#	Capacity		Dimension						Approx. weight	
			A		B		C			
	gal	L	in	mm	in	mm	in	mm	lb	kg
GMP6	6	22.7	12	305	17.5	445	12	305	18.92	8.6
GMP18	18	68.1	12	305	39.25	997	12	305	26.62	12.1
GMPLC55	55	208	24	610	48	1219	–	–	37.84	17.2
GMPLC100	100	379	33	838	62	1575	–	–	51.48	23.4

SPECIFICATIONS

- Pump: 1.6 GPM (6 L/m)
- Discharge connection: ½" FPT
- 120 VAC/1 ph/60 Hz, standard plug with 1.8 m (6 ft) power cord.
- Level switch with plug (*piggyback*), pump power cutoff when the liquid in the tank is too low.
- The pressure regulation valve is easily adjustable to maintain pressure up to 412.8 kPa (60 psig), and 690 kPa (100 psig) for solar models.

A Flexible hose B ¾" Opening for return from the system safety valve
C By-pass valve D Pressure adjustment valve E Pump
F Glycerine pressure gauge (0-100 PSI) G 3-way filling valve

Installation Schematic



ACCESSORIES

Wall Mounting Shelf

Model#	Description	Weight	
		lb	kg
GMP6WMS	Wall support for GMP6	7.48	3.4

Alarm Panel Kit

Model#	Description	Weight	
		lb	kg
GMPAL	Remote low level alarm	1.98	0.9

Float

Model#	Description	Weight	
		lb	kg
GMPDC	Low level interrupter	1.32	0.6

Connection Hose

Model#	Description	Weight	
		lb	kg
BH72	72" Braided hose	1.32	0.6

Filling Kit

Model#	Description	Weight	
		lb	kg
GMPFILLINGKIT	Reusable hose for system filling	0.22	0.1

MODELS

Single GMP

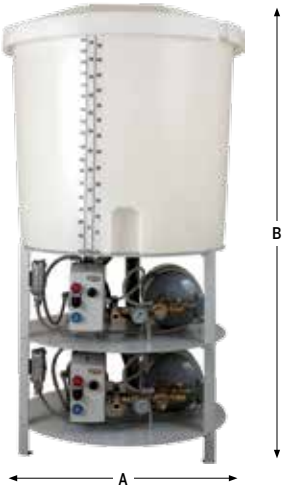
- Tank, 50 or 100 gallons
- 1 booster pump of ⅓ or ½ C.V.
- 1 pressure regulator
- Pressure maintained between 10 and 70 PSI

Model#	Motor		Tank		Dimension				Approx. weight	
					A		B			
	HP	kW	gal	L	in	mm	in	mm	lb	kg
GMP13050	⅓	0.2	50	189	28	710	42	1070	90	41
GMP13100	⅓	0.2	100	378	28	710	67	1700	105	47
GMP15050	½	0.4	50	189	28	710	42	1070	95	43
GMP15100	½	0.4	100	378	28	710	67	1700	110	49

Duplex GMP

- Tank, 50 or 100 gallons
- 2 booster pumps of ⅓ or ½ C.V.
- 2 pressure regulators
- Pressure maintained between 10 and 70 PSI

Model#	Motor		Tank		Dimension				Approx. weight	
					A		B			
	HP	kW	gal	L	in	mm	in	mm	lb	kg
GMPD23050	⅓	0.2	50	189	28	710	55	1400	153	69
GMPD23100	⅓	0.2	100	378	28	710	78	1980	166	75
GMPD25050	½	0.4	50	189	28	710	55	1400	153	69
GMPD25100	½	0.4	100	378	28	710	78	1980	166	75



Twin GMP

- Tank, 50 or 100 gallons
- 2 booster pumps of ⅓ or ½ C.V.
- 2 pressure regulators
- Pressure maintained between 10 and 70 PSI
- Alternation managed by a control panel supplied by an alternator and two magnetic starters

Model#	Motor		Tank		Dimension				Approx. weight	
					A		B			
	HP	kW	gal	L	in	mm	in	mm	lb	kg
GMPT33050	⅓	0.2	50	189	28	710	55	1400	188	85
GMPT33100	⅓	0.2	100	378	28	710	78	1980	201	91
GMPT35050	½	0.4	50	189	28	710	55	1400	188	85
GMPT35100	½	0.4	100	378	28	710	78	1980	201	91

SPECIFICATIONS

- **Make-up capacity**
  1.8 gpm@70 PSI
  6.8 L/m@482 kPa
- **Voltage:** 120 V/1 ph/60 Hz
- **Pressure range**
  10-70 PSI/69-482 kPa

INCLUDED

Each set includes:

- Base on stand
- Pump and motor (one or two)
- Liquid detection probe
- Manometer
- Audible and visual alarm panel
- Magnetic starter with selector (automatic, manual, off)
- Tank, 50 or 100 gallons

ACCESSORIES

High Level Alarm

Model#	Description
GMPOF	High level alarm

Protective Skirts

Model#	Description
GMPJU	Protective skirts

CONDENSAFE™

AN EXCEPTIONAL INNOVATION IN CONDENSATE NEUTRALIZATION MATERIAL

RESIDENTIAL

COMMERCIAL

RESIDENTIAL CONDENSATE NEUTRALIZER

CondenSAFE / Residential

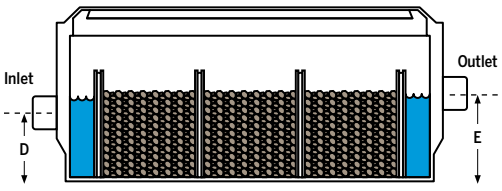
- Easy to replace media
- Allows direct connection
- Safe for the environment

Model#	A		B		C		D		E		Inlet Outlet	Weight	
	in	cm	in	cm	in	cm	in	cm	in	cm		lb	kg
CS6	12	30.5	4¾	12	5½	14	2½	6	3	7.6	½" FNPT	4.18	1.9
	Including: 1 media bag, 2 connectors ¾" glued female and 2 connectors ½" glued female												
CS6-A	12	30.5	4¾	12	5½	14	2½	6	3	7.6	½" FNPT	4.18	1.9
	Including : 1 media bag, 1 set of wall supports, 2 barbed fittings ¾" and 2 glued fittings ¾" female												

THE ONLY CONDENSATE NEUTRALIZATION UNIT THAT CAN BE CONNECTED TO RIGID PIPING

Engineered Media

THE UNIT IS DIVIDED IN THREE SECTIONS



TREATMENT CAPACITY												
1 Section				2 Sections				3 Sections				
MBH	kWh	gal/h	L/h	MBH	kWh	gal/h	L/h	MBH	kWh	gal/h	L/h	
525	154	2.1	8	1050	308	4.2	16	1575	461	6.3	24	
MAXIMUM TREATMENT VOLUME*												
6,3 GPH (24 LPH)												

*Verify the flow of condensate produced by your device. Generally speaking, a boiler with a capacity of 500.000 BTU/h at 92% efficiency should generate about 1.6 gal/h of condensate.

OPERATION

The unit is divided into three sections and the engineered media is contained in bags which can be easily replaced as needed. These bags are the first in the industry to carry date labels so that the user knows exactly when it is time to replace one. Use only the sections that you need!

As the unit is divided in three sections, you can place one, two, or three bags in the unit, depending on the volume of condensate that needs to be treated.

ACCESSORIES

Hose and Clips Kit

Model#	Description	Weight	
		lb	kg
CSHK	Hose and clips kit	1.32	0.6

Wall Supports

Model#	Description	Weight	
		lb	kg
CSB	For wall mounting	0.44	0.2

Media Bags

Model#	Description	Weight	
		lb	kg
CSM2	Dated media bags	1.7	0.78

MODULAR COMMERCIAL CONDENSATE NEUTRALIZER

Conden*SAFE* / Commercial

- The entire volume of condensate crosses the entire thickness of the engineering media
- Treatment optimized by feeding at bottom
- Integrated to prevent overflow
- Stainless steel media support of 53 in² (342 cm²)
- Easy to clean
- Supplied with Calefactio engineered media

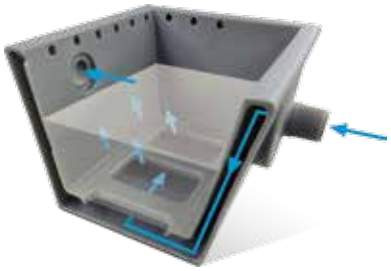
Model#	Capacity	Vol. maximum treatment per hour		A		B		C		D		Connection		Weight	
		L	gal	in	mm	in	mm	in	mm	in	mm	Inlet	Outlet	lb	kg
CSC28	3,500 MBH 1,026 KwH	106	28	7½	190	10½	267	16¼	414	5½	140	1" MNPT	1" FNPT	18	8.18

TO INCREASE TREATMENT CAPACITY

Conden*SAFE* being modular, it is possible to install up to 3 units in series to obtain a treatment able to reach 10,500 MBH.

OPERATION

Conden*SAFE* commercial units are designed to optimize the flow mode of the raw condensate. The double wall reactor offers a buffer volume for preneutralization. The preneutralized condensate flows ascending vertically across all the reactive media. A layer of several centimetres of condensate is omnipresent at the surface of the media, thus minimizing direct gaseous exchanges between the ambient air, containing CO_2, and the media.



ACCESSORIES

Engineered Media

Model#	Description	Weight	
		lb	kg
CSM28	Suitable for #CSC28	10.34	4.7

Connection Union

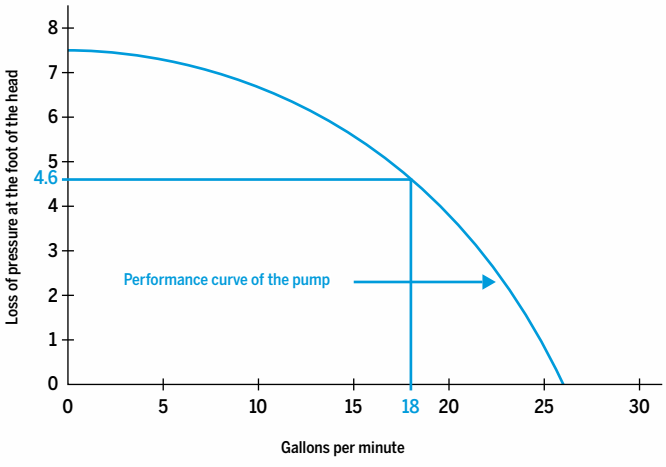
Model#	Description	Weight	
		lb	kg
CSCUK	For installation in series	0.22	0.1

ΔP (DELTA P) PUMP FLANGE

THE ΔP PUMP FLANGE ALLOWS A QUICK OVERVIEW OF THE SYSTEM

By taking a reading of the pressure gauges on each side of the pump, one obtains the pressure differential in PSI, also known under the name ΔP (Delta P). The pump curves show the ΔP in head loss. In order to convert the gauge reading to feet of head loss, it is necessary to multiply the ΔP by 2.3. A pressure differential of 2 psig multiplied by 2.3 is equivalent to 4.6 feet of static head. On the pump curve, using 4.6 feet of head, one obtains the flow of the pump.

ΔP pump flanges from Calefactio allows not only rapid reading of the state of the system, but also to drain it from the front and rear of the pump and make maintenance easier with integrated drain and ball valves.



Specifications

- Full port brass ball valve
- Rotating flange
- Gauge ports on each side and drain on one side
- Ball valve isolation for circulating pumps
- Blowout-proof stem, packing gland and O-ring stem seal
- Forged brass body
- 500 CWP (*Cold Working Pressure*)
- Thread conforms to the ANSI B1.20.1 standard

BENEFITS

- Saves time and money while reducing the number of joints because of the integrated functions (drain and gage ports,ball valve)
- Allows drainage before or after the pump
- Fits high velocity pumps

ΔP VALVE (DELTA P) – CLAMP VALVE FOR PUMP

KIT

Gauge not included

NPT (N)

Model#	Size	Weight	
		lb	kg
PF034N	¾"	3.31	1.50
PF100N	1"	4.17	1.90
PF114N	1¼"	5.51	2.50
PF112N	1½"	6.44	2.93
PF200N*	2"	9.66	4.38

Sweat (S)

Model#	Size	Weight	
		lb	kg
PF034S	¾"	3.24	1.47
PF100S	1"	4.06	1.85
PF114S	1¼"	5.36	2.44
PF112S	1½"	6.23	2.83
PF200S*	2"	9.46	4.30

Press (P)

Model#	Size	Weight	
		lb	kg
PF034P	¾"	3.42	1.55
PF100P	1"	4.24	1.93
PF114P	1¼"	5.72	2.60
PF112P	1½"	6.77	3.08

PEX F1960 (F)

Model#	Size	Weight	
		lb	kg
PF034F	¾"	3.34	1.52
PF100F	1"	4.19	1.90
PF114F	1¼"	5.61	2.55
PF112F	1½"	6.57	2.99

* Models without drain only.

OPTIONS

Pressure gauge ⅛" MNPT

Model#	PSI	Weight	
		lb	kg
GAGEO-30BOTTOM	0-30	0.22	0.1
GAGEO-100BOTTOM	0-100	0.22	0.1

UNIT

Gauge not included

With Drain

NPT (N-D)

Model#	Size	Weight	
		lb	kg
PF034N-D	¾"	1.69	0.77
PF100N-D	1"	2.13	0.97
PF114N-D	1¼"	2.81	1.28
PF112N-D	1½"	3.27	1.49

Sweat (S-D)

Model#	Size	Weight	
		lb	kg
PF034S-D	¾"	1.66	0.76
PF100S-D	1"	2.07	0.94
PF114S-D	1¼"	2.73	1.24
PF112S-D	1½"	3.16	1.44

Press (P-D)

Model#	Size	Weight	
		lb	kg
PF034P-D	¾"	1.75	0.80
PF100P-D	1"	2.16	0.98
PF114P-D	1¼"	2.91	1.32
PF112P-D	1½"	3.44	1.56

PEX F1960 (F-D)

Model#	Size	Weight	
		lb	kg
PF034F-D	¾"	1.71	0.78
PF100F-D	1"	2.13	0.97
PF114F-D	1¼"	2.86	1.30
PF112F-D	1½"	3.33	1.52

Without Drain

NPT (N-ND)

Model#	Size	Weight	
		lb	kg
PF034N-ND	¾"	1.61	0.73
PF100N-ND	1"	2.05	0.93
PF114N-ND	1¼"	2.70	1.23
PF112N-ND	1½"	3.17	1.44
PF200N-ND	2"	4.83	2.19

Sweat (S-ND)

Model#	Size	Weight	
		lb	kg
PF034S-ND	¾"	1.57	0.72
PF100S-ND	1"	1.99	0.90
PF114S-ND	1¼"	2.63	1.19
PF112S-ND	1½"	3.06	1.39
PF200S-ND	2"	4.73	2.15

Press (P-ND)

Model#	Size	Weight	
		lb	kg
PF034P-ND	¾"	1.66	0.76
PF100P-ND	1"	2.08	0.95
PF114P-ND	1¼"	2.81	1.28
PF112P-ND	1½"	3.34	1.52

PEX F1960 (F-ND)

Model#	Size	Weight	
		lb	kg
PF034F-ND	¾"	1.62	0.74
PF100F-ND	1"	2.05	0.93
PF114F-ND	1¼"	2.75	1.25
PF112F-ND	1½"	3.23	1.47

INCLUDED

Each valve comes with the following elements

- 1 gasket
- 2 nuts and 2 bolts
- 2 plugs ⅛" (installed)

BALL VALVES

RANGE OF 35 BALL VALVES IN BRASS FOR NPT, PRESS, SWEAT, PEX F1960 CONNECTIONS AND EVEN FOR SYSTEMS USING GAS.

NPT

SWEAT

PRESS

PEX F1960

GAS

MODELS

NPT

- Full port, brass ball valve with NPT threaded ends (connections)
- Blowout-proof stem and packing gland stem seal
- Thread conforms to the ANSI B1.20.1 standard
- Forged brass body
- 2-piece
- Lead free

Model#	Size	PSI	Weight	
			lb	kg
11001	¼"	600 PSI without shock WOG	0.26	0.12
11002	⅜"		0.26	0.12
11003	½"		0.37	0.17
11004	¾"		0.55	0.25
11005	1"		0.87	0.40
11006	1¼"		1.40	0.63
11007	1½"		1.92	0.87
11008	2"		3.49	1.58
11009	2½"	400 PSI without shock WOG	7.61	3.46
11010	3"		7.56	3.44
11011	4"		16.6	7.54

AB1953 • NSF14 • NSF6 • NSF372

SWEAT

- Full Port, brass ball valve with solder end connections
- Blowout-proof stem and packing gland stem seal
- Welded connections conform to the ANSI B16.18 standard
- Forged brass body
- 2-piece
- Lead free

Model#	Size	PSI	Weight	
			lb	kg
11012	½"	600 PSI without shock WOG	0.31	0.14
11013	¾"		0.52	0.24
11014	1"		0.82	0.37
11015	1¼"		1.32	0.60
11016	1½"		1.85	0.84
11017	2"		3.39	1.54
11018	2½"	400 PSI without shock WOG	7.14	3.25
11019	3"		10.2	4.64
11020	4"		17.1	7.78

AB1953 • NSF14 • NSF6 • NSF372

PRESS

- Ball valve in brass full-bore with pressure connections
- Blowout-proof stem and packing gland stem seal
- Forged brass body
- 2-piece
- Lead free
- Leak before pressure system (LBP – *Leak Before Press*)
- Sealing system specially designed to identify water leaks immediately when bad connection

Model#	Size	PSI	Weight	
			lb	kg
11028	½"	250 PSI without shock WOG	0.50	0.23
11029	¾"		0.76	0.35
11030	1"		1.21	0.55
11031	1¼"		1.68	0.76
11032	1½"		2.41	1.10
11033	2"		3.87	1.76
11034	2½"		7.15	3.25
11035	3"		9.59	4.36
11036	4"		17.2	7.82

AB1953 • NSF14 • NSF6 • NSF372

PEX F1960

- Ball valve in brass full-bore with PEX connections
- Blowout-proof stem and packing gland stem seal
- PEX connections conform to the ASTM F1960 standard
- Forged brass body
- 2-piece
- Lead free

Model#	Size	PSI	Weight	
			lb	kg
11021	½"	400 PSI without shock WOG	0.28	0.13
11022	¾"		0.41	0.19
11023	1"		0.76	0.35

AB1953 • NSF14 • NSF6 • CRN

GAS

- Ball valve in brass full-bore with NPT connections
- Blowout-proof stem and packing gland stem seal
- Thread conforms to the ANSI B1.20.1 standard
- Forged brass body
- 2-piece

Model#	Size	Weight	
		lb	kg
15001	½"	0.34	0.16
15002	¾"	0.55	0.25
15003	1"	0.84	0.38

FLOW REGULATORS

DISCOVER OUR COMPLETE RANGE OF FLOW REGULATORS CONFORMING TO THE NSF61 STANDARD.

FLOW REGULATORS

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

Fixed Regulators

- Also available in SS316
- Made in lead free brass
- Available in five formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

Model#	Connection	Height	GPM	Gallons per minute (GPM)																																		Weight
				0.13	0.19	0.25	0.35	0.50	0.75	1.00	1.30	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	6.50	7.00	8.00	9.00	10.0	12.0	13.0	13.5	15.0	18.0	20.0	24.0	25.0	26.0	30.0	
A	⅜" FNPT	1¾"	0.13 to 4	•	•	•	•	•	•	•	•	•	•	•	•	•		•																			3.00 oz
B	½" FNPT	2"	0.25 to 9			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•													3,60 oz
C	¾" FNPT	2¼"	0.25 to 30			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6.00 oz
X	1" FNPT	2¾"	2.5 to 30							•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	10.8 oz
Z	1½" FNPT	2¾"	5 to 30																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	22.6 oz
SSA	⅜" FNPT	1¾"	0.13 to 4	•	•	•	•	•	•	•	•	•	•	•	•	•		•																				2.90 oz
SSB	½" FNPT	2"	0.25 to 9			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•													3.30 oz
SSC	¾" FNPT	2¼"	0.25 to 30			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5.50 oz
SSX	1" FNPT	2¾"	2.5 to 30							•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	9.00 oz
SSZ	1½" FNPT	2¾"	5.0 to 30																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	21.0 oz

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

Union Regulators

- Also available in SS316
- Made in lead free brass
- Available in four formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

Model#	Connection	Height	GPM	Gallons per minute (GPM)																																		Weight
				0.13	0.19	0.25	0.35	0.50	0.75	1.00	1.30	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	6.50	7.00	8.00	9.00	10.0	12.0	13.0	13.5	15.0	18.0	20.0	24.0	25.0	26.0	30.0	
AU	⅜" FNPT	1⅞"	0.13 to 4	•	•	•	•	•	•	•	•	•	•	•	•	•		•																			0.02 oz
BU	½" FNPT	2⅛"	0.25 to 9			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•													4.00 oz
CU	¾" FNPT	2¼"	0.25 to 30			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6.40 oz
XU	1" FNPT	2¾"	2.5 to 30							•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	12.8 oz
SSAU	⅜" FNPT	1⅞"	0.13 to 4	•	•	•	•	•	•	•	•	•	•	•	•	•		•																				0.02 oz
SSBU	½" FNPT	2⅛"	0.25 to 9			•		•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•													4.00 oz
SSCU	¾" FNPT	2¼"	0.25 to 30			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	6.40 oz
SSXU	1" FNPT	2¾"	2.5 to 30							•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	12.8 oz

Custom requests are welcome (OEM)

Potable water
NSF/ANSI 61
NSF/ANSI 372 LLC

Industrial Regulators

- Made in lead free brass
- Available in five formats and more than 30 flow rates
- Certified by CSA for NSF/ANSI 61 & NSF/ANSI 372 LLC standards, the certification for potable water

Model#	Connection	Height	GPM	Gallons per minute (GPM)																																				Weight
				5.00	6.00	6.50	7.00	8.00	9.00	10.0	12.0	13.0	13.5	15.0	18.0	20.0	24.0	25.0	26.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0	100	105	110	115	120	
P	1¼"×1¼" MNPT	3"	5 to 30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																			10 oz
T	1½"×1½" MNPT	3"	5 to 30	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•																			13 oz
F	2"×2" MNPT	3"	10 to 30							•	•	•	•	•	•	•	•	•	•	•																			19 oz
H	2½"×2½" MNPT	4"	30 to 90																	•	•	•	•	•	•	•	•	•	•	•	•							32 oz
K	3"×3" MNPT	4"	30 to 120																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	51 oz

Specialized Regulators – for Irrigation

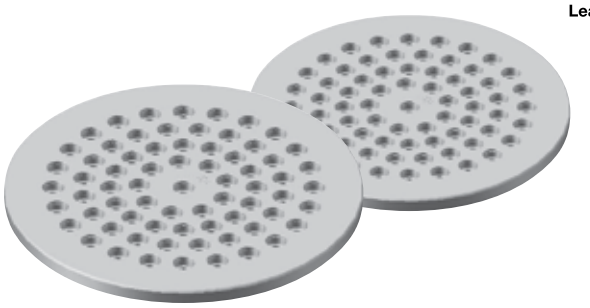
Model#	Connection	Height	GPM	Gallons per minute (GPM)																		Weight
				0.50	0.75	1.00	1.30	1.50	1.75	2.00	2.50	3.00	3.50	4.00	4.50	5.00	6.00	6.50	7.00	8.00	9.00	10.0	
Y	¾" MNPT × ¾" FNPT	1½"	1 to 10			•		•		•	•	•	•	•		•	•		•	•	•	•	4.5 oz

WAFER TYPE FLOW REGULATORS

Lead free

Wafer type flow regulators from Calefactio are available in five sizes and cover a large range of flows, from 60 to 2,100 gallons per minute.

Model#	Diameter	Total diameter	GPM
WF4	4"	6"	60 to 240
WF6	6"	7⅛"	100 to 540
WF8	8"	10⅛"	200 to 960
WF10	10"	12½"	300 to 1,500
WF12	12"	15¼"	400 to 2100



Custom requests are welcome (OEM)

RADIANT

The manifold kits from Calefactio are delivered preassembled. Caltherm Pro stainless steel collectors are offered in 11 models (2 to 12 loops, maximum suggested flow of 31.5 gallons per minute or 119 LPM) and Caltherm Mega has 15 models in reinforced polyamide (2 to 16 loops, maximum suggested flow of 14 gallons per minute, or 53 LPM). They come in pairs and include supply and return manifold, walls supports, flow meters, surface thermometers, vents and drains. The integrated flow-meters allow easy adjustment of the flow in each loops. In addition, the circuit isolation valves are compatible with the 24 V actuators from Calefactio (#AC24NC).

CALTHERM PRO

CALTHERM MEGA

CALPEX-R

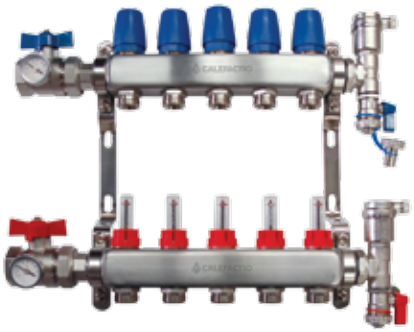
CALPEX-R, Calefactio's translucent cross-linked pex pipe, is designed for use in radiant heating and snow melting systems. It has an EVOH barrier that limits oxygen diffusion through tubing walls to less than 0.10m³/day at 104°F, thus protecting system components. This tubing meets DIN4276 norm criteria and conforms to the SDR-9 dimension standard. CALPEX-R is designed to resist a maximum pressure of 160PSI @ 73.4°F (23°C), 100 PSI @ 180°F (82°C) and 79 PSI @200°F (93°C). Through its NSF14 certification, the CALPEX-R range can be used for potable water applications.

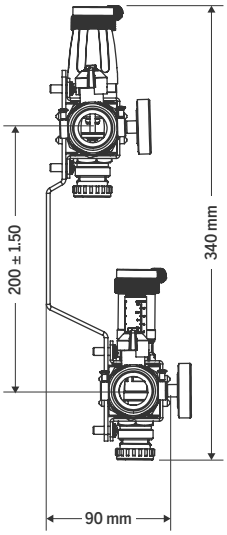
CALTHERM PRO

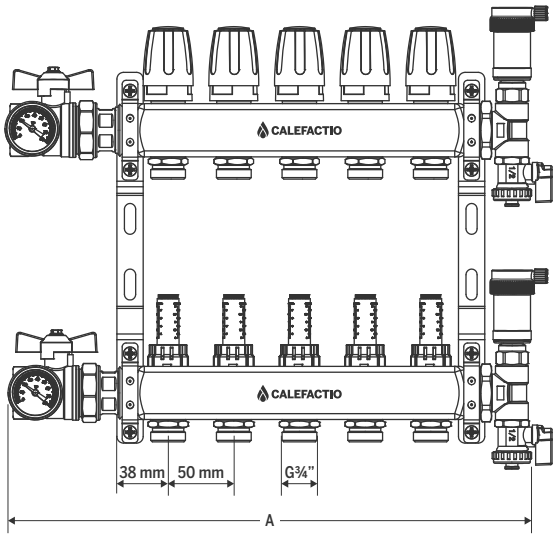
Technical Specifications

- Made of 304 stainless steel
- 1 in connections
- Preassembled on wall supports
- Integrated flow meters (5 LPM/1.3 GPM per loop)
- Maximum pressure: 125 PSI/862 kPa
- Maximum temperature: 230°F/110°C
- Supplied with vents and drains
- Compatible with Calefactio 24 volt actuator (#AC24NC)
- Compatible with the glycol used for heating (50% glycol, 50% water)
- Possibility of isolating each loop with the isolation and balance valves
- NPT ball valve with integrated thermometer

Model#	Loops	Maximum flow		Length (A)		Weight	
		LPM	GPM	in	mm	lb	kg
MAN2-SS100	2	10	2.6	10	254	7.92	3.6
MAN3-SS100	3	15	3.9	12	304	9.02	4.1
MAN4-SS100	4	20	5.2	14	354	9.90	4.5
MAN5-SS100	5	25	6.5	16	404	11.0	5.0
MAN6-SS100	6	30	7.8	17¾	454	12.10	5.5
MAN7-SS100	7	35	9.1	19¾	504	13.20	6.0
MAN8-SS100	8	40	10.4	21¾	554	14.08	6.4
MAN9-SS100	9	45	11.7	23¾	604	14.96	6.8
MAN10-SS100	10	50	13.0	25¾	654	16.06	7.3
MAN11-SS100	11	55	14.3	27¾	704	17.16	7.8
MAN12-SS100	12	60	15.6	29¾	754	18.04	8.2







ACCESSORIES

By-pass Valve

Model#	Description	Weight	
		lb	kg
BP075N	Union male ¾" NPT	0.8	0.36

Compression Fittings

- Insert barb/compresion nut tip: 37700 brass
- Compression ring: 37700 brass
- Type of connection: ¾" BSPP
- Maximum operating temperature: 180°F (82.2°C)
- Maximum operating pressure: 100 PSI (6.9 bar)
- O-ring material: EPDM

Model#	Conn.	I.D.-O.D.	Weight	
			lb	kg
FC12	½"	0.485"– ⅝"	0.11	0.05
FC58	⅝"	0.584"– ¾"	0.11	0.05
FC34	¾"	0.671"– ⅞"	0.11	0.05

Actuator

The 24 V actuator from Calefactio allows to control the fluid distribution in the loops served by the manifold according to the requests from the thermostats from the different zones.

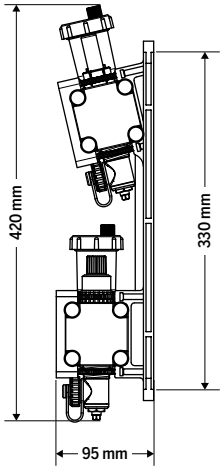
Model#	Connection	Weight	
		lb	kg
AC24NC	½"	0.44	0.2

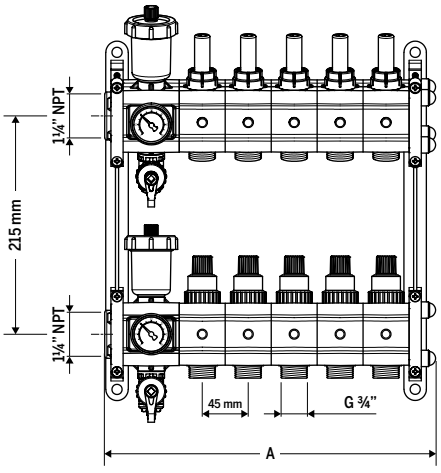
CALTHERM MEGA 1¼”

Technical Specifications

- Casing in reinforced polyamide
- 1¼ in connections
- Preassembled
- Integrated flow meters (8 LPM/2.1 GPM per loop)
- Maximum pressure: 88 PSI/608 kPa
- Maximum temperature: 158°F/70°C
- Supplied with vents and drains
- Compatible with Calefactio 24 volt actuator (#AC24NC)
- Compatible with the glycol solutions used for heating (50% glycol, 50% water)
- Possibility of isolating each loop with the isolation and balance valves
- Minimum heat loss, safe to touch surface temperature
- Anti-condensation
- Integrated thermometer
- Thermoplastic resistant to chemical products

Model#	Loops	Maximum flow		Length A		Weight	
		LPM	GPM	in	mm	lb	kg
MAN2-M125	2	16	4.2	7.50	190	7.04	3.20
MAN3-M125	3	24	6.3	9.25	235	3.65	8.03
MAN4-M125	4	32	8.4	11.0	280	4.10	9.02
MAN5-M125	5	40	10.5	12.8	325	4.50	9.90
MAN6-M125	6	48	12.6	14.6	370	4.90	10.78
MAN7-M125	7	56	14.7	16.3	415	5.50	12.10
MAN8-M125	8	64	16.8	18.1	460	5.85	12.87
MAN9-M125	9	72	18.9	19.9	505	6.35	13.97
MAN10-M125	10	80	21.0	21.7	550	6.65	14.63
MAN11-M125	11	88	23.1	23.4	595	7.25	15.95
MAN12-M125	12	96	25.2	25.2	640	7.65	16.83
MAN13-M125	13	104	27.3	27.0	685	8.10	17.82
MAN14-M125	14	112	29.4	28.7	730	8.55	18.81
MAN15-M125	15	120	31.5	30.5	775	8.95	19.69
MAN16-M125	16	108	33.6	32.3	820	9.35	20.57





ACCESSORIES

By-pass Valve

Model#	Description	Weight	
		lb	kg
BP075N	Union male ¾” NPT	0.8	0.36

Compression Fittings

- Insert barb/compresion nut tip: 37700 brass
- Compression ring: 37700 brass
- Type of connection: ¾” BSPP
- Maximum operating temperature: 180°F (82.2°C)
- Maximum operating pressure: 100 PSI (6.9 bar)
- O-ring material: EPDM

Model#	Conn.	I.D.-O.D.	Weight	
			lb	kg
FC12	½”	0.485”– ⅝”	0.11	0.05
FC58	⅝”	0.584”– ¾”	0.11	0.05
FC34	¾”	0.671”– ⅞”	0.11	0.05

Actuator

The 24 V actuator from Calefactio allows to control the fluid distribution in the loops served by the manifold according to the requests from the thermostats from the different zones.

Model#	Connection	Weight	
		lb	kg
AC24NC	½”	0.44	0.2

CALPEX-R

CALPEX-R, Calefactio's translucent cross-linked pex pipe, is designed for use in radiant heating and snow melting systems. It has an EVOH barrier that limits oxygen diffusion through tubing walls to less than 0.10 m^3/day at 104°F, thus protecting system components.

Technical Specifications

- Can also be used in continuous recirculation systems up to 140°F while maintaining its resistance to chlorine
- 160 PSI @ 73°F
- 100 PSI @ 180°F
- 80 PSI @ 200°F
- Pex B
- DIN4276
- SDR-9
- Cross-linked polyethylene pipe with anti-oxygen barrier (EVOH)
- Translucide
- Dimension adapted to copper piping (CTS)

Model#	Description	Weight	
		lb	kg
CALPEX-R-1-100	1" 100 ft EVOH Radiant	22.2	10.1
CALPEX-R-1-500	1" 500 ft EVOH Radiant	30.6	13.9
CALPEX-R-12-1000	½" 1000 ft EVOH Radiant	60.7	27.6
CALPEX-R-12-250	½" 250 ft EVOH Radiant	17.6	8.01
CALPEX-R-12-300	½" 300 ft EVOH Radiant	19.8	9.00
CALPEX-R-12-500	½" 500 ft EVOH Radiant	35.2	16.0
CALPEX-R-34-100	¾" 100 ft EVOH Radiant	13.9	6.30
CALPEX-R-34-500	¾" 500 ft EVOH Radiant	58.9	26.9
CALPEX-R-58-1000	⅝" 1000 ft EVOH Radiant	85.4	38.8
CALPEX-R-58-300	⅝" 300 ft EVOH Radiant	27.3	12.4
CALPEX-R-58-400	⅝" 400 ft EVOH Radiant	35.9	16.3
CALPEX-R-58-500	⅝" 500 ft EVOH Radiant	44.0	20.0

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ALSO AVAILABLE

Model#	Conn.	I.D.-O.D.	Weight	
			lb	kg
FC12	½"	0.485"– ⅝"	0.11	0.05
FC58	⅝"	0.584"– ¾"	0.11	0.05
FC34	¾"	0.671"– ⅞"	0.11	0.05

Compression Fittings

- Insert barb/compresion nut tip: 37700 brass
- Compression ring: 37700 brass
- Type of connection: ¾" BSPP
- Maximum operating temperature: 180°F (82.2°C)
- Maximum operating pressure: 100 PSI (6.9 bar)
- O-ring material: EPDM

Quebec (Canada)

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