

dahl, the quality leader for over 60 years



dahl

Exceptional Quality, Exceptional People™



dahl, the quality leader for over 60 years



The premium quality of every **dahl** valve and pipe hanging product is a promise we make, and a promise we keep, to all of our customers.

Quality products and quality service are our only priority.

100% North American

In the plumbing industry, sourcing of raw materials, parts, packaging and/or finished goods offshore is commonplace. **dahl** products are designed, engineered and manufactured in our Canadian facilities. We source our raw materials and components from the United States or Canada. This gives us control over product quality and on-time delivery to customers.

A Lifetime Warranty Backed by Superior Customer Service

In order to warranty our products for a lifetime, quality is inherent. **dahl** valves are guaranteed for as long as you own the property in which they were installed.

dahl's warranty is the industry's best, and clearly proves the quality of the products. It is the result of over 50 years of manufacturing experience.

**Lifetime
Warranty**

The 1/4 Turn dahl Mini-Ball™ Valve

dahl pioneered the 1/4-turn **mini-ball™** valve for North American supply stops in 1984.

dahl **mini-ball™** valves are available in thousands of configurations. Patented modular design allows for production of a valve for multiple plumbing and hydronic applications.

Design attributes of 1/4-turn mini-ball™ valves

Non-rising stem - The non-traveling stem prevents mineral deposits and other fouling from damaging the seal and causing leaks.



Sealing feature - PTFE seals are used to ensure smooth operation and prevent fouling for their lifetime.

Better materials are the first step to better quality

dahl sets stringent standards for our suppliers. We thoroughly test any material prior to considering purchase. **dahl** never compromises on quality standards. All raw materials utilized are sourced from the United States or Canada.

Brass - Compared to "offshore" brass, American brass has fewer impurities and a preferable microstructure. This results in far superior corrosion resistance in aggressive water conditions.

PTFE - The quality of American PTFE rod dahl purchases for precision-machined ball valve seals is unmatched, and critical to long product life. **dahl mini-ball™** valves have been life cycle tested to over 700,000 cycles without failure.

O-Rings - **dahl** only purchases American O-rings made from the highest quality compounds. O-rings used by dahl are free from common defects such as geometric deficiencies that cause leaks and rapid deterioration caused by inferior resistance to aggressive elements in the water.

Our products exceed CSA and IAPMO requirements. **dahl's** position as the industry leader is demonstrated by the immediate responsiveness of customer service representatives. Your call will be answered within 15 seconds from the time you are connected to the phone system. We also monitor e-mails real-time and strive to respond upon receipt.

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Terms, Conditions & Ordering Information

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www.dahlvalve.com

1-800-268-2363 U.S. Toll-Free
1-800-226-1801 CAN & U.S. Fax
customerservice@dahlvalve.com

Freight: **PREPAID FREIGHT (Full Freight Allowed)**

Continental U.S. cities	US\$ 1,500 net
Puerto Rico	US\$ 3,500 net
Hawaii and Alaska	US\$ 4,500 net

For orders below FFA (Full Freight Allowed) levels

- FOB Dahl, brokerage included
- Freight collect (or prepaid & charge upon request)

Payment: 2% 15th of the month following, net on the 30th. Invoice date is the date of shipment ex our plant. Overdue accounts are subject to interest charges of 2% per month.

Returns: Returned Goods Authorization (RGA) must be obtained and return shipment must be prepaid.

Only regular stock items purchased during the 12 months preceding RGA approval qualify for credit and the goods must be acceptable as re-saleable new merchandise:

- No scratches, nicks, dents etc.
- Clean and no discoloration

Returns for stock exchange and inventory re-balancing will not be accepted.

Parts that are not in their original carton are subject to an additional inspection charge of \$30 per hour.

All approved credits will be applied by the dahl accounting department.

Warranty: Lifetime Limited Warranty against defects in material and workmanship to the extent of supplying, free of charge, new product to replace any found defective and up to \$50 for product replacement labor, but no claims will be allowed for consequential damage.

See www.dahlvalve.com/product-warranty-information.php for full details of the warranty.

dahl reserves the right to alter prices and/or technical details without notice.

dahl Brothers Canada Limited

LIFETIME LIMITED WARRANTY

dahl Brothers (Canada) Limited ("dahl") warrants to the purchaser from dahl (the "Purchaser") and the end user (the "End-User") that its Mini-Ball™ Valve, Fitting, and Globe Style Valve products (the "Products") sold after Sept. 1, 2013, shall be free from defect in materials and workmanship, under normal use and service, for the lifetime of the installation commencing on the installation date of the Product, and that the Product will conform to the specifications for the Product which are in effect at the time that the Product is manufactured. The product warranty is transferable upon sale of the property.

A Purchaser or End-User (the "Claimant") submitting a claim under this Warranty must do so in writing to dahl at 2600 South Sheridan Way, Mississauga, Ontario, L5J 2M4 or at such other address as may be advised by dahl from time to time via its web site or by other technology, and if required by dahl, obtain dahl's return Product authorization and return the Product to dahl or its authorized agent at the Claimant's expense for inspection. It shall be the responsibility of the Claimant to prove that the claim and Product have been received by dahl. **Upon confirmation that this Limited Warranty (the "Warranty") is applicable by dahl, dahl shall: (1) replace the Product with one of like quality, grade and function; (2) pay up to \$50 in labor charges for the de-installation or re-installation of a replacement Product; and (3) pay mailing costs incurred to send a replacement Product to the Claimant.**

THIS SECTION IS NOT APPLICABLE TO PERSONAL/ RESIDENTIAL/ CONSUMER PURCHASES:

dahl makes no other representation or warranty as to the merchantability, quality or fitness of the Product for any purpose and, to the extent permitted by applicable law specifically disclaims all representations and warranties of every kind and nature whatsoever, whether express, implied, statutory or otherwise, in relation to the Product. dahl's liability with respect to any claim by a Claimant will be limited solely to replace the Product as set forth in this Warranty.

This Warranty does not apply to any defect in the Product or damages incurred in connection with the Product if such defect or damages involve, relate to or are caused in whole or in part by any of the following:

1. use for any purpose other than water/glycol based plumbing and heating systems;
2. normal wear and tear;
3. 'Specialty Finishes' as the same are identified in dahl's hard copy or electronic catalogue as of the date of manufacture of the Product;
4. any product or component of a Product that is not manufactured by dahl;
5. the use of the Product for purposes other than those intended by dahl or permitted in accordance with applicable law or regulation;
6. Products which are not installed, used or serviced in accordance with dahl's specifications or any applicable law or regulation;
7. abuse, mishandling, tampering, improper installation, improper operation or modification of the Product, neglect or accident;

8. any force majeure, fire, casualty, flood, earthquake, war, epidemic, riot, insurrection, act of terrorism, vandalism, or contamination, including, without limitation, damages incurred in connection with any substance other than water/glycol being introduced into the system of which the Product forms a part, freezing, corrosion or adverse water or external environmental conditions, or any other cause beyond the reasonable control of dahl; or
9. Claimant's failure to take reasonable steps to maintain and inspect the Product or failure to take appropriate standby procedures in place in relation thereto.

THIS SECTION IS NOT APPLICABLE TO PERSONAL/RESIDENTIAL/CONSUMER PURCHASES:

IN NO EVENT SHALL dahl BE LIABLE OR RESPONSIBLE TO ANY PARTY (WHETHER IN CONTRACT, TORT OR OTHERWISE) FOR ANY DEATH OR INJURY (WHETHER PHYSICAL OR MENTAL) OR FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, CONTINGENT, LIQUIDATED, PUNITIVE OR EXEMPLARY LOSS OR CLAIM, INCLUDING, WITHOUT LIMITATION, LOSS OF BUSINESS OR PROFIT, WATER DAMAGE OR MOLD INTRUSION, ARISING FROM OR IN CONNECTION WITH THE PRODUCT, OR ANY DELAY IN REPLACING THE PRODUCT, REGARDLESS OF WHETHER SUCH LOSS OR DAMAGE IS CAUSED BY ANY ACT OR OMISSION ON THE PART OF dahl, WHETHER OR NOT THE SAME CONSTITUTES NEGLIGENCE, GROSS NEGLIGENCE OR FUNDAMENTAL BREACH, OR ANY ACTUAL OR ALLEGED MANUFACTURING DEFECTS IN THE PRODUCT, EVEN IF DAHL HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND/OR IF THE LIKELIHOOD OF SUCH DAMAGES WAS FORESEEABLE.

THIS SECTION IS NOT APPLICABLE TO PERSONAL/RESIDENTIAL/CONSUMER PURCHASES:

OUTSIDE ONTARIO. This Warranty shall be interpreted in accordance with the laws applicable in Ontario, Canada (other than Ontario principles of conflicts of law) and all disputes in connection with this Warranty shall be resolved by the courts of the Province of Ontario which shall have exclusive jurisdiction.

This Warranty constitutes the entire agreement between the parties pertaining to the warranty for the Product; cannot be modified or waived without dahl's written agreement. The application of the United Nations Convention on Contracts for the International Sale of Goods does not apply to this Warranty and is hereby expressly excluded. If any provision of this Warranty or any part of any provision of this Warranty is held to be invalid, illegal or unenforceable by a court of competent jurisdiction, such provision or part shall not affect the validity, legality or enforceability of any other provision of this Warranty or the balance of any provision of this Warranty absent such part and such invalid, illegal or unenforceable provision or part shall be deemed to be severed from this Warranty and this Warranty shall be construed and enforced as if such invalid, illegal or unenforceable provision or part had never been inserted in this Warranty. Claimant's acceptance of the Product shall without limitation constitute acceptance of all terms and conditions stated in this Warranty.



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Mini-Ball™ Valves

Supply Stops



Dual Outlet Valves



Dual Shut-Off Valves



Supply Kits



Tee & Valve Kits



No Solder Replacement Valves



Outlet Box Valves



Hose and Boiler Drain



In-line Stops



Balancing Valves



Petcocks & Gauge Cocks



Fittings



Water Hammer Arrester Valves & Fittings



Optional Features for Mini-Ball™ Valves

OPERATION

Choose a variety of methods for operating the valve, from different colors of handles to Loose Key with Screwdriver Slot. Available on all Mini-Ball™ Valves.

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Red Handle	3rd Digit of Valve # - 4	624-08-04	0.63
	Blue Handle	3rd Digit of Valve # - 5	625-08-04	0.63
	Loose Key with Screwdrive Slot and Lockshield Key sold separately	Replace 3rd Digit of Valve # with "6SS"	616SS-33-31	4.86
	 Loose/Lockshield Key		9941	2.45

DRAIN FEATURE

Create a stop & drain valve. Available on both straight and angle pattern models. Add "D" to the Inlet or Outlet in the part number as shown below:

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Drain Provision for 1/2" (Use 3/4" pricing for Large Bore valves)	Add to Part # - D	521-13-13D	4.70
	Drain Provision for 3/4" (or 1/2" Large Bore)	Add to Part # - D	521-14D-PX5	6.35

Optional Features for Mini-Ball™ Valves

POLYBAG PACKAGING

Any valve can be ordered in a polybag with the dahl part number and UPC code printed on the bag. Installation instructions are also included in every bag.

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Plastic Bagging with UPC bar code	Add to Part # - BAG	611-33-31 <u>BAG</u>	No Charge

CAP & CHAIN

Valves with hose outlet can be ordered with a cap & chain attached to the handle.

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Cap & Chain	Add DH beside operation type and CC beside Hose connection in the part number	621 <u>DH</u> -01-04 <u>CC</u>	10.65

TAG HOLE IN HANDLE

The 3/16" tag hole enables labelling of the valves in a basement or mechanical room, making it simple for future identification without having to trace lines or reference original mechanical blueprints.

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Drilled Handle (3/16" hole drilled in handle for tags)	Add "DH"	521 <u>DH</u> -PX3-PX3	1.88

Optional Features for Mini-Ball™ Valves

VALVES WITHOUT COMPRESSION NUTS

Any valve with a compression outlet for Copper pipe can be ordered without the compression nut & sleeve (ferrule). This reduces cost for the installer who uses braided connectors, or the dahl Universal Tee.

	Valve Finish	End #	Description	Modified End #	Part Number Example	Deduct from List US\$
	Plated	30	1/4 OD Comp	30LNS	611-PX3-30LNS	0.30
	Brass	30	1/4 OD Comp	30LNS	621-PX3-30LNS	0.20
	Plated	31	3/8 OD Comp	31LNS	511-33-31LNS	0.30
	Brass	31	3/8 OD Comp	31LNS	521-33-31LNS	0.20
	Plated	32	1/2 OD Comp	32LNS	611-33-32LNS	0.50
	Brass	32	1/2 OD Comp	32LNS	621-33-32LNS	0.35
	Plated	33	5/8 OD Comp	33LNS	511-13-33 <u>LNS</u>	0.70
	Brass	33	5/8 OD Comp	33LNS	521-13-33LNS	0.55

SHANK NUTS

	Description	Modify Part Number	Part Number Example	Add to List US\$
	Shank Nut for outlet box valves	Add "NUT"	621-PX3L-31 <u>NUT</u>	1.88

Optional Features for Mini-Ball™ Valves

BRANCH TAPPING - FOR HEATING APPLICATIONS ONLY

Dahl's Branch Tapping option is available on all Mini-Ball™ Valves and Mini-Ball™ Balancing Valves.

This ingenious feature allows specification of a 1/8" or 1/4" FIP tapping on the valve for a variety of custom functions, including venting and/or draining.

Dahl also supplies Mini-Ball™ drain valves with hose outlet (shown at left below), for installation into Branch Tapping.

Here are a few of the accessories that dahl customers have installed using the Branch Tapping:

Sold by others:

- Pete's Plugs
- Gauges
- Schrader Valves
- Coin vents
- Fittings for capillary lines

Available from dahl:

- Petcocks/Guage Cocks
- Drain Valves



BT1 = 1/8 F Branch Tapping; BT2 = 1/4F Branch Tapping

Modify Part Number	Valve Size	Part Number Example	Add to List US\$
Add "BT1" or "BT2" beside inlet or outlet in the part number	1/2"	121-13-PX3BT1	Call
Add "BT1" or "BT2" beside inlet or outlet in the part number	3/4"	121-14-14BT2	Call

Call dahl customer service to create the exact specification for your Branch Tapping product.

mini-ball™ valves

Supply Stops



COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 OD Comp x 3/8 OD Comp	511-32-31	26.93	24/144
ANG	CP	1/2 OD Comp x 3/8 OD Comp	611-32-31	26.18	24/144
STR	CP	5/8 OD Comp x 1/4 OD Comp	511-33-30	17.24	24/144
STR	RB	5/8 OD Comp x 1/4 OD Comp	521-33-30	17.00	24/144
ANG	CP	5/8 OD Comp x 1/4 OD Comp	611-33-30	16.49	24/144
ANG	RB	5/8 OD Comp x 1/4 OD Comp	621-33-30	16.25	24/144
STR	CP	5/8 OD Comp x 3/8 OD Comp	511-33-31	14.74	24/144
STR	RB	5/8 OD Comp x 3/8 OD Comp	521-33-31	14.50	24/144
ANG	CP	5/8 OD Comp x 3/8 OD Comp	611-33-31	13.99	24/144
ANG	RB	5/8 OD Comp x 3/8 OD Comp	621-33-31	13.75	24/144
STR	CP	5/8 OD Comp x 1/2 OD Comp	511-33-32	18.50	24/144
ANG	CP	5/8 OD Comp x 1/2 OD Comp	611-33-32	17.74	24/144
STR	CP	5/8 OD Comp x 1/2 NPSM	511-33-05	17.24	24/144
ANG	CP	5/8 OD Comp x 1/2 NPSM	611-33-05	16.50	24/144
ANG	CP	7/8 OD Comp x 3/8 OD Comp	611-35-31	39.23	12/ 72

COPPER - dahl PRESS*



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 dahl Press* x 1/4 OD Comp	521-23L-30	21.23	24/144
STR	RB	1/2 dahl Press* x 3/8 OD Comp	521-23L-31	19.45	24/144

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Fem. Solder x 1/4 OD Comp	511-13-30	19.55	24/144
STR	RB	1/2 Fem. Solder x 1/4 OD Comp	521-13-30	19.30	24/144
ANG	CP	1/2 Fem. Solder x 1/4 OD Comp	611-13-30	18.80	24/144
ANG	RB	1/2 Fem. Solder x 1/4 OD Comp	621-13-30	18.55	24/144
STR	CP	1/2 Fem. Solder x 3/8 OD Comp	511-13-31	17.05	24/144
STR	RB	1/2 Fem. Solder x 3/8 OD Comp	521-13-31	16.80	24/144
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp	611-13-31	16.30	24/144
ANG	RB	1/2 Fem. Solder x 3/8 OD Comp	621-13-31	16.05	24/144
STR	CP	1/2 Fem. Solder x 1/2 OD Comp	511-13-32	20.80	24/144
ANG	CP	1/2 Fem. Solder x 1/2 OD Comp	611-13-32	20.05	24/144

COPPER - SOLDER MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Male Solder x 1/4 OD Comp	521-23-30	20.50	24/144
ANG	RB	1/2 Male Solder x 1/4 OD Comp	621-23-30	21.10	24/144
STR	RB	1/2 Male Solder x 3/8 OD Comp	521-23-31	18.00	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA Ph: 1-800-268-2363 US Fax: 1-800-226-1801 CDA & US sales@dahlvalve.com www.dahlvalve.com

mini-ball™ valves

Supply Stops



CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Fem. CPVC x 1/4 OD Comp	511-46-30	20.25	24/144
STR	RB	1/2 Fem. CPVC x 1/4 OD Comp	521-46-30	20.00	24/144
ANG	CP	1/2 Fem. CPVC x 1/4 OD Comp	611-46-30	19.50	24/144
ANG	RB	1/2 Fem. CPVC x 1/4 OD Comp	621-46-30	19.25	24/144
STR	CP	1/2 Fem. CPVC x 3/8 OD Comp	511-46-31	17.75	24/144
STR	RB	1/2 Fem. CPVC x 3/8 OD Comp	521-46-31	17.50	24/144
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp	611-46-31	17.00	24/144
ANG	RB	1/2 Fem. CPVC x 3/8 OD Comp	621-46-31	16.75	24/144
STR	CP	1/2 Fem. CPVC x 1/2 OD Comp	511-46-32	21.50	24/144
ANG	CP	1/2 Fem. CPVC x 1/2 OD Comp	611-46-32	20.75	24/144
ANG	RB	1/2 Fem. CPVC x 1/2 OD Comp	621-46-32	20.50	24/144

CPVC - MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Male CPVC x 1/4 OD Comp	521-4466-30	22.50	24/144
ANG	CP	1/2 Male CPVC x 1/4 OD Comp	611-4466-30	22.00	24/144
STR	CP	1/2 Male CPVC x 3/8 OD Comp	511-4466-31	20.25	24/144
STR	RB	1/2 Male CPVC x 3/8 OD Comp	521-4466-31	20.00	24/144
ANG	CP	1/2 Male CPVC x 3/8 OD Comp	611-4466-31	19.50	24/144

mini-ball™ valves

Supply Stops



IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 FIP x 1/4 OD Comp	511-52-30	20.65	24/144
STR	RB	3/8 FIP x 1/4 OD Comp	521-52-30	20.40	24/144
ANG	CP	3/8 FIP x 1/4 OD Comp	611-52-30	19.90	24/144
ANG	RB	3/8 FIP x 1/4 OD Comp	621-52-30	19.65	24/144
STR	CP	3/8 FIP x 3/8 OD Comp	511-52-31	18.15	24/144
STR	RB	3/8 FIP x 3/8 OD Comp	521-52-31	17.90	24/144
ANG	CP	3/8 FIP x 3/8 OD Comp	611-52-31	17.40	24/144
ANG	RB	3/8 FIP x 3/8 OD Comp	621-52-31	17.15	24/144
STR	CP	3/8 FIP x 1/2 OD Comp	511-52-32	21.90	24/144
ANG	CP	3/8 FIP x 1/2 OD Comp	611-52-32	21.15	24/144
ANG	RB	3/8 FIP x 1/2 OD Comp	621-52-32	20.90	24/144
STR	CP	1/2 FIP x 1/2 NPSM	511-53-05	19.75	24/144
ANG	CP	1/2 FIP x 1/2 NPSM	611-53-05	19.00	24/144
STR	CP	1/2 FIP x 1/4 OD Comp	511-53-30	19.75	24/144
STR	RB	1/2 FIP x 1/4 OD Comp	521-53-30	19.50	24/144
ANG	CP	1/2 FIP x 1/4 OD Comp	611-53-30	19.00	24/144
ANG	RB	1/2 FIP x 1/4 OD Comp	621-53-30	19.65	24/144
STR	CP	1/2 FIP x 3/8 OD Comp	511-53-31	17.25	24/144
STR	RB	1/2 FIP x 3/8 OD Comp	521-53-31	17.00	24/144
ANG	CP	1/2 FIP x 3/8 OD Comp	611-53-31	16.50	24/144
ANG	RB	1/2 FIP x 3/8 OD Comp	621-53-31	16.25	24/144
STR	CP	1/2 FIP x 1/2 OD Comp	511-53-32	21.00	24/144
ANG	CP	1/2 FIP x 1/2 OD Comp	611-53-32	20.25	24/144
ANG	RB	1/2 FIP x 1/2 OD Comp	621-53-32	20.00	24/144
STR	CP	1/2 FIP x 1/2 or 7/16 OD Slip Joint	511-53-L5	21.00	12/72
ANG	CP	1/2 FIP x 1/2 or 7/16 OD Slip Joint	611-53-L5	20.25	12/72

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/4 MIP x 1/4 OD Comp	521-61-30	19.71	24/144
ANG	CP	1/2 Fem. Solder or 1/2 MIP x 3/8 OD Comp	611-01-31	20.05	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 1/4 OD Comp	621-01-30	22.30	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 3/8 OD Comp	621-01-31	19.80	24/144

PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 (1/2 OD) Compex x 3/8 OD Comp	511-CPX2-31	29.54	18/108
STR	CP	1/2 (5/8 OD) Compex x 3/8 OD Comp	511-CPX3-31	27.25	18/108
STR	RB	1/2 (5/8 OD) Compex x 3/8 OD Comp	521-CPX3-31	27.00	18/108
ANG	CP	1/2 (5/8 OD) Compex x 3/8 OD Comp	611-CPX3-31	26.50	12/72
ANG	RB	1/2 (5/8 OD) Compex x 3/8 OD Comp	621-CPX3-31	26.25	18/108

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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mini-ball™ valves

Supply Stops



PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 Crimpex x 3/8 OD Comp	511-PX2-31	16.80	24/144
ANG	CP	3/8 Crimpex x 3/8 OD Comp	611-PX2-31	17.83	24/144
STR	CP	1/2 Crimpex x 1/4 OD Comp	511-PX3-30	15.23	24/144
STR	RB	1/2 Crimpex x 1/4 OD Comp	521-PX3-30	14.98	24/144
ANG	CP	1/2 Crimpex x 1/4 OD Comp	611-PX3-30	14.48	24/144
ANG	RB	1/2 Crimpex x 1/4 OD Comp	621-PX3-30	14.23	24/144
STR	CP	1/2 Crimpex x 3/8 OD Comp	511-PX3-31	13.45	24/144
STR	RB	1/2 Crimpex x 3/8 OD Comp	521-PX3-31	14.98	24/144
ANG	CP	1/2 Crimpex x 3/8 OD Comp	611-PX3-31	12.70	24/144
ANG	RB	1/2 Crimpex x 3/8 OD Comp	621-PX3-31	11.73	24/144
STR	CP	1/2 Crimpex x 1/2 OD Comp	511-PX3-32	16.48	24/144
ANG	CP	1/2 Crimpex x 1/2 OD Comp	611-PX3-32	15.73	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F1960 x 1/4 OD Comp	511-PRPX3-30	19.29	24/144
STR	RB	1/2 F1960 x 1/4 OD Comp	521-PRPX3-30	19.05	24/144
ANG	CP	1/2 F1960 x 1/4 OD Comp	611-PRPX3-30	17.12	24/144
ANG	RB	1/2 F1960 x 1/4 OD Comp	621-PRPX3-30	17.70	24/144
STR	CP	1/2 F1960 x 3/8 OD Comp	511-PRPX3-31	16.63	24/144
STR	RB	1/2 F1960 x 3/8 OD Comp	521-PRPX3-31	16.38	24/144
ANG	CP	1/2 F1960 x 3/8 OD Comp	611-PRPX3-31	15.46	24/144
ANG	RB	1/2 F1960 x 3/8 OD Comp	621-PRPX3-31	15.20	24/144
ANG	CP	1/2 F1960 x 1/2 NPSM	611-PRPX3-05	17.95	24/144

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F2080 x 1/4 OD Comp	511-EV3-30	26.03	24/144
STR	RB	1/2 F2080 x 1/4 OD Comp	521-EV3-30	23.96	24/144
ANG	CP	1/2 F2080 x 1/4 OD Comp	611-EV3-30	25.33	24/144
ANG	RB	1/2 F2080 x 1/4 OD Comp	621-EV3-30	25.08	24/144
STR	CP	1/2 F2080 x 3/8 OD Comp	511-EV3-31	23.58	24/144
STR	RB	1/2 F2080 x 3/8 OD Comp	521-EV3-31	20.54	24/144
ANG	CP	1/2 F2080 x 3/8 OD Comp	611-EV3-31	22.83	24/144
ANG	RB	1/2 F2080 x 3/8 OD Comp	621-EV3-31	21.62	24/144
ANG	CP	1/2 F2080 x 1/2 NPSM	611-EV3-05	22.97	24/144

PEX-AL-PEX - COMPRESSION

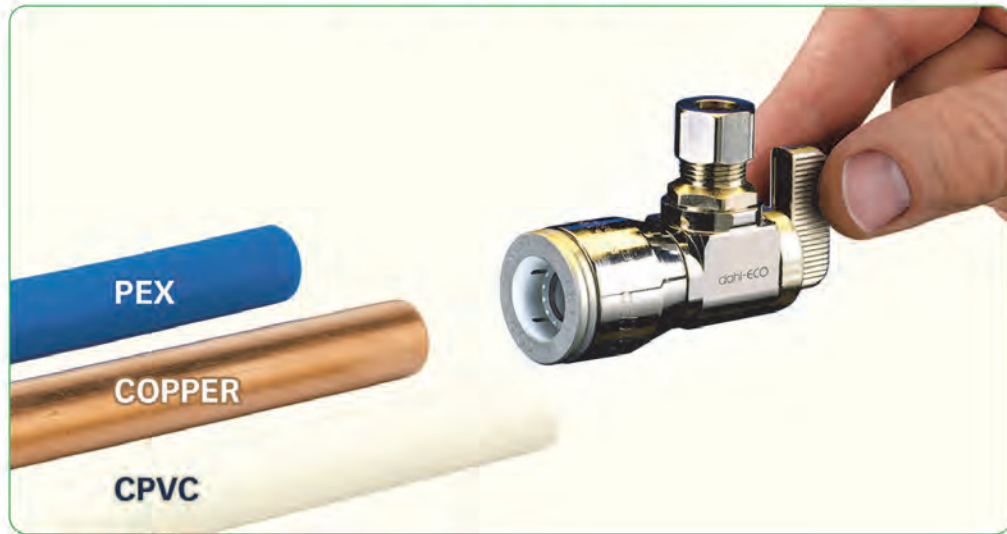


Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp	511-K3-31	34.63	24/144
ANG	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp	611-K3-31	33.99	18/108
STR	RB	1/2 PEX-AL-PEX Comp x 3/8 OD Comp	521-K3-31	34.38	18/108
ANG	RB	1/2 PEX-AL-PEX Comp x 3/8 OD Comp	621-K3-31	33.63	18/108

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

THE DAHL **QUICK-GRIP™** CONNECTION SIMPLY PUSH IT ON!



- For 1/2" Copper - No compression, no soldering – great for wet pipe.
- For 1/2" PEX - No crimping, just use the supplied tube insert
- For 1/2" CPVC - No gluing

SIMPLE TO INSTALL – PUSH IT ON!

Cut pipe, deburr, clean and push it on!

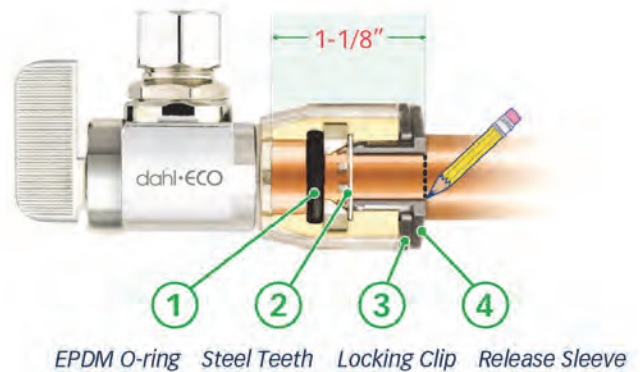
RELIABLE

Withstood pipe burst pressure when tested.

EASY REMOVAL AND RE-USE

NO DISCONNECTED TOOL REQUIRED.

Dahl originated the hand-operated Release Sleeve.
Follow installation instructions for removal.



REDUCES YOUR INVENTORY!

One connection for three different pipe types.

CERTIFIED & CODE COMPLIANT

CSA and IAPMO approved to ASSE 1061, NSF/ANSI 61-G

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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mini-ball™ valves

Supply Stops



QUICK-GRIP™ (COPPER, PEX, CPVC)



QUICK-GRIP™ Simply clean, de-burr the pipe and **PUSH IT ON!**

- For 1/2" Copper - No compression, no soldering – great for wet pipe.
- For 1/2" PEX - No crimping, just use the supplied tube insert
- For 1/2" CPVC - No gluing

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 QUICK-GRIP™ x 1/4 OD Comp	521-QG3-30	25.18	12/72
ANG	RB	1/2 QUICK-GRIP™ x 1/4 OD Comp	621-QG3-30	24.43	12/72
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp	511-QG3-31	22.92	12/72
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp	611-QG3-31	22.17	12/72
ANG	RB	1/2 QUICK-GRIP™ x 3/8 OD Comp	621-QG3-31	21.93	12/72
STR	CP	1/2 QUICK-GRIP™ x 1/2 OD Comp	511-QG3-32	26.68	12/72
ANG	CP	1/2 QUICK-GRIP™ x 1/2 OD Comp	611-QG3-32	25.93	12/72

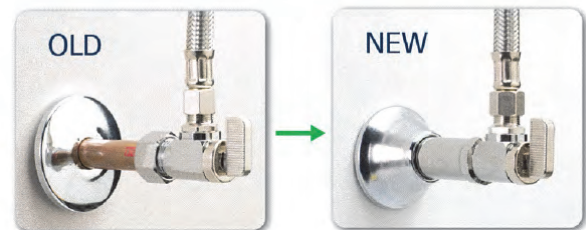
mini-ball™ valves

Supply Stops

Finishing Valves



- Ideal for toilets, pedestal sinks, and bidets
- Installs easily
- No Soldering required!
- Models also available for IRON and PEX pipes
- Cover the stub-out pipe with the chrome finished coupling and Rust Proof Escutcheon



COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	5/8 OD Comp 2-1/2" Ext. x 3/8 OD Comp	511-33LE-31	35.65	8/48
ANG	CP	5/8 OD Comp 2-1/2" Ext. x 3/8 OD Comp	611-33LE-31	34.04	8/48
ANG	CP	5/8 OD Comp 2-1/2" Ext. x 1/2 NPSM	611-33LE-05	36.55	8/48

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 MIP 2-1/2" Ext. x 3/8 OD Comp	511-63LE-31	36.75	8/48
ANG	CP	1/2 MIP 2-1/2" Ext. x 3/8 OD Comp	611-63LE-31	36.00	8/48
STR	CP	1/2 MIP 2-1/2" Ext. x 3/8 FIP	511-63LE-52	38.15	8/48
ANG	CP	1/2 MIP 2-1/2" Ext. x 3/8 FIP	611-63LE-52	37.40	8/48

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Crimpex Ext. x 3/8 OD Comp	511-PX3LE-31	30.95	8/48
ANG	CP	1/2 Crimpex Ext. x 3/8 OD Comp	611-PX3LE-31	30.20	8/48

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F1960 Ext. x 3/8 OD Comp	511-PRPX3LE-31	34.58	8/48
ANG	CP	1/2 F1960 Ext. x 3/8 OD Comp	611-PRPX3LE-31	33.83	8/48

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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mini-ball™ valves

Supply Stops Retrofit



Swivel Nut

#511-41-31

- Add a 1/4 Turn **mini-ball™** valve in seconds!
- Piggy-back onto old adapter or valve
- Leave old joints in place
- Available in 3 sizes to retrofit to
3/8 OD, 1/2 OD or 5/8 OD Compression fittings



RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 OD Fem. Comp x 1/4 OD Comp	511-41-30	21.70	24/144
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp	511-41-31	18.68	24/144
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp	611-41-31	22.09	24/144
STR	CP	1/2 OD Fem. Comp x 1/4 OD Comp	511-42-30	40.58	24/144
STR	CP	1/2 OD Fem. Comp x 3/8 OD Comp	511-42-31	36.81	24/144
ANG	CP	1/2 OD Fem. Comp x 3/8 OD Comp	611-42-31	37.58	24/144
STR	CP	1/2 OD Fem. Comp x 1/2 OD Comp	511-42-32	41.83	24/144
ANG	CP	1/2 OD Fem. Comp x 1/2 OD Comp	611-42-32	42.58	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Supply Stops

Skirted Toilet Kits



The Hard Way

With a standard supply stop, the stub-out has to be moved because the handle interferes with the toilet skirt



The dahl Way

Our Skirted Toilet Kit is designed to use the existing stub-out

- For Skirted Toilets
- Eliminates the need to re-pipe
- Available for all common pipe types

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	5/8 OD Comp x 3/8 OD Comp	E33-2386-A	42.52	10/60

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 FIP x 3/8 OD Comp	E53-2386-A	42.76	10/60

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Crimpex x 3/8 OD Comp	EPX3-2386-A	37.50	10/60

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp	EQG3-2386-A	50.15	10/60

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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mini-ball™ valves

Dual Outlet Valves



- Compact design
- For dishwasher, water-filter, icemaker, instant hot and many other appliances
- Available with red or blue handles
- Available with Loose Key operation

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	511-33-31-30	32.38	12/72
ANG	CP	5/8 OD Comp x 1/2 Fem. Solder or 1/2 MIP x 1/4 OD Comp	611-33-01-30	32.56	12/72
ANG	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	611-33-31-30	29.80	12/72
STR	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	511-33-31-31	31.75	12/72
ANG	CP	5/8 OD Comp x 1/2 Fem. Solder or 1/2 MIP x 3/8 OD Comp	611-33-01-31	32.52	12/72
ANG	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	611-33-31-31	29.18	12/72

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Fem. Solder x 3/8 OD Comp x 1/4 OD Comp	511-13-31-30	34.68	12/72
STR	CP	1/2 Fem. Solder x 3/8 OD Comp x 3/8 OD Comp	511-13-31-31	34.05	12/72
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp x 3/8 OD Comp	611-13-31-31	35.04	12/72
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp x 1/4 OD Comp	611-13-31-30	34.68	12/72

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/4 OD Comp	611-46-31-30	29.80	12/72
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp x 3/8 OD Comp	611-46-31-31	19.18	12/72
STR	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/4 OD Comp	511-46-31-30	29.80	12/72
STR	CP	1/2 Fem. CPVC x 3/8 OD Comp x 3/8 OD Comp	511-46-31-31	29.18	12/72

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 FIP x 3/8 OD Comp x 1/4 OD Comp	511-53-31-30	35.96	12/72
ANG	CP	1/2 FIP x 1/2 Fem. Solder or 1/2 MIP x 1/4 OD Comp	611-53-01-30	37.52	12/72
ANG	CP	1/2 FIP x 3/8 OD Comp x 1/4 OD Comp	611-53-31-30	35.96	12/72
STR	CP	1/2 FIP x 3/8 OD Comp x 3/8 OD Comp	511-53-31-31	35.33	12/72
ANG	CP	1/2 FIP x 1/2 Fem. Solder or 1/2 MIP x 3/8 OD Comp	611-53-01-31	37.47	12/72
ANG	CP	1/2 FIP x 3/8 OD Comp x 3/8 OD Comp	611-53-31-31	35.33	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Dual Outlet Valves

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	511-PX3-31-31	26.50	12/72
ANG	CP	1/2 Crimpex x 3/8 OD Comp x 1/4 OD Comp	611-PX3-31-30	27.13	12/72
ANG	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	611-PX3-31-31	26.50	12/72

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F1960 x 3/8 OD Comp x 1/4 OD Comp	511-PRPX3-31-30	27.81	12/72
STR	CP	1/2 F1960 x 3/8 OD Comp x 3/8 OD Comp	511-PRPX3-31-31	30.31	12/72
ANG	CP	1/2 F1960 x 3/8 OD Comp x 1/4 OD Comp	611-PRPX3-31-30	30.93	12/72
ANG	CP	1/2 F1960 x 3/8 OD Comp x 3/8 OD Comp	611-PRPX3-31-31	30.31	12/72

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 F2080 x 3/8 OD Comp x 3/8 OD Comp	611-EV3-31-31	33.21	12/72
ANG	CP	1/2 F2080 x 3/8 OD Comp x 1/4 OD Comp	611-EV3-31-30	33.70	12/72
STR	CP	1/2 F2080 x 3/8 OD Comp x 3/8 OD Comp	511-EV3-31-31	33.21	12/72
STR	CP	1/2 F2080 x 3/8 OD Comp x 1/4 OD Comp	511-EV3-31-30	33.70	12/72

PEX-AL-PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp x 1/4 OD Comp	511-K3-31-30	44.48	12/72
STR	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp x 3/8 OD Comp	511-K3-31-31	43.85	12/72

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	511-QG3-31-30	36.83	12/72
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	511-QG3-31-31	36.36	12/72
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	611-QG3-31-30	36.83	12/72
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	611-QG3-31-31	36.36	12/72

RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 1/4 OD Comp	511-41-31-30	35.00	12/72
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 3/8 OD Comp	511-41-31-31	34.37	12/72
STR	CP	3/8 OD Fem. Comp x 1/4 OD Comp x 1/4 OD Comp	511-41-30-30	35.63	12/72
ANG	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 1/4 OD Comp	611-41-31-30	35.00	12/72
ANG	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 3/8 OD Comp	611-41-31-31	34.38	12/72
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 1/2 OD Comp	511-41-31-32	38.13	12/72

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mini-ball™ valves

Dual Shut-Off Valves

4000 Series

Tee + 2 Angle

BRANCH

OUTLET



INLET

5000 Series

Tee + 2 Straight

OUTLET

BRANCH



INLET

6000 Series

Tee + 1 Angle + 1 Straight

BRANCH

INLET



OUTLET



Valves swivel to any orientation to suit clean and easy riser hook up

- Ideal for faucet, dishwasher, water-filter, icemaker, instant hot, or any other appliances
- May also be used for eyewash hook-ups, expansion tank/boiler fill and many other applications
- Available with Water Hammer Arrester, see **Water Hammer Arrester Valves** section

COPPER - COMPRESSION



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	E33-4000	52.37	6/36
4000	2 ANG	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	E33-4001	51.99	6/36
4000	2 ANG	CP	5/8 OD Comp x 3/8 OD Comp x 1/2 OD Comp	E33-4002	54.35	6/36
5000	2 STR	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	E33-5000	54.50	6/36
5000	2 STR	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	E33-5001	52.78	6/36
5000	2 STR	CP	5/8 OD Comp x 3/8 OD Comp x Male Hose	E33-5003	53.35	6/36
6000	1 ANG, 1 STR	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	E33-6000	53.82	6/36
6000	1 ANG, 1 STR	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	E33-6001	52.10	6/36

CPVC - FEMALE



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
6000	1 ANG, 1 STR	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/4 OD Comp	E46-6000	55.58	6/36

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Dual Shut-Off Valves

IRON - NPT FEMALE



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	1/2 FIP x 3/8 OD Comp x 1/4 OD Comp	E53-4000	56.36	6/36
4000	2 ANG	CP	1/2 FIP x 3/8 OD Comp x 3/8 OD Comp	E53-4001	55.96	6/36
4000	2 ANG	CP	1/2 FIP x 3/8 OD Comp x Male Hose	E53-4003	55.55	6/36
5000	2 STR	CP	1/2 FIP x 3/8 OD Comp x 1/2 OD Comp	E53-5002	60.88	6/36
6000	1 ANG, 1 STR	CP	1/2 FIP x 3/8 OD Comp x 1/4 OD Comp	E53-6000	58.22	6/36
6000	1 ANG, 1 STR	CP	1/2 FIP x 3/8 OD Comp x 3/8 OD Comp	E53-6001	56.63	6/36
6000	ANG	CP	1/2 FIP x 3/8 OD Comp x Male Hose	E53-6003	57.48	6/36

PEX - CRIMP



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
5000	2 STR	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-5001	50.68	6/36
4000	2 ANG	CP	1/2 Crimpex x 3/8 OD Comp x 1/4 OD Comp	EPX3-4000	52.87	6/36
5000	2 STR	CP	1/2 Crimpex x 3/8 OD Comp x 1/4 OD Comp	EPX3-5000	51.50	6/36
6000	1 ANG, 1 STR	CP	1/2 Crimpex x 3/8 OD Comp x 1/4 OD Comp	EPX3-6000	51.43	6/36
4000	2 ANG	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-4001	52.67	6/36
6000	1 ANG, 1 STR	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-6001	50.38	6/36

PEX - F1960



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	1/2 F1960 x 3/8 OD Comp x 1/4 OD Comp	EPRPX3-4000	62.92	6/36
5000	2 STR	CP	1/2 F1960 x 3/8 OD Comp x 1/4 OD Comp	EPRPX3-5000	63.68	6/36
6000	1 ANG, 1 STR	CP	1/2 F1960 x 3/8 OD Comp x 1/4 OD Comp	EPRPX3-6000	63.88	6/36
4000	2 ANG	CP	1/2 F1960 x 3/8 OD Comp x 3/8 OD Comp	EPRPX3-4001	62.66	6/36
5000	2 STR	CP	1/2 F1960 x 3/8 OD Comp x 3/8 OD Comp	EPRPX3-5001	62.72	6/36
6000	1 ANG, 1 STR	CP	1/2 F1960 x 3/8 OD Comp x 3/8 OD Comp	EPRPX3-6001	62.66	6/36

QUICK-GRIP™ (COPPER, PEX, CPVC)



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-4001	55.90	6/36
5000	2 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-5001	55.90	6/36
4000	2 ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-4000	58.35	6/36
5000	2 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-5000	55.90	6/36
6000	1 ANG, 1 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-6000	55.90	6/36
6000	1 ANG, 1 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-6001	55.90	6/36

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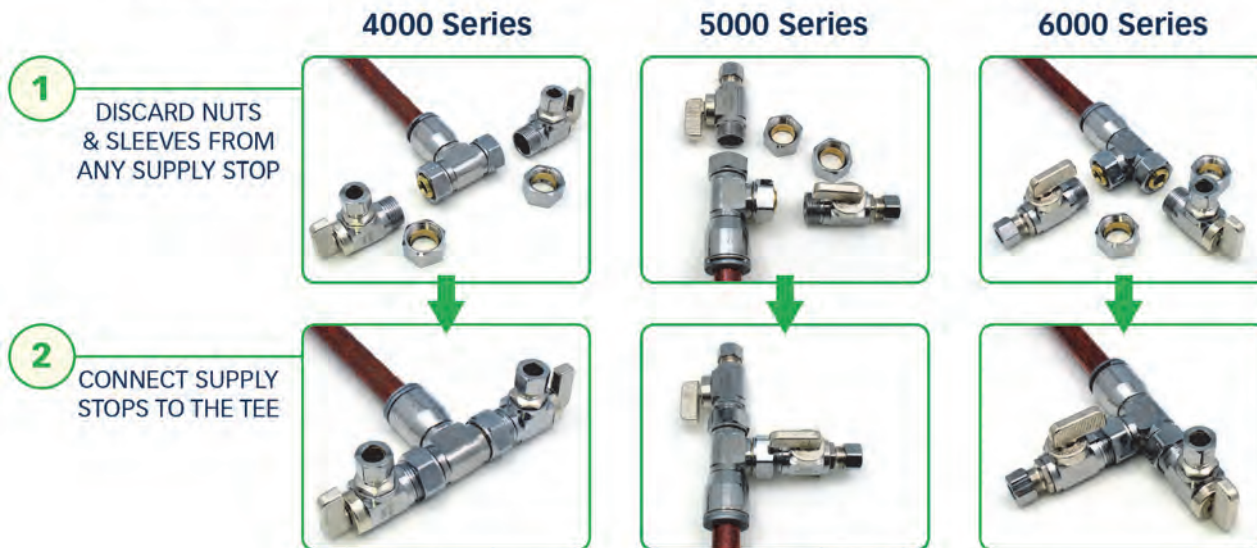
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mini-ball™ valves

Dual Shut-Off Valves

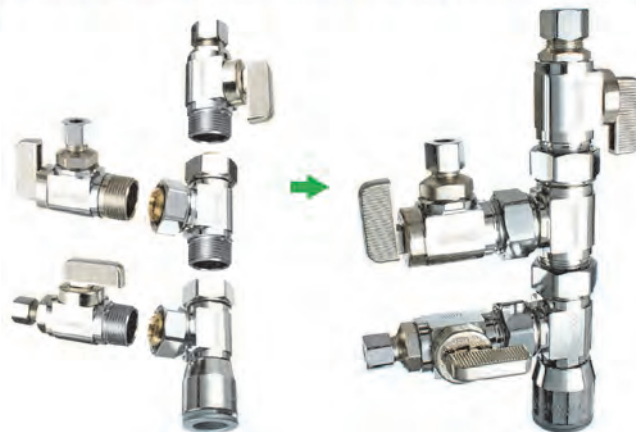
Universal Tee

CONFIGURE DUAL SHUT-OFF VALVES WITH UNIVERSAL TEES



- Reduce Inventory
- Configure your own Dahl Shut-off Valve with ANY two Supply Stops
- (with 5/8 OD Fem. Comp Inlet) and Dahl's Universal Tee
- Mechanical union joint (with female/reverse comp) swivels to position
- No need for Teflon tape or pipe dope
- 2 styles of Tee = 3 styles of Dual Shut-Off Valve

CONFIGURE MULTIPLE SHUT-OFFS WITH ADDITIONAL TEES



COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	5/8 OD Comp x 5/8 OD Fem. Comp x 5/8 OD Fem. Comp	E33-43-43-PL	21.20	24/144
TEE	CP	5/8 OD Fem. Comp x 5/8 OD Fem. Comp x 5/8 OD Comp	E43-43-33-PL	21.20	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Dual Shut-Off Valves

Universal Tee

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	1/2 Fem. CPVC x 5/8 OD Fem. Comp x 5/8 OD Fem. Comp	E46-43-43-PL	22.85	24/144
TEE	CP	5/8 OD Fem. Comp x 5/8 OD Fem. Comp x 1/2 Fem. CPVC	E43-43-46-PL	22.85	24/144

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	5/8 OD Fem. Comp x 5/8 OD Fem. Comp x 1/2 FIP	E43-43-53-PL	25.31	24/144
TEE	CP	1/2 FIP x 5/8 OD Fem. Comp x 5/8 OD Fem. Comp	E53-43-43-PL	25.31	24/144

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	1/2 Crimpex x 5/8 OD Fem. Comp x 5/8 OD Fem. Comp	EPX3-43-43-PL	20.45	24/144
TEE	CP	5/8 OD Fem. Comp x 5/8 OD Fem. Comp x 1/2 Crimpex	E43-43-PX3-PL	20.45	24/144

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	5/8 OD Fem. Comp x 5/8 OD Fem. Comp x 1/2 QUICK-GRIP™	E43-43-QG3-PL	22.80	12/72
TEE	CP	1/2 QUICK-GRIP™ x 5/8 OD Fem. Comp x 5/8 OD Fem. Comp	EQG3-43-43-PL	22.80	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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mini-ball™ valves

Supply Kits

Faucet / Lavatory

- Various kits are available with different supply stops to suit the specific pipe type



- Braided Hose Kits for "re-fit" jobs may be ordered less ALL valve inlet compression nuts & sleeves, and less escutcheons
- This option applies only to kits that contain valves with compression inlets, typically 5/8 OD Comp
- To specify this option, add suffix "LNE" to the part numbers - For example: E33-2278-LNE

COPPER - COMPRESSION

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/ Mstr
ANG	CP	5/8 OD Comp x 3/8 OD Comp x 1/2 FIP	E33-2277	50.85	16"	25
ANG	CP	5/8 OD Comp x 3/8 OD Comp less nut & sleeve x 1/2 FIP	E33-2278	53.38	20"	20
STR	CP	5/8 OD Comp x 3/8 OD Comp less nut & sleeve x 1/2 FIP	E33-2298	54.58	20"	20
ANG	CP	5/8 OD Comp x 1/2 NPSM	E33-2367	60.12	20"	20

COPPER - SOLDER FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/ Mstr
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp x 1/2 FIP	E13-2277	52.18	16"	25
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp less nut & sleeve x 1/2 FIP	E13-2278	52.23	20"	20

CPVC - FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/ Mstr
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/2 FIP	E46-2277	58.53	16"	25
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/2 FIP	E46-2278	60.73	20"	20
STR	CP	1/2 Fem. CPVC x 3/8 OD Comp x 1/2 FIP	E46-2297	60.46	20"	25

IRON - NPT FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/ Mstr
ANG	CP	1/2 FIP x 3/8 OD Comp x 1/2 FIP	E53-2278	62.46	20"	20
STR	CP	1/2 FIP x 3/8 OD Comp x 1/2 FIP	E53-2298	64.76	20"	20

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Supply Kits

Faucet / Lavatory

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/ Mstr
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/2 FIP	EQG3-2277	67.13	16"	25
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp less nut & sleeve x 1/2 FIP	EQG3-2278	74.73	20"	20
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/2 FIP	EQG3-2297	69.13	16"	25
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp less nut & sleeve x 1/2 FIP	EQG3-2298	76.63	20"	20

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mini-ball™ valves

Supply Kits

Toilet / Closet

- Kits are available with supply stops to suit the specific pipe type



- Braided Hose Kits for "re-fit" jobs may be ordered less ALL valve inlet compression nuts & sleeves, and less escutcheons.
- This option applies only to kits that contain valves with compression inlets, typically 5/8 OD Comp.
- To specify this option, add suffix "LNE" to the part numbers - For example: **E33-2276-LNE**

COPPER - COMPRESSION

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/Mstr
ANG	CP	5/8 OD Comp x 3/8 OD Comp less nut & sleeve x 7/8 BC	E33-2276	24.44	12"	25
STR	CP	5/8 OD Comp x 3/8 OD Comp less nut & sleeve x 7/8 BC	E33-2296	25.76	12"	25

COPPER - SOLDER FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/Mstr
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp less nut & sleeve x 7/8 BC	E13-2276	28.59	12"	25
STR	CP	1/2 Fem. Solder x 3/8 OD Comp less nut & sleeve x 7/8 BC	E13-2296	28.91	12"	25

CPVC - FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/Mstr
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp less nut & sleeve x 7/8 BC	E46-2276	28.38	12"	25

IRON - NPT FEMALE

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/Mstr
ANG	CP	1/2 FIP x 3/8 OD Comp less nut & sleeve x 7/8 BC	E53-2276	27.81	12"	25

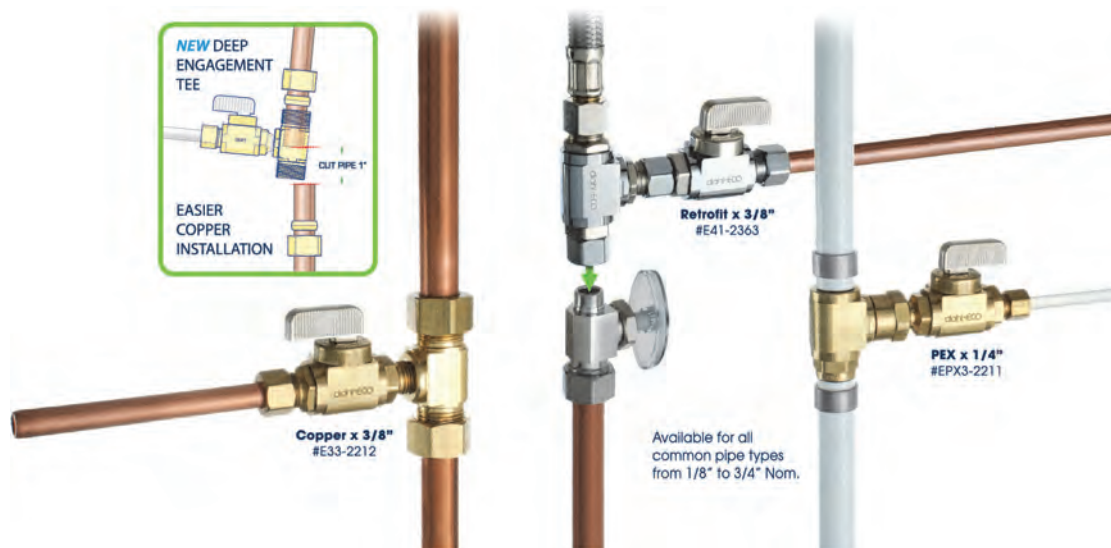
QUICK-GRIP™ (COPPER, PEX, CPVC)

Pattern	Finish	Description	Part Number	List US\$	Riser Length	Box/Mstr
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp less nut & sleeve x 7/8 BC	EQG3-2276	35.75	12"	25
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp less nut & sleeve x 7/8 BC	EQG3-2296	36.70	12"	25

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Tee + Valve Kits



Dishwasher / Water Filters

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	5/8 OD Comp x 5/8 OD Comp x 3/8 OD Comp	E33-2212	33.20	10/60

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 QUICK-GRIP™ x 1/2 QUICK-GRIP™ x 3/8 OD Comp	EQG3-2212	45.98	10/60

Humidifiers / Ice makers / Instant Hots

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	5/8 OD Comp x 5/8 OD Comp x 1/4 OD Comp	E33-2211	34.78	10/60

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Crimpex x 1/2 Crimpex x 1/4 OD Comp	EPX3-2211	34.73	10/60

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mini-ball™ valves

Tee + Valve Kits

Humidifiers / Ice makers / Instant Hots

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 QUICK-GRIP™ x 1/2 QUICK-GRIP™ x 1/4 OD Comp	EQG3-2211	47.30	10/60

Specialty

RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 1/4 OD Comp	E41-2236	47.65	10/60
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 3/8 OD Comp	E41-2363	46.30	10/60

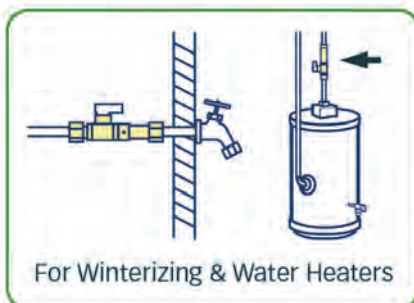
mini-ball™ valves

No Solder Replacement Valves

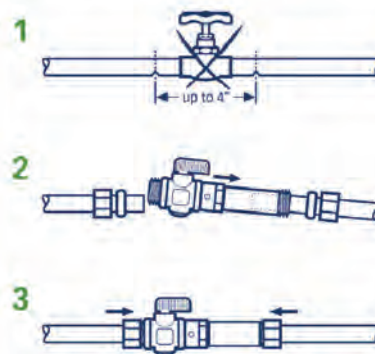
NO SOLDERING REQUIRED!



- Better flow than old globe valves
- Replace old valves quickly
- Safe when soldering is not
- Available for 1/2" or 3/4" copper pipe



3 EASY STEPS:



Installs easily even on wet pipe

COMPARE THE FLOW:

Cv = Flow in USGPM with 1 PSI pressure drop	Globe Valve	No Solder Valve
	1/2" - 15 USGPM Cv = 2.3	Cv = 7.5
3/4" - 30 USGPM	Cv = 4.0	Cv = 6.5

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	5/8 OD Comp x 5/8 OD Comp Long	521LB-33-33L	39.70	6
STR	RB	5/8 OD Comp x 5/8 OD Comp Long w/Drain	521LB-33-33LD	46.05	6
STR	RB	7/8 OD Comp x 7/8 OD Comp Long	521-35-35L	63.29	6/36
STR	RB	7/8 OD Comp x 7/8 OD Comp Long w/Drain	521-35-35LD	69.64	6/36

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mini-ball™ valves

Outlet Box Valves

Outlet Boxes Sold By Others

- Washing machines
- Icemakers
- For all common pipe types
- With or without shank nut
- Also available with 3/8 OD Comp outlet for Vanity applications



Icemakers

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Fem. Solder Longshank x 1/4 OD Comp	621-08-30	29.50	20/120

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	3/8 Crimpex Longshank x 1/4 OD Comp	621-PX2L-30	25.31	12/72
ANG	RB	1/2 Crimpex Longshank x 1/4 OD Comp	621-PX3L-30	29.13	20/120

Washing Machines

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Fem. Solder Longshank x Male Hose	221-08-04	21.65	20/120
ANG	RB	1/2 Fem. Solder Longshank x Male Hose, Pkg of 2	221-08-04PK2	54.51	10/60
ANG	RB	1/2 Fem. Solder Longshank x Male Hose Lead - Free	621-08-04	28.78	20/120
ANG	RB	1/2 Fem. Solder Longshank x Male Hose, Pkg of 2 Lead - Free	621-08-04PK2	57.80	10/60

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Crimpex Longshank x Male Hose	221-PX3L-04	CDA	20/120
ANG	RB	1/2 Crimpex Longshank x Male Hose, Pkg of 2	221-PX3L-04PK2	CDA	10/60
ANG	RB	1/2 Crimpex Longshank x Male Hose Lead - Free	621-PX3L-04	25.70	20/120
ANG	RB	1/2 Crimpex Longshank x Male Hose, Pkg of 2 Lead - Free	621-PX3L-04PK2	52.40	10/60

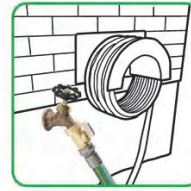
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mini-ball™ valves

Hose and Boiler Drain - Lead-Free

For Use with:

- Garden Hose
- Washing Machine
- Boiler Drain



Available with:

- Tamper-resistant Loose-Key operation



- With Drip Cap or Cap & Chain



- Male and Female hose connections



- 1/2 Fem. Solder or 1/2 MIP connection



COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	5/8 OD Comp x Male Hose	511-33-04	19.08	24/144
ANG	CP	5/8 OD Comp x Male Hose	611-33-04	18.33	24/144
ANG	CP	5/8 OD Comp x Male Hose, Pkg of 2	611-33-04PK2	37.66	12/72
ANG	RB	5/8 OD Comp x Hose	621-33-04	18.08	24/144
ANG	RB	5/8 OD Comp x Male Hose, Pkg of 2	621-33-04PK2	37.15	12/72

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x Male Hose	521-13-04	18.08	24/144
ANG	RB	1/2 Fem. Solder x Male Hose	621-13-04	17.33	24/144

COPPER - SOLDER MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Male Solder x Male Hose	521-23-04	19.63	24/144
ANG	RB	1/2 Male Solder x Hose	621-23-04	18.78	24/144

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. CPVC x Male Hose	611-46-04	20.40	24/144
ANG	RB	1/2 Fem. CPVC x Male Hose	621-46-04	19.30	24/144

HOSE-MATE™



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	Male Hose x Fem. Hose	521-04-04F	19.65	24/144
ANG	RB	Fem. Hose x Male Hose	621-04F-04	23.18	24/144
STR	RB	Male Hose x Fem. Hose	521LB-04-04F	31.73	12/72

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mini-ball™ valves

Hose and Boiler Drain - Lead-Free

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 FIP x Male Hose	611-53-04	19.96	24/144
ANG	RB	1/2 FIP x Male Hose	621-53-04	19.00	24/144
ANG	RB	1/2 FIP x Male Hose, Pkg of 2	621-53-04PK2	39.00	12/72
STR	RB	1/2 FIP x Male Hose	521-53-04	23.78	24/144
STR	RB	3/8 FIP x Male Hose	521-52-04	30.05	24/144

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose	521-01-04	22.78	24/144
ANG	CP	1/2 Fem. Solder or 1/2 MIP x Male Hose	611-01-04	20.08	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose	621-01-04	17.55	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose With Cap & Chain	621DH-01-04CC	28.20	12/72
STR	RB	3/8 MIP x Male Hose	521-62-04	22.13	24/144
STR	RB	1/4 MIP x Male Hose	521-61-04	20.27	24/144
ANG	RB	3/4 MIP x Male Hose	621-64-04	28.63	12/72
STR	RB	3/4 MIP x Male Hose	521LB-64-04	29.58	12/72
STR	RB	1/2 Fem. Solder or 1/2 MIP x Fem. Swivel Hose	521-01-04F	23.13	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose, Pkg of 2	621-01-04PK2	36.10	12/72

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Crimpex x Male Hose	621-PX3-04	16.80	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F1960 x Male Hose	621-PRPX3-04	18.83	24/144

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F2080 x Male Hose	621-EV3-04	21.77	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

mini-ball™ valves

Hose and Boiler Drain - Not for Potable

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	5/8 OD Comp x Male Hose	211-33-04	14.98	24/144
ANG	CP	5/8 OD Comp x Male Hose, Pkg of 2	211-33-04PK2	30.96	12/72
ANG	RB	5/8 OD Comp x Male Hose	221-33-04	14.15	24/144
ANG	RB	5/8 OD Comp x Male Hose, Pkg of 2	221-33-04PK2	29.30	12/72
STR	CP	5/8 OD Comp x Male Hose	111-33-04	Call	24/144

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x Male Hose	121-13-04	19.48	24/144
ANG	RB	1/2 Fem. Solder x Male Hose	221-13-04	16.48	24/144

COPPER - SOLDER MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Male Solder x Male Hose	121-23-04	20.18	24/144
ANG	RB	1/2 Male Solder x Male Hose	221-23-04	17.12	24/144

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. CPVC x Male Hose	211-46-04	16.33	24/144
ANG	RB	1/2 Fem. CPVC x Male Hose	221-46-04	16.08	24/144

HOSE-MATE™



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	Male Hose x Fem. Hose	121-04-04F	16.81	24/144
STR	RB	Male Hose x Fem. Hose	121LB-04-04F	29.01	12/72
ANG	RB	Fem. Hose x Male Hose	221-04F-04	19.57	24/144

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 FIP x Male Hose	211-53-04	16.69	24/144
ANG	RB	1/2 FIP x Male Hose	221-53-04	Call	24/144
ANG	RB	1/2 FIP x Male Hose, Pkg of 2	221-53-04PK2	Call	12/72
STR	RB	1/2 FIP x Male Hose	121-53-04	19.03	24/144
STR	RB	3/8 FIP x Male Hose	121-52-04	19.85	24/144

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mini-ball™ valves

Hose and Boiler Drain - Not for Potable

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. Solder or 1/2 MIP x Male Hose	211-01-04	16.90	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose	221-01-04	13.55	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose, Pkg of 2	221-01-04PK2	28.13	12/72
ANG	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose With Cap & Chain	221DH-01-04CC	24.20	12/72
ANG	RB	3/4 MIP x Male Hose	221-64-04	28.81	12/72
STR	RB	1/2 Fem. Solder or 1/2 MIP x Male Hose	121-01-04	17.57	24/144
STR	RB	1/2 Fem. Solder or 1/2 MIP x Fem. Swivel Hose	121-01-04F	21.33	24/144
STR	RB	1/4 MIP x Male Hose	121-61-04	18.14	24/144
STR	RB	3/8 MIP x Male Hose	121-62-04	18.19	24/144
STR	RB	3/4 MIP x Male Hose	121LB-64-04	30.23	12/72

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Crimpex x Male Hose	221-PX3-04	15.79	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F1960 x Male Hose	221-PRPX3-04	16.96	24/144

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F2080 x Male Hose	221-EV3-04	19.09	24/144

mini-ball™ valves

In-line Stops with Drain

- Working pressure/temp up to 250PSI/250°F, depending on pipe type and connection
- Suitable for plumbing or heating
- Large Bore available on select models

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder w/Drain	521-13-13D	21.15	24/144
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder w/Drain	521LB-13-13D	28.35	12/72
STR	RB	3/4 Fem. Solder x 3/4 Fem. Solder w/Drain	521-14-14D	32.03	12/72
STR	RB	3/4 Fem. Solder x 3/4 Crimpex w/Drain	521-14-PX5D	34.17	12/72

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. CPVC x 1/2 Fem. CPVC w/Drain	521-46-46D	26.08	12/72
STR	RB	1/2 Fem. CPVC x 1/2 Fem. CPVC w/Drain	521LB-46-46D	Call	12/72

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Crimpex x 1/2 Crimpex w/Drain	521-PX3-PX3D	23.90	24/144
STR	RB	3/4 Crimpex x 3/4 Crimpex w/Drain	521-PX5-PX5D	27.65	12/72

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 F1960 x 1/2 F1960 w/Drain, Large Bore	521LB-PRPX3-PRPX3D	30.60	12/72
STR	RB	1/2 F1960 x 1/2 F1960 w/Drain	521-PRPX3-PRPX3D	22.98	24/144
STR	RB	3/4 F1960 x 3/4 F1960 w/Drain	521-PRPX5-PRPX5D	32.92	24/144

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 F2080 x 1/2 F2080 w/Drain	521-EV3-EV3D	27.75	24/144

PEX-AL-PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 PEX-AL-PEX Comp w/Drain	521-K3-K3D	35.50	12/72

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 QUICK-GRIP™ x 1/2 QUICK-GRIP™ w/Drain	521LB-QG3-QG3D	30.43	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

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COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/4 OD Comp x 1/4 OD Comp	511-30-30	21.06	24/144
STR	RB	1/4 OD Comp x 1/4 OD Comp	521-30-30	18.95	24/144
STR	CP	3/8 OD Comp x 3/8 OD Comp	511-31-31	19.13	24/144
STR	RB	3/8 OD Comp x 3/8 OD Comp	521-31-31	19.64	24/144
STR	CP	1/2 OD Comp x 1/4 OD Comp	511-32-30	22.23	24/144
ANG	CP	5/8 OD Comp x 1/2 Fem. Solder or 1/2 MIP	611-33-01	23.54	24/144
STR	CP	5/8 OD Comp x 5/8 OD Comp	511-33-33	26.33	24/144
STR	RB	5/8 OD Comp x 5/8 OD Comp	521LB-33-33	25.25	12/72
ANG	CP	5/8 OD Comp x 1/2 FIP	611-33-53	27.10	24/144

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder or 1/2 MIP	521-13-01	20.37	24/144
ANG	CP	1/2 Fem. Solder x 1/2 Fem. Solder or 1/2 MIP	611-13-01	24.43	24/144
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder	521-13-13	16.45	24/144
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder	521LB-13-13	22.00	24/144
ANG	RB	1/2 Fem. Solder x 1/2 Fem. Solder	621-13-13	25.75	24/144
STR	RB	1/2 Fem. Solder x 1/2 Male Solder	521-13-23	19.25	24/144
STR	RB	1/2 Fem. Solder x 1/2 Male Solder	521LB-13-23	25.80	24/144
STR	RB	1/2 Fem. Solder x 1/2 (5/8 OD) Compex	521-13-CPX3	26.48	12/72
STR	RB	1/2 Fem. Solder x 1/2 PEX-AL-PEX Comp	521-13-K3	31.13	18/108
STR	RB	1/2 Fem. Solder x 3/8 Crimpex	521-13-PX2	19.75	24/144
STR	RB	1/2 Fem. Solder x 1/2 Crimpex	521-13-PX3	16.95	24/144
STR	RB	3/4 Fem. Solder x 3/4 Fem. Solder	521-14-14	25.68	12/72
STR	RB	3/4 Fem. Solder x 3/4 Male Solder	521-14-24	27.78	12/72
STR	RB	3/4 Fem. Solder x 3/4 FIP	521-14-54	34.23	12/72
STR	RB	3/4 Fem. Solder x 5/8 (3/4 OD) Compex, Not for Potable	121-14-CPX4	36.48	12/72
STR	RB	3/4 Fem. Solder x 3/4 (7/8 OD) Compex	521-14-CPX5	39.73	6/36
STR	RB	3/4 Fem. Solder x 5/8 PEX-AL-PEX Comp, Not for Potable	121-14-K4	40.03	12/72
STR	RB	1/2 Fem. Solder x 1/2 Crimpex, Not for Potable	121-13-PX3	14.74	24/144
STR	RB	3/4 Fem. Solder x 3/4 Crimpex, Not for Potable	121-14-PX5	23.13	12/72
STR	RB	3/4 Fem. Solder x 3/4 Crimpex	521-14-PX5	27.82	12/72
STR	RB	1/2 Fem. Solder x 1/2 F1960	521-13-PRPX3	17.50	24/144
STR	RB	1/2 Fem. Solder x 1/2 F1960	521LB-13-PRPX3	26.63	12/72
STR	RB	3/4 Fem. Solder x 5/8 F1960, Not for Potable	121-14-PRPX4	36.50	12/72
STR	RB	3/4 Fem. Solder x 3/4 F1960	521-14-PRPX5	29.39	12/72
STR	RB	1/2 Fem. Solder x 1/4 MIP	521-13-61	13.54	24/144

COPPER - SOLDER MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Male Solder x 1/2 Male Solder	521-23-23	22.93	24/144
STR	RB	1/2 Male Solder x 1/2 Crimpex	521-23-PX3	17.85	24/144
ANG	RB	1/2 Male Solder x 1/2 Crimpex	621-23-PX3	22.50	24/144
STR	RB	3/4 Male Solder x 3/4 Male Solder	521-24-24	32.28	24/144
STR	RB	3/4 Male Solder x 3/4 Crimpex	521-24-PX5	29.80	24/144

COPPER - dahl PRESS*



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 dahl Press* x 1/2 F1960	521-23L-PRPX3	22.02	24/144
STR	RB	1/2 dahl Press* x 1/2 Crimpex	521-23L-PX3	21.52	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. CPVC x 1/2 Fem. CPVC	521-46-46	21.38	24/144
STR	RB	1/2 Fem. CPVC x 1/2 Fem. CPVC	521LB-46-46	27.58	12/72
STR	RB	1/2 Fem. CPVC x 1/2 FIP	521-46-53	24.08	24/144

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 FIP x 1/2 Fem. Solder or 1/2 MIP	511-53-01	24.14	24/144
STR	RB	1/2 FIP x 1/2 Fem. Solder or 1/2 MIP	521-53-01	20.63	24/144
STR	CP	1/2 FIP x 1/2 Fem. Solder or 1/2 MIP	611-53-01	28.98	24/144
STR	CP	1/2 FIP x 1/2 Fem. Solder	511-53-13	25.05	24/144
STR	CP	1/2 FIP x 1/2 FIP	511-53-53	22.40	24/144
STR	RB	1/2 FIP x 1/2 Fem. Solder	521-53-13	16.71	24/144
STR	RB	1/2 FIP x 1/2 FIP	521-53-53	22.08	24/144
ANG	CP	1/2 FIP x 1/2 FIP	611-53-53	28.25	24/144
STR	CP	3/4 FIP x 3/4 FIP	511-54-54	35.65	12/72
STR	RB	3/4 FIP x 3/4 FIP	521-54-54	34.50	12/72
STR	RB	3/4 FIP x 3/4 F1960	521-54-PRPX5	34.08	12/72

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	3/8 MIP x 1/2 FIP	621-62-53	23.65	24/144
ANG	CP	1/2 Fem. Solder or 1/2 MIP x 5/8 OD Comp	611-01-33	27.65	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 5/8 OD Comp	621-01-33	27.40	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 FIP	621-01-53	24.93	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 PEX-AL-PEX Comp	621-01-K3	26.41	24/144
STR	RB	3/4 MIP x 3/4 F1960	521-64-PRPX5	36.87	12/72

PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 (5/8 OD) Compex x 1/2 (5/8 OD) Compex	521-CPX3-CPX3	30.05	12/72
STR	RB	3/4 (7/8 OD) Compex x 3/4 (7/8 OD) Compex	521-CPX5-CPX5	46.75	6/36

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	3/8 Crimpex x 3/8 Crimpex	521-PX2-PX2	21.80	24/144
STR	CP	1/2 Crimpex x 1/2 Fem. Solder or 1/2 MIP	511-PX3-01	21.68	24/144
STR	RB	1/2 Crimpex x 1/2 Fem. Solder or 1/2 MIP	521-PX3-01	20.91	24/144
STR	RB	1/2 Crimpex x 5/8 OD Comp	521-PX3-33	25.23	24/144
ANG	CP	1/2 Crimpex x 5/8 OD Comp	611-PX3-33	25.65	24/144
ANG	RB	1/2 Crimpex x 5/8 OD Comp	621-PX3-33	25.40	24/144
STR	CP	1/2 Crimpex x 3/8 Crimpex	511-PX3-PX2	21.68	24/144
STR	RB	1/2 Crimpex x 3/8 Crimpex	521-PX3-PX2	21.43	24/144
STR	CP	1/2 Crimpex x 1/2 Crimpex	511-PX3-PX3	19.45	24/144
STR	RB	1/2 Crimpex x 1/2 Crimpex	521-PX3-PX3	19.20	24/144
ANG	CP	1/2 Crimpex x 1/2 Crimpex	611-PX3-PX3	22.45	24/144
ANG	RB	1/2 Crimpex x 1/2 Crimpex	621-PX3-PX3	22.20	24/144
STR	CP	3/4 Crimpex x 3/4 Crimpex	511-PX5-PX5	26.53	24/144
STR	RB	3/4 Crimpex x 3/4 Crimpex	521-PX5-PX5	21.30	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 F1960 x 1/2 F1960	521-PRPX3-PRPX3	18.28	24/144
STR	RB	1/2 F1960 x 1/2 F1960, Large Bore	521LB-PRPX3-PRPX3	24.25	12/72
STR	RB	3/4 F1960 x 3/4 F1960	521-PRPX5-PRPX5	26.57	12/72

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 F2080 x 1/2 F2080	521-EV3-EV3	23.05	24/144
STR	RB	3/4 F2080 x 3/4 F2080	521-EV5-EV5	30.32	12/72
STR	RB	1/2 F2080 x 1/2 Fem. Solder	521-EV3-13	20.36	24/144

PEX-AL-PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 PEX-AL-PEX Comp	521-K3-K3	30.80	18/108
STR	RB	5/8 PEX-AL-PEX Comp x 5/8 PEX-AL-PEX Comp, Not for Potable	121-K4-K4	41.38	12/72

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 QUICK-GRIP™ x 3/8 Crimpex	521-QG3-PX2	29.08	12/72
STR	RB	1/2 QUICK-GRIP™ x 1/2 Crimpex	521-QG3-PX3	28.10	12/72
ANG	RB	1/2 QUICK-GRIP™ x 1/2 QUICK-GRIP™	621-QG3-QG3	38.13	12/72
STR	RB	1/2 QUICK-GRIP™ x 1/2 QUICK-GRIP™	521LB-QG3-QG3	34.08	12/72

Balancing

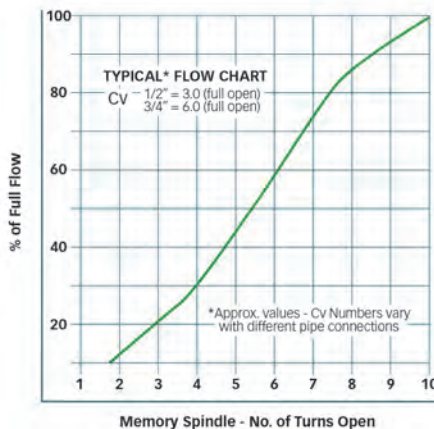
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The Perfect Balancing Act for
All Types of Radiant Floor Systems!

- U.S. Patent #5735307
- Preferred by quality OEMs
- Compact design
- Separate shut-off & balancing
- Remove safety cap and set memory spindle according to chart
- Simple to balance by loop length
- Memory Spindle adjust average 10% of full flow per turn
- Available for Copper, Iron, PEX, PEX-AL-PEX, and CPVC
- Working Pressure: MAX 250 PSI to 250F depending on pipe materials



#121BAL-13-PX3 1/2 Fem. Solder x 1/2 Crimpex



For balancing of manifolds, open the memory spindle fully for the longest loop and balance the other loops by setting their memory spindles according to their loop lengths relative to the longest loop.

EXAMPLE: four loop manifold

Longest loop	250'	set memory spindle 250/250 x 10 = 10 turns open
Loop #2 =	200'	set memory spindle 200/250 x 10 = 8 turns open
Loop #3 =	125'	set memory spindle 125/250 x 10 = 5 turns open
Loop #4 =	100'	set memory spindle 100/250 x 10 = 4 turns open

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x 1/2 Fem. Solder	121BAL-13-13	30.88	12/72
STR	RB	1/2 Fem. Solder x 1/2 (5/8 OD) Compex	121BAL-13-CPX3	Call	6/36
STR	RB	1/2 Fem. Solder x 1/2 F2080	121BAL-13-EV3	38.23	12/72
STR	RB	1/2 Fem. Solder x 1/2 F1960	121BAL-13-PRPX3	47.35	12/72
STR	RB	1/2 Fem. Solder x 1/2 Crimpex	121BAL-13-PX3	32.97	12/72
STR	RB	3/4 Fem. Solder x 3/4 Fem. Solder	121BAL-14-14	48.65	6/36
STR	RB	3/4 Fem. Solder x 5/8 (3/4 OD) Compex	121BAL-14-CPX4	Call	6/36
STR	RB	3/4 Fem. Solder x 3/4 (7/8 OD) Compex	121BAL-14-CPX5	68.10	6/36
STR	RB	3/4 Fem. Solder x 5/8 PEX-AL-PEX Comp	121BAL-14-K4	Call	6/36
STR	RB	3/4 Fem. Solder x 3/4 Crimpex	121BAL-14-PX5	60.06	6/36

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 (5/8 OD) Compex	121BAL-01-CPX3	78.28	6/36
STR	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 PEX-AL-PEX Comp	121BAL-01-K3	76.40	12/72
STR	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 Crimpex	121BAL-01-PX3	73.07	6/36

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Balancing

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IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	3/4 FIP X 3/4 FIP	121BAL-54-54	71.54	6/36

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Crimpex x 1/2 Crimpex	121BAL-PX3-PX3	33.40	12/72

mini-ball™ valves

Petcocks & Gauge Cocks - Not for Potable



Petcock with pressure gauge
(sold by others) attached.

- Straight or angle
- Tamper-resistant operation available
- Solder inlet available for manifolds

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/8 FIP x 1/8 MIP	111-50-60	19.84	24/144
STR	RB	1/8 FIP x 1/8 FIP	121-50-50	18.10	24/144
STR	RB	1/8 FIP x 1/8 MIP	121-50-60	16.84	24/144
STR	CP	1/4 FIP x 1/4 FIP	111-51-51	23.14	24/144
STR	CP	1/4 FIP x 1/4 MIP	111-51-61	20.70	24/144
STR	RB	1/4 FIP x 1/4 FIP	121-51-51	19.42	24/144
STR	RB	1/4 FIP x 1/4 MIP	121-51-61	17.51	24/144
STR	RB	3/8 FIP x 3/8 FIP	121-52-52	18.60	24/144
ANG	CP	3/8 FIP x 3/8 FIP	211-52-52	21.10	24/144
ANG	RB	3/8 FIP x 1/8 FIP	221-52-50	22.76	24/144

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/4 MIP x 1/8 FIP	121-61-50	18.30	24/144
STR	RB	1/4 MIP x 1/4 MIP	121-61-61	17.33	24/144
STR	RB	3/8 MIP x 3/8 MIP	121-62-62	17.71	24/144
ANG	CP	1/4 MIP x 1/4 MIP	211-61-61	18.89	24/144

Petcocks & Gauge Cocks - Lead - Free

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/8 FIP x 1/8 MIP	511-50-60	24.93	24/144
STR	RB	1/8 FIP x 1/8 FIP	521-50-50	20.90	24/144
STR	RB	1/8 FIP x 1/8 MIP	521-50-60	21.10	24/144
STR	CP	1/4 FIP x 1/4 FIP	511-51-51	23.10	24/144
STR	CP	1/4 FIP x 1/4 MIP	511-51-61	Call	24/144
STR	RB	1/4 FIP x 1/4 FIP	521-51-51	21.59	24/144
STR	RB	1/4 FIP x 1/4 MIP	521-51-61	21.88	24/144
STR	RB	3/8 FIP x 3/8 FIP	521-52-52	21.23	24/144
STR	RB	3/8 FIP x 3/8 MIP	521-52-62	19.65	24/144
ANG	CP	3/8 FIP x 3/8 FIP	611-52-52	24.93	24/144
ANG	RB	3/8 FIP x 1/8 FIP	621-52-50	Call	24/144

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/4 MIP x 1/8 FIP	521-61-50	Call	24/144
STR	RB	1/4 MIP x 1/4 MIP	521-61-61	Call	24/144
STR	RB	3/8 MIP x 3/8 MIP	521-62-62	21.90	24/144
ANG	CP	1/4 MIP x 1/4 MIP	611-61-61	Call	24/144

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Fittings

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- Thousands of custom possibilities. Call Dahl Customer Service for details
- Models available for heating, cooling and end-of-line plumbing applications



#520-PX3-31



#610-PX3-31



#620-PX3-04F



#E41-31-31-PL

Adapters

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Fem. Solder x 1/2 (5/8 OD) Compex	520-13-CPX3	18.68	12/72

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Crimpex x 1/4 OD Comp	520-PX3-30	8.95	24/144
STR	CP	1/2 Crimpex x 3/8 OD Comp	510-PX3-31	9.16	24/144
STR	RB	1/2 Crimpex x 3/8 OD Comp	520-PX3-31	7.40	24/144
STR	RB	1/2 Crimpex x 3/8 OD Comp	520-PX3-31-PK2	14.90	12/72
STR	RB	1/2 Crimpex x 5/8 OD Comp	520-PX3-33	11.90	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 F1960 x 1/4 OD Comp	520-PRPX3-30	26.12	24/144
STR	RB	1/2 F1960 x 3/8 OD Comp	520-PRPX3-31	25.89	24/144
STR	RB	1/2 F1960 x 1/2 F1960	520-PRPX3-PRPX3	26.25	24/144
STR	RB	1/2 F1960 x 1/2 Crimpex	520-PRPX3-PX3	25.70	24/144

PEX-AL-PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 Fem. Solder or 1/2 MIP	520-K3-01	32.15	24/144
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 FIP	520-K3-53	33.77	24/144
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 F1960	520-K3-PRPX3	31.88	24/144
STR	RB	1/2 PEX-AL-PEX Comp x 1/2 Crimpex	520-K3-PX3	16.04	24/144

RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 OD Fem. Comp x 1/4 OD Comp	510-41-30	16.35	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass



POPULAR MINI-BALL™ MODELS FOR QUICK REFERENCE

F1960 COLD EXPANSION



611-PRPX3-31
1/2 F1960
x 3/8 OD Comp
\$15.46



511-PRPX3-31
1/2 F1960
x 3/8 OD Comp
\$16.63



521-PRPX3-PRPX3
1/2 F1960
x 1/2 F1960
\$18.28



521-PRPX3-PRPX3D
1/2 F1960 x 1/2 F1960
with Drain
\$22.98



621-PRPX3-30
1/2 F1960
x 1/4 OD Comp
\$17.70

QUICK-GRIP™



611-QG3-31
1/2 QUICK-GRIP™
x 3/8 OD Comp
\$22.17



511-QG3-31
1/2 QUICK-GRIP™
x 3/8 OD Comp
\$22.92



521LB-QG3-QG3
1/2 QUICK-GRIP™
x 1/2 QUICK-GRIP™
\$34.08



521LB-QG3-QG3D
1/2 QUICK-GRIP™
x 1/2 QUICK-GRIP™
with Drain
\$40.43



621-QG3-30
1/2 QUICK-GRIP™
x 1/4 OD Comp
\$24.43

COPPER COMPRESSION



611-33-31
5/8 OD Comp
x 3/8 OD Comp
\$13.99



511-33-31
5/8 OD Comp
x 3/8 OD Comp
\$14.74



521LB-33-33
5/8 OD Comp
x 5/8 OD Comp
\$25.25



521LB-33-33D
5/8 OD Comp
x 5/8 OD Comp with Drain
\$31.60



621-33-30
5/8 OD Comp
x 1/4 OD Comp
\$16.25

COPPER SOLDER



611-13-31
1/2 Fem. Solder
x 3/8 OD Comp
\$16.30



511-13-31
1/2 Fem. Solder
x 3/8 OD Comp
\$17.05



521-13-13
1/2 Fem. Solder
x 1/2 Fem. Solder
\$16.45



521-13-13D
1/2 Fem. Solder
x 1/2 Fem. Solder
with Drain
\$21.15



621-13-30
1/2 Fem. Solder
x 1/4 OD Comp
\$18.55

PEX CRIMP



611-PX3-31
1/2 Crimpex
x 3/8 OD Comp
\$12.70



511-PX3-31
1/2 Crimpex
x 3/8 OD Comp
\$13.45



521-PX3-PX3
1/2 Crimpex
x 1/2 Crimpex
\$19.20



521-PX3-PX3D
1/2 Crimpex
x 1/2 Crimpex
with Drain
\$23.90



621-PX3-30
1/2 Crimpex
x 1/4 OD Comp
\$14.23

CPVC



611-46-31
1/2 CPVC
x 3/8 OD Comp
\$17.00



511-46-31
1/2 CPVC
x 3/8 OD Comp
\$17.75



521-46-46
1/2 CPVC
x 1/2 CPVC
\$21.38



521-46-46D
1/2 CPVC
x 1/2 CPVC with Drain
\$26.08



621-46-30
1/2 CPVC
x 1/4 OD Comp
\$19.25

IRON



611-52-31
3/8 FIP
x 3/8 OD Comp
\$17.40



511-52-31
3/8 FIP
x 3/8 OD Comp
\$18.15



611-53-31
1/2 FIP
x 3/8 OD Comp
\$16.50



511-53-31
1/2 FIP
x 3/8 OD Comp
\$17.25



621-53-30
1/2 FIP
x 1/4 OD Comp
\$19.65

HOSE



621-01-04
1/2 Dual
(Solder or MIP) x Hose
\$17.55



621-23-04
1/2 Male Solder
x Hose
\$18.78



621-33-04
5/8 OD Comp
x Hose
\$18.08



621-PRPX3-04
1/2 F1960 x Hose
\$18.83



621-PX3-04
1/2 Crimpex x Hose
\$16.80

How to Read
Our Part Numbers

611-33-31

PATTERN

FINISH

OPERATION

INLET

6

1

1

- 33

PATTERN

Straight

5



Angle

6



FINISH

Chrome Plated

1



Rough Brass

2



OPERATION



Nickel Plated Handle

1



Red Handle

4



Blue Handle

5

Nickel Plated Handle
with 3/16" Tag Hole

1DH

Red Handle with
3/16" Tag Hole

4DH

Blue Handle with
3/16" Tag Hole

5DH

Loose Key with
Screwdriver Slot and
Lockshield

6SS

Key sold separately
Part# 9941

COPPER SOLDER



3/8 Female Solder

12

1/2 Female Solder

13

3/4 Female Solder

14



1/2 Male Solder

23

3/4 Male Solder

24

dahl PRESS*



1/2 dahl PRESS*

23L

*Compatible with most press fit systems

COPPER COMPRESSION



1/4 OD Comp

30



3/8 OD Comp

31



1/2 OD Comp

32



5/8 OD Comp (1/2 Nom. Pipe)

33



7/8 OD Comp

35

5/8 OD Comp Long
No Solder Connection

33L

7/8 OD Comp Long
No Solder Connection

35L

5/8 OD Comp
2 1/2" Ext.
w/ Deep Bell Escutcheon

33LE

LESS NUT & SLEEVE FOR
HOOK UP WITH BRAIDED HOSES

1/4 OD Comp

30LNS



3/8 OD Comp

31LNS



1/2 OD Comp

32LNS



5/8 OD Comp

33LNS

INLET & OUTLET

CPVC



1/2 Female CPVC

46



1/2 Male CPVC

4466

PEX



3/8 Crimpex

PX2



1/2 Crimpex

PX3



3/4 Crimpex

PX5

1/2 Crimpex Extension w/
Deep Bell Escutcheon

PX3LE



3/8 Compex (1/2 OD)

CPX2



1/2 Compex (5/8 OD)

CPX3



5/8 Compex (3/4 OD)

CPX4



3/4 Compex (7/8 OD)

CPX5

PEX-AL-PEX



3/8 PEX-AL-PEX Comp

K2



1/2 PEX-AL-PEX Comp

K3



5/8 PEX-AL-PEX Comp

K4

PEX - F1960



1/2 F1960

PRPX3



5/8 F1960

PRPX4



3/4 F1960

PRPX5

1/2 F1960
Extension w/ Deep Bell
Escutcheon

PRPX3LE

PEX - F2080



1/2 F2080

EV3



5/8 F2080

EV4



3/4 F2080

EV5

LIMITED COMBINATIONS OF ANGLE

BER GUIDE



OUTLET

BRANCH

31

For Dual
Outlet Valves
& Water
Hammer
Arrester
Valves



No Worries
No Dezincification
No Cracking
No Kidding*

**Lifetime
Warranty**

CONNECTIONS

PEX - EUROCONICAL

	20mm Euroconical	R20
	25mm Euroconical	R25

QUICK-GRIP™

	1/2 QUICK-GRIP™	QG3
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RETROFIT

FEMALE/REVERSE COMPRESSION

	3/8 OD Female Comp	41
	1/2 OD Female Comp	42
	5/8 OD Female Comp	43

HOSE

	Hose	04
	Female Swivel Hose	04F

OUTLET BOX

	1/2 Female Solder Longshank	08
	1/2 Male CPVC Longshank	10
	1/2 Crimpex Longshank	PX3L

FLARE SAE45°

	1/2 OD Female Flare	02
	5/8 OD Female Flare	03
	1/2 OD Male Flare	82
	5/8 OD Male Flare	83

IRON - NPT

	1/8 FIP	50
	1/4 FIP	51
	3/8 FIP	52
	1/2 FIP	53
	3/4 FIP	54

	1/8 MIP	60
	1/4 MIP	61
	3/8 MIP	62
	1/2 MIP Dual*	01
	1/2" MIP or 1/2" Female Solder	
	3/4 MIP	64

	3/8 MIP	
	2-1/2" Extension w/ Deep Bell Escutcheon	62LE

	1/2 MIP	
	2-1/2" Extension w/ Deep Bell Escutcheon	63LE

UNIONS

	1/2 Dual mini-ball™ Union	4301
--	----------------------------------	-------------

	1/2 BSP Male Union	4305Y
--	--------------------	--------------

	1/2 Female Solder Union	84
--	-------------------------	-----------

	1/2 Dual* Union	85
--	-----------------	-----------

	3/4 Female Solder Union	88
--	-------------------------	-----------

	3/4 Female Solder Union with 1/8" air vent tapping	89
--	--	-----------

	3/4 Male Solder Union	90
--	-----------------------	-----------

	3/4 Male NPT Union	91
--	--------------------	-----------

	1-1/4 Female Solder Eccentric**	98
--	------------------------------------	-----------

	1-1/4 Female Solder Eccentric** with 1/8" air vent tapping	99
--	--	-----------

* 1/2 MIP or 1/2 Female Solder
** 3/4" valves only

SPECIALS

	1/2 Slip Joint	L5
	1/2 NPSM	05
	1/2 Male BSP	05Y

OPTIONS

LARGE BORE



LB

Available on selected models
Add "LB" after the Operation
For Example: 521**LB**-33-33

DRAIN



D

Add "D" to Inlet or Outlet to
indicate position.
For Example:
521-13-13**D** or 521-13**D**-13

BALANCING



(For heating applications only)
Add "BAL" after handle option
For Example:
121**BAL**-13-13

WATER HAMMER ARRESTER



14WHA

Add "14WHA"
after the Outlet Connection
For Example: 511-33-31-**14WHA**

CAP & CHAIN



DH CC

For Hose Valves
Add "DH" after Operation type
and "CC" after the
Hose Connection
For Example: 621**DH**-01-04**CC**

SHANK NUT



NUT

For Outlet Box Valves
Add "NUT"
For Example: 621-PX3L-04**NUT**

BRANCH TAPPING



For custom functions including:
-Venting-Filling-Draining-Gauges
1/8F Branch Tapping Add
"BT1" beside inlet or outlet
1/4F Branch Tapping Add
"BT2" beside inlet or outlet
For Example: 121-51-51**BT1**

Contact us to specify the location of your Branch Tapping

BAGGED



BAG

In Poly-bag with UPC and
instructions. Add "BAG" to
complete part number
For Example: 511-13-31-**BAG**

PATTERN 3/4 VALVES - CALL FOR DETAILS

Trust dahl Quality

Lifetime Warranty.

Our unprecedented, unmatched **Lifetime Warranty**, proves you can trust dahl quality.



100% North American.

Trust superior Canadian Design and Manufacturing and American Brass.



Responsive.

Connect LIVE within **15 seconds** to our Customer Service Team.



Solutions.

Thousands of products to meet individual needs of the trades.



Fittings

Elbows

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. Solder or 1/2 MIP x 3/8 OD Comp	610-01-31	18.10	24/144
ANG	RB	1/2 Fem. Solder or 1/2 MIP x 1/2 PEX-AL-PEX Comp	620-01-K3	17.01	24/144

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Crimpex x 3/8 OD Comp	610-PX3-31	11.60	24/144
ANG	RB	1/2 Crimpex x 3/8 OD Comp	620-PX3-31	11.30	24/144
ANG	RB	1/2 Crimpex x 5/8 OD Comp	620-PX3-33	18.59	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F1960 x 1/2 Fem. Solder or 1/2 MIP	620-PRPX3-01	16.63	24/144
ANG	RB	1/2 F1960 x 1/2 Fem. Solder	620-PRPX3-13	16.79	24/144
ANG	RB	1/2 F1960 x 1/2 Male Solder	620-PRPX3-23	16.84	24/144
ANG	RB	1/2 F1960 x 3/8 OD Comp	620-PRPX3-31	17.39	24/144

For Dishwashers

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	3/8 OD Comp x Fem. Hose	620-31-04F	14.23	24/144
ANG	RB	1/2 OD Comp x Fem. Hose	620-32-04F	18.90	24/144

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	3/8 MIP x Male Hose	620-62-04	13.60	24/144

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 Crimpex x Fem. Hose	620-PX3-04F	12.55	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 F1960 x Fem. Hose	620-PRPX3-04F	18.70	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA

Ph: 1-800-268-2363 US

Fax: 1-800-226-1801 CDA & US

sales@dahlvalve.com

www.dahlvalve.com

Fittings

Elbows

For Dishwashers

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 QUICK-GRIP™ x Fem. Hose	620-QG3-04F	21.18	24/144

For Icemakers

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/4 OD Comp x Fem. Hose	620-30-04F	14.45	24/144

Tees

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	5/8 OD Comp x 5/8 OD Comp x 1/4 FIP	E33-33-51	18.85	24/144

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	1/2 Fem. Solder or 1/2 MIP x 1/2 Fem. Solder or 1/2 MIP x 5/8 OD Comp	E01-01-33-PL	28.56	24/144

PEX - F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	1/2 F1960 x 1/2 F1960 x 1/2 FIP	EPRPX3-PRPX3-53	27.59	24/144

RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	3/8 OD Fem. Comp x 3/8 OD Comp x 1/4 OD Comp	E41-31-30	18.23	24/144
TEE	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 1/4 OD Comp	E41-31-30-PL	18.48	24/144
TEE	CP	3/8 OD Fem. Comp x 3/8 OD Comp x 3/8 OD Comp	E41-31-31-PL	16.92	24/144
TEE	RB	3/8 OD Fem. Comp x 3/8 OD Comp x 3/8 OD Comp	E41-31-31	16.68	24/144

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Water Hammer Arrester Valves

Water Hammer Arrester Products THE SIMPLE WAY TO SILENCE WATER HAMMER

DID YOU KNOW?

Water Hammer may result in:

- Noisy pipe banging and rattling
- Fitting failures
- Burst connectors
- Burst washing machine hoses, the primary cause of floods in homes
- Appliance solenoid failures, and these costly repairs are not covered by the appliance warranty

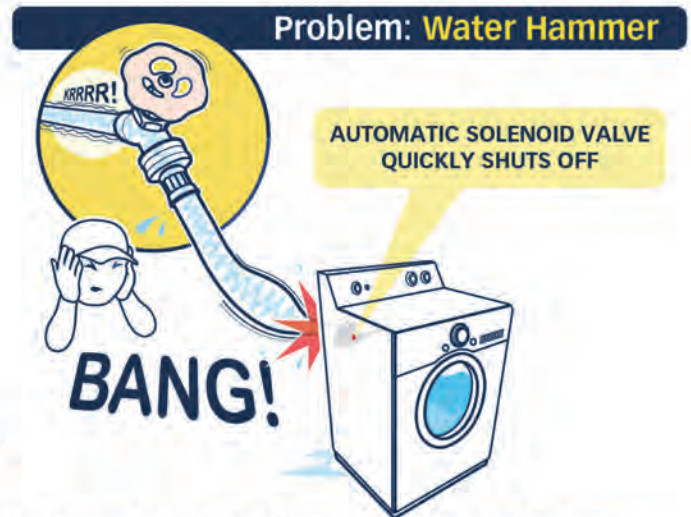
While water hammer is often associated with banging, rattling and thumping, water hammer doesn't always make these noises. Water hammer happens when the flow of water in a pipe is suddenly stopped by a quick closing valve.

Quick closing valves cause a pressure spike and reverberation inside the pipe until the spike dissipates. While metallic pipes are more likely to make an audible noise, water hammer also occurs in PEX and other plastic pipe systems. Usually, an air pocket in the system will absorb the pressure spike, but if no pocket of air is present, fixtures and appliances in the plumbing system may be damaged by the pressure spikes.

Air chambers or capped stand-pipes are typically incorporated into plumbing systems to provide the air pocket necessary to prevent water hammer. However, in these devices, there is nothing separating the air and water. This allows air to permeate into the water within weeks, resulting in waterlogged and completely ineffective water hammer protection.



Notice the difference in water level of the Static Water Pressure on the left, in comparison to After the Shut-off.



Constant solenoid on/off cycles during each load can cause:

- Pressure spikes resulting in water hammer: rattling, noisy pipes
- Extensive damage including solenoid failure, water line bursts, & other system failures

Quick closing valves are found in:

- Washing machines
- Dishwashers
- Icemakers
- Single lever faucets
- Touchless automatic faucets
- Toilets

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA

Ph: 1-800-268-2363 US

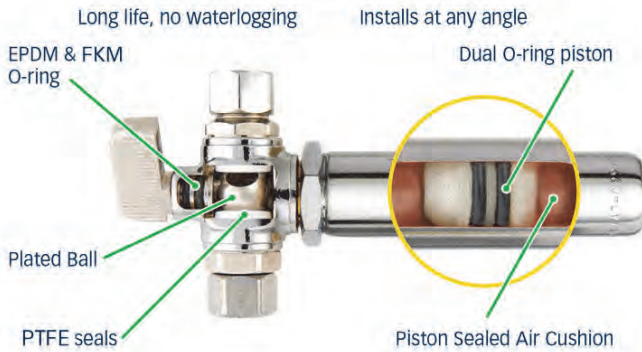
Fax: 1-800-226-1801 CDA & US

sales@dahlvalve.com

www.dahlvalve.com

Water Hammer Arrester Valves

Dahl 1/4 Turn Retrofit Supply Stop with Integral Water Hammer Arrester



#511-41-31-14WHA

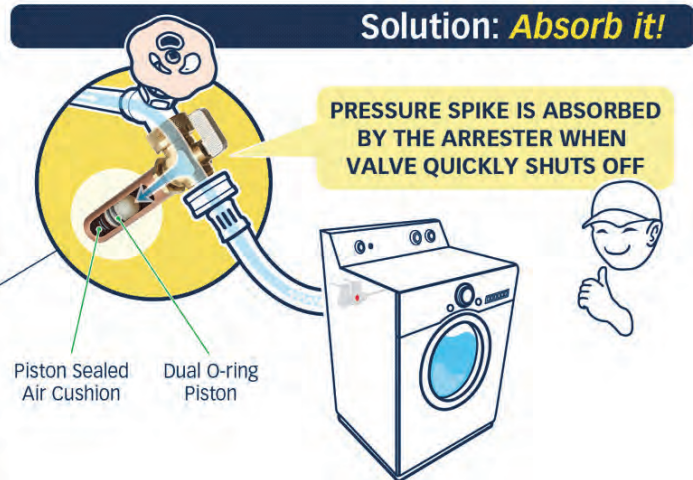
3/8 Fem. OD Comp x 3/8 OD Comp x Water Hammer Arrester

Water Hammer Arresters differ from air chambers in that they permanently separate air from the water. When a Dahl water hammer arrester product is used, the pressure spike pushes a double O-ring sealed piston against a pressurized cushion of air, absorbing the pressure spike and preventing water hammer.

Dahl Water Hammer Arresters are available in the "AA" Size which are recommended for point of use residential applications. For best results, they should be installed as close as possible to the end point device, less than 2m (6 ft.). The O-ring sealed piston allows for installation at any angle, without loss of the pressurized air. These arresters have been tested to 500,000 cycles without failure, and are guaranteed to control water hammer for the lifetime of the water system.

Dahl Water Hammer Arresters are certified by the American Society of Sanitary Engineering to the ANSI/ASSE 1010 standard, and are recommended by the Uniform Plumbing Code and International Plumbing Code. As new high efficiency appliances become more widespread, so is the prevalence of water hammer. Several local building codes are now mandating the use of engineered water hammer arresters.

#521-04-04F-14WHA Male Hose x Female Swivel Hose x Water Hammer Arrester



Dahl offers more water hammer arresters integrated with valves than any other manufacturer.

This benefits installers by allowing a compact, professional installation that takes less installation time.

Constant solenoid on/off cycles still occur during each load, but:

- Piston compresses air, cushioning water on quick shut-off
- Pipes are quiet, no water hammer
- No potential solenoid and water line failures

Dahl Water Hammer Arrester products include: *Supply stops, Dual Shut-off Valves, In-line Stops and Isolation, Outlet Box Valves, Supply Kits, Tee & Valve Kits and even Retrofit models that simply piggy-back in between existing valves/fittings and risers/hoses.*

Water Hammer Arrester Valves

Supply Stops

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	5/8 OD Comp x 1/2 NPSM x Water Hammer Arrester	511-33-05-14WHA	49.45	12/72
STR	CP	5/8 OD Comp x 3/8 OD Comp x Water Hammer Arrester	511-33-31-14WHA	49.27	12/72
ANG	CP	5/8 OD Comp x 3/8 OD Comp x Water Hammer Arrester	611-33-31-14WHA	49.27	12/72
ANG	CP	5/8 OD Comp x 1/2 or 7/16 OD Slip Joint x Water Hammer Arrester	611-33-L5-14WHA	53.02	12/72

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Fem. Solder x 3/8 OD Comp x Water Hammer Arrester	511-13-31-14WHA	49.25	12/72
ANG	CP	1/2 Fem. Solder x 3/8 OD Comp x Water Hammer Arrester	611-13-31-14WHA	48.50	12/72
STR	CP	1/2 Fem. Solder x 1/2 OD Comp x Water Hammer Arrester	511-13-32-14WHA	53.00	12/72
ANG	CP	1/2 Fem. Solder x 1/2 OD Comp x Water Hammer Arrester	611-13-32-14WHA	52.25	12/72

CPVC - FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Fem. CPVC x 3/8 OD Comp x Water Hammer Arrester	511-46-31-14WHA	49.95	12/72
ANG	CP	1/2 Fem. CPVC x 3/8 OD Comp x Water Hammer Arrester	611-46-31-14WHA	49.20	12/72

CPVC - MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Male CPVC x 3/8 OD Comp x Water Hammer Arrester	511-4466-31-14WHA	52.45	12/72

F1960



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F1960 x 3/8 OD Comp x Water Hammer Arrester	511-PRPX3-31-14WHA	48.83	12/72
ANG	CP	1/2 F1960 x 3/8 OD Comp x Water Hammer Arrester	611-PRPX3-31-14WHA	47.65	12/72

IRON - NPT FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	3/8 FIP x 3/8 OD Comp x Water Hammer Arrester	511-52-31-14WHA	50.35	12/72
ANG	CP	3/8 FIP x 3/8 OD Comp x Water Hammer Arrester	611-52-31-14WHA	49.60	12/72
STR	CP	1/2 FIP x 3/8 OD Comp x Water Hammer Arrester	511-53-31-14WHA	49.45	12/72
ANG	CP	1/2 FIP x 3/8 OD Comp x Water Hammer Arrester	611-53-31-14WHA	48.70	12/72

PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 (5/8 OD) Compex x 3/8 OD Comp x Water Hammer Arrester	511-CPX3-31-14WHA	57.27	12/72
ANG	CP	1/2 (5/8 OD) Compex x 3/8 OD Comp x Water Hammer Arrester	611-CPX3-31-14WHA	55.00	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA

Ph: 1-800-268-2363 US

Fax: 1-800-226-1801 CDA & US

sales@dahlvalve.com

www.dahlvalve.com

Water Hammer Arrester Valves

Supply Stops

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 Crimpex x 3/8 OD Comp x Water Hammer Arrester	511-PX3-31-14WHA	47.73	12/72
ANG	CP	1/2 Crimpex x 3/8 OD Comp x Water Hammer Arrester	611-PX3-31-14WHA	47.43	12/72

PEX-AL-PEX - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp x Water Hammer Arrester	511-K3-31-14WHA	66.83	12/72
ANG	CP	1/2 PEX-AL-PEX Comp x 3/8 OD Comp x Water Hammer Arrester	611-K3-31-14WHA	66.08	12/72

PEX - F2080



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 F2080 x 3/8 OD Comp x Water Hammer Arrester	511-EV3-31-14WHA	50.18	12/72
ANG	CP	1/2 F2080 x 3/8 OD Comp x Water Hammer Arrester	611-EV3-31-14WHA	50.18	12/72

QUICK-GRIP™ (COPPER, PEX, CPVC)



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 QUICK-GRIP™ x 1/4 OD Comp x Water Hammer Arrester	511-QG3-30-14WHA	57.63	8/48
ANG	CP	1/2 QUICK-GRIP™ x 1/4 OD Comp x Water Hammer Arrester	611-QG3-30-14WHA	57.63	8/48
STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x Water Hammer Arrester	511-QG3-31-14WHA	55.13	8/48
STR	CP	1/2 QUICK-GRIP™ x 1/2 OD Comp x Water Hammer Arrester	511-QG3-32-14WHA	58.88	8/48
ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x Water Hammer Arrester	611-QG3-31-14WHA	55.13	8/48
ANG	CP	1/2 QUICK-GRIP™ x 1/2 OD Comp x Water Hammer Arrester	611-QG3-32-14WHA	58.13	8/48

Retrofit

RETROFIT - FEMALE/REVERSE COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	CP	1/2 OD Fem. Comp x 1/2 OD Comp x Water Hammer Arrester	511-42-32-14WHA	74.03	12/72
STR	CP	3/8 OD Fem. Comp x 1/4 OD Comp x Water Hammer Arrester	511-41-30-14WHA	53.90	12/72
STR	CP	3/8 OD Fem. Comp x 3/8 OD Comp x Water Hammer Arrester	511-41-31-14WHA	50.88	12/72
ANG	CP	3/8 OD Fem. Comp x 3/8 OD Comp x Water Hammer Arrester	611-41-31-14WHA	50.88	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Water Hammer Arrestor Valves

Dual Shut-Off Valves



COPPER - COMPRESSION



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
5000	2 STR	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	E33-5001-WHA	84.98	6/36
6000	1 ANG, 1 STR	CP	5/8 OD Comp x 3/8 OD Comp x 1/4 OD Comp	E33-6000-WHA	86.03	6/36
6000	1 ANG, 1 STR	CP	5/8 OD Comp x 3/8 OD Comp x 3/8 OD Comp	E33-6001-WHA	84.30	6/36

PEX - CRIMP



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-4001-WHA	84.88	6/36
5000	2 STR	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-5001-WHA	82.88	6/36
6000	1 ANG, 1 STR	CP	1/2 Crimpex x 3/8 OD Comp x 3/8 OD Comp	EPX3-6001-WHA	82.58	6/36

QUICK-GRIP™ (COPPER, PEX, CPVC)



Dual Shut-Off Series	Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
4000	2 ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-4000-WHA	90.55	6/36
5000	2 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-5000-WHA	88.10	6/36
4000	2 ANG	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-4001-WHA	88.10	6/36
6000	1 ANG, 1 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 1/4 OD Comp	EQG3-6000-WHA	88.10	6/36
5000	2 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-5001-WHA	88.10	6/36
6000	1 ANG, 1 STR	CP	1/2 QUICK-GRIP™ x 3/8 OD Comp x 3/8 OD Comp	EQG3-6001-WHA	88.10	6/36

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Water Hammer Arrester Valves

Hose and Boiler Drain

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	5/8 OD Comp x Male Hose x Water Hammer Arrester	611-33-04-14WHA	50.53	12/72

HOSE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	Male Hose x Fem. Hose x Water Hammer Arrester, Pkg of 2, Not for Potable	121-04-04F-14WHA-PK2	61.08	6/36
STR	CP	Male Hose x Fem. Hose x Water Hammer Arrester	511-04-04F-14WHA	53.83	12/72
STR	RB	Male Hose x Fem. Hose x Water Hammer Arrester	521-04-04F-14WHA	48.28	12/72
ANG	CP	Fem. Hose x Male Hose x Water Hammer Arrester	611-04F-04-14WHA	53.83	12/72
ANG	RB	Fem. Hose x Male Hose x Water Hammer Arrester	621-04F-04-14WHA	48.28	12/72

IRON - NPT MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	1/2 Fem. Solder or 1/2 MIP x Hose x Water Hammer Arrester	611-01-04-14WHA	51.86	12/72

In-line Stops and Isolation

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	CP	5/8 OD Comp x 1/2 Fem. Solder or 1/2 MIP x Water Hammer Arrester	611-33-01-14WHA	55.75	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Water Hammer Arrester Fittings

Tees

COPPER - COMPRESSION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	1/4 OD Comp x 1/4 OD Comp x Water Hammer Arrester	E30-30-14WHA	CDA	12/72
TEE	RB	3/8 OD Comp x 3/8 OD Comp x Water Hammer Arrester	E31-31-14WHA	CDA	12/72
TEE	CP	5/8 OD Comp x 5/8 OD Fem. Comp x Water Hammer Arrester	E33-43-14WHA-PL	CDA	12/72
TEE	RB	3/8 OD Fem. Comp x Water Hammer Arrester x 3/8 OD Comp	E41-14WHA-31	CDA	12/72
TEE	CP	3/8 OD Fem. Comp x 3/8 OD Comp x Water Hammer Arrester	E41-31-14WHA-PL	CDA	12/72

HOSE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	CP	Male Hose x Water Hammer Arrester x Fem. Swivel Hose Long	E04-14WHA-04FL-PL	CDA	12/72
TEE	RB	Fem. Swivel Hose x Male Hose x Water Hammer Arrester	E04F-04-14WHA	CDA	12/72
TEE	CP	Fem. Swivel Hose Long x Male Hose x Water Hammer Arrester	E04FL-04-14WHA-PL	CDA	12/72

PEX - CRIMP



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	1/2 Crimpex x 1/2 Crimpex x Water Hammer Arrester	EPX3-PX3-14WHA	CDA	12/72
TEE	RB	1/2 Crimpex x Water Hammer Arrester x Fem. Swivel Hose	EPX3-14WHA-04F	CDA	12/72

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Globe Style Valves and Fittings

Plumbing



Heating



Balancing Valves & Venturions



Fittings



Optional Features for Globe Style Valves

LOCKSHIELD

Series	Modify Part Number	Part Number Example	Add to List US\$
2300	Add to part # - 9901	E2311-44- <u>9901</u>	5.20
11020	Add to part # - 2	11022-6105 <u>2</u>	6.74
11040	Add to part # - 4	11041-6113 <u>4</u>	6.74
12000	Add to part # - 4	12003-4000 <u>4</u>	6.74
21616 less Cap & Chain	Add to part # - 2	E21616-4 <u>2</u>	4.38
21616 with Cap & Chain	Replace "0000" in part # with 9901	E21616-4 <u>9901</u>	4.38

MEMORY

13000 Series	Add to part # - 6	13013-6113 <u>6</u>	20.35
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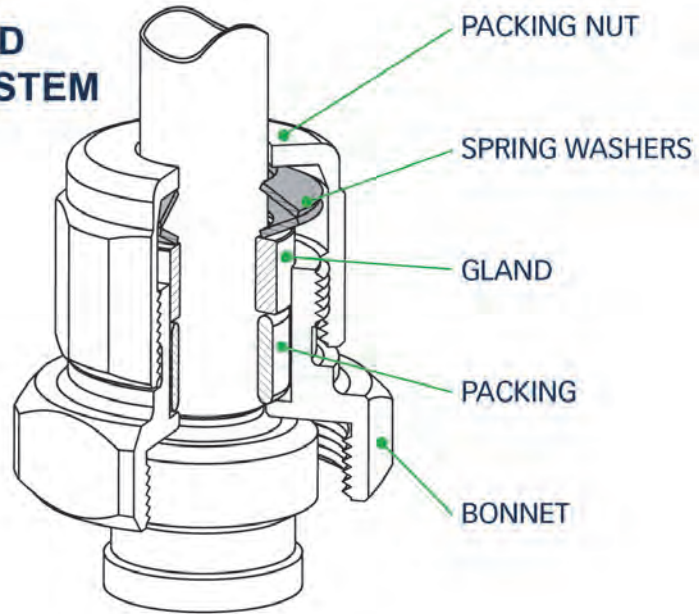
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Globe Stops for Potable Water

dahl's **UNIQUE SPRING-LOADED SELF-ADJUSTING PACKING SYSTEM**

- No need to disassemble before soldering
– leave in open position
- DO NOT adjust packing nut
- Available with Lockshield



GLOBE VALVE PACKING SYSTEM
CUTAWAY VIEW

Compression Stops



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	E2311 1/2 C x 1/2 C	E2311-44	28.71	12/72
STR	RB	E2312 1/2 C x 1/2 C, w/waste	E2312-44	31.14	12/72
ANG	RB	E2313 1/2 C x 1/2 C	E2313-44	31.31	12/72
STR	RB	E2311 3/4 C x 3/4 C	E2311-66	41.21	6/36
STR	RB	E2312 3/4 C x 3/4 C, w/waste	E2312-66	43.65	6/36
ANG	RB	E2313 3/4 C x 3/4 C	E2313-66	54.54	6/36

Water Meter Valves



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	E2307 3/4 C x 1/2 FIP	E2307-6142	69.45	6/36
ANG	RB	E2307 3/4 C X 3/4 FIP	E2307-6162	62.06	6/36

Globe Stops

Partition Stops

ELIMINATES THE NEED FOR ACCESS BOXES



#2310-442008



#9921 Partition Plate



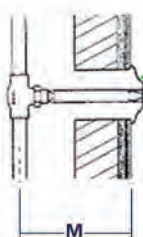
#2330-442008

No need to flush cut the tube, the extra deep stainless steel partition plate covers the protruding portion. No tube removal and no marking of the finished wall when cutting tube!

See **Repair Parts and Accessories** for Keys and Plates.

MINIMUM ROUGHING-IN DIMENSIONS

VALVE SIZE	MIN "M"
1/2"	2-7/8"
3/4"	3-1/8"
Same for angle & straight patterns	



#9921 Partition Plate Sold Separately

Allow minimum 3" between hot and cold as partition plate has a diameter of 2-1/2"



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	E2310-K 1/2 C x 1/2 C Less Plate	E2310-442008	36.30	12/72
STR	RB	E2310-K 3/4 C x 3/4 C Less Plate	E2310-662008	57.57	6/36
ANG	RB	E2330-K 1/2 C x 1/2 C Less Plate	E2330-442008	38.83	12/72
ANG	RB	E2330-K 3/4 C x 3/4 C Less Plate	E2330-662008	57.28	6/36

Piggy-Back™ Drain Valves



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	E21616 1/2 C x 1/2 C x Hose L/Cap & Chain	E21616-4	34.75	12/72
STR	RB	E21616 3/4 C x 3/4 C x Hose L/Cap & Chain	E21616-6	42.80	10/60
STR	RB	E21616 1/2 C x 1/2 C x Hose W/Cap & Chain	E21616-40000	40.50	6/36
STR	RB	E21616 3/4 C x 3/4 C x Hose W/Cap & Chain	E21616-60000	56.65	6/36

Sediment Faucets



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	E2316 1/2 Dual (C or M) Inlet	E2316-40	25.48	12/72
ANG	RB	E2316 3/4M Inlet	E2316-61	37.18	12/72
ANG	RB	E2316 3/4 C Inlet *	E2316-65	68.80	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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Ball Valves - Heavy Pattern

Union Ball Valves



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	51032 1/2 FIP x 1/2 C Union	51032-4101	120.20	6/36
STR	RB	51032 1/2 FIP x 1/2 Dual (C or M) Union	51032-4121	101.04	6/36
STR	RB	51032 3/4 F x 3/4 C Union	51032-6105	Call	6/36
STR	RB	51032 3/4 F x 3/4M Union	51032-6113	124.56	6/36
STR	RB	51036 3/4 C x 3/4 C Union	51036-6105	114.76	6/36
STR	RB	51036 3/4 C x 3/4M Union	51036-6113	121.59	6/36



Memory Feature with Cv Settings on the Dial Set at any Cv value from 1 to 8

- Optional on all 51000 series ball valves
- Simply dial the desired Cv value and tighten the set screw
- Valve can be closed at any time for service and will open to previous setting of flow



Hose and Drain Valves

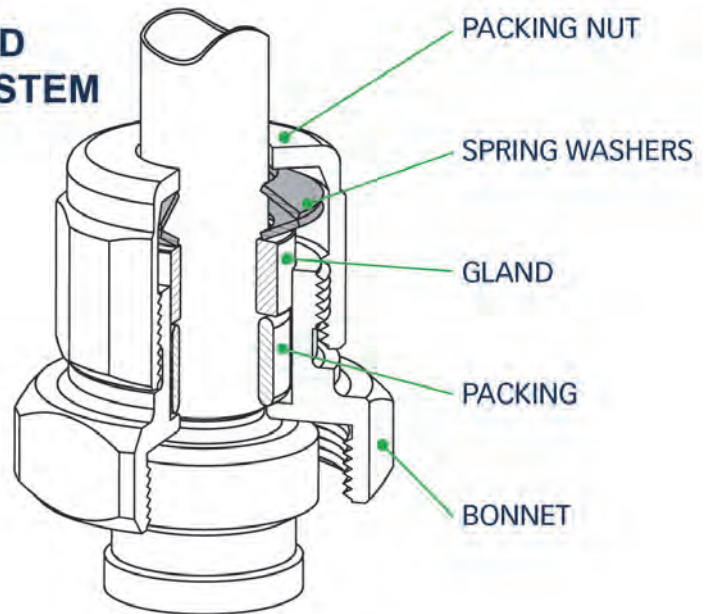


Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	50430 3/4 F x Hose with Cap & Chain	50430-0	75.82	6/36
STR	RB	50430 1/2 F x Hose with Cap & Chain	50430-1	75.82	6/36
STR	RB	50430 3/4 C x Hose with Cap & Chain	50430-5	108.24	6/36

Globe Style Radiator Valves

dahl's UNIQUE SPRING-LOADED SELF-ADJUSTING PACKING SYSTEM

- No need to disassemble before soldering
– leave in open position
- DO NOT adjust packing nut
- Available with Lockshield



GLOBE VALVE PACKING SYSTEM
CUTAWAY VIEW

Heavy Pattern

- For Low Pressure Stream, Forced Water Heating and Cooling Systems.
- 250 PSI / 250°F
- 150WSP
- HI-Temp disc standard on all models

11040 SERIES F X UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	11041 1/2 F x 1/2 C Union	11041-4101	95.95	6/36
ANG	RB	11041 1/2 F x 1/2 Dual Union	11041-4112	105.72	6/36
STR	RB	11042 1/2 F x 1/2 C Union	11042-4101	84.90	6/36
STR	RB	11042 1/2 F x 1/2 Dual Union	11042-4112	94.67	6/36
STR	RB	11042 3/4 F x 1/2 Dual Union	11042-6121	102.28	6/36
ANG	RB	11041 3/4 F x 3/4 C Union	11041-6105	Call	6/36
ANG	RB	11041 3/4 F x 3/4M Union	11041-6113	95.68	5/30
STR	RB	11042 3/4 F x 3/4 C Union	11042-6105	91.86	6/36
STR	RB	11042 3/4 F x 3/4M Union	11042-6113	107.78	4/24
ANG	RB	11041 1 F x 1C Union	11041-8108	155.13	4/24
ANG	RB	11041 1 F x 1 M Union	11041-8114	155.38	3/18
STR	RB	11042 1 F x 1C Union	11042-8108	199.06	4/24
STR	RB	11042 1 F x 1 M Union	11042-8114	199.06	3/18
ANG	RB	11041 1-1/4 F x 1-1/4 M Union	11041-9115	176.96	2/12
ANG	RB	11041 1-1/4 F x 1-1/4 C Union	11041-9116	222.11	2/12
STR	RB	11042 1-1/4 F x 1-1/4 M Union	11042-9115	251.50	2/12
STR	RB	11042 1-1/4 F x 1-1/4 C Union	11042-9116	230.80	2/12

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

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Globe Style Radiator Valves

Heavy Pattern

11046 SERIES C X UNION

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	11046- 1/2 C x 1/2 Dual Union *	11046-4112	Call	6/36
STR	RB	11046- 3/4 C x 3/4 C Union	11046-6105	132.63	4/24
STR	RB	11046- 3/4 C x 3/4M Union	11046-6113	Call	4/24
STR	RB	11046 3/4C X 1/2 Dual Union	11046-6121	144.27	4/24

12000 SERIES F X F LESS UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	12003 1/2 F x 1/2 F	12003-4000	82.28	6/36
ANG	RB	12003 3/4 F x 3/4 F	12003-6000	84.78	6/36
ANG	RB	12003 1 F x 1 F	12003-8000	119.73	4/24
ANG	RB	12003 1-1/4 F x 1-1/4 F	12003-9000	187.39	2/12
STR	RB	12001 3/4 F x 3/4 F	12001-6000	114.79	4/24
STR	RB	12001 1F x 1F	12001-8000	116.97	4/24

Regular Pattern

- For Forced Water Heating and Cooling Systems.
- 200 PSI / 250°F

11001 SERIES F X F LESS UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	11001 3/4 F x 3/4 F	11001-6000	53.47	6/36

11006 SERIES C X UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	11006 1/2 C x 1/2 C Union *	11006-4101	Call	12/72
ANG	RB	11006 1/2 C x 1/2 Dual Union *	11006-4112	Call	12/72
ANG	RB	11006 3/4 C x 3/4 C Union	11006-6105	80.70	6/36
ANG	RB	11006 3/4 C x 3/4M Union	11006-6113	91.76	6/36

11011 SERIES C X C LESS UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	11011 1/2 C x 1/2 C	11011-4000	Call	12/72
STR	RB	11011 3/4 C x 3/4 C	11011-6000	60.68	6/36

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Globe Style Radiator Valves

Regular Pattern

11020 SERIES C X UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	11026 1/2 C x 1/2 C Union	11026-4101	Call	12/72
STR	RB	11026 1/2 C x 1/2 Dual Union	11026-4112	76.90	12/72
STR	RB	11026 3/4 C x 3/4 C Union	11026-6105	76.12	6/36
STR	RB	11026 3/4 C x 3/4M Union	11026-6113	87.18	6/36

11020 SERIES F X UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	11021 1/2 F x 1/2 Dual Union	11021-4112	69.08	12/72
STR	RB	11022 1/2 F x 1/2 Dual Union	11022-4112	69.55	12/72
ANG	RB	11021- 1/2 F x 1/2 C Union	11021-4101	Call	12/72
STR	RB	11022 1/2 F x 1/2 C Union	11022-4101	59.78	12/72
ANG	RB	11021 1/2F X 3/4C Union *	11021-4104	81.35	10/60
ANG	RB	11021- 1/2 F x 1/2 Dual Union, Black Handle	11021-41129	Call	12/72
STR	RB	11022 1/2 F x 1/2 Dual Union, Black Handle	11022-41129	Call	12/72
ANG	RB	11021 3/4 F x 3/4M Union	11021-6113	64.48	6/36
STR	RB	11022 3/4 F x 3/4M Union	11022-6113	79.01	6/36
ANG	RB	11021 3/4 F x 3/4 C Union	11021-6105	69.20	6/36
STR	RB	11022 3/4 F x 3/4 C Union	11022-6105	69.10	6/36

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Balancing

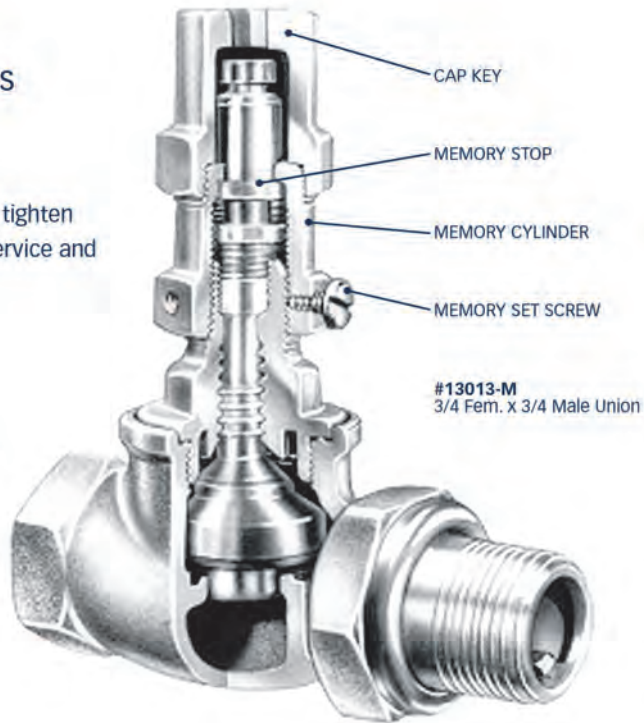
Globe Style Radiator Valves

Memory Feature

Globe Style Radiator Balancing Valves

Simply set memory cylinder to desired flow and tighten set screw. Valve may be closed at anytime for service and will re-open to previous setting of flow.

- Optional on all #13000 Series Balancing Valves
- No special tools required
- Cap is the operating key which also provides protection against tampering
- Valves give positive shut off when required for servicing of the system



13001 SERIES F X F



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	13001 3/4 F x 3/4 F	13001-6000	Call	6/36
STR	RB	13001 1F x 1F *	13001-8000	151.61	4/24
ANG	RB	13012 1/2 F x 1/2 Dual Union *	13012-4112	Call	6/36
ANG	RB	13012 3/4 F x 3/4M Union	13012-6113	136.86	5/30

13013 F X UNION



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	13013 1/2 F x 1/2 C Union	13013-4101	104.18	6/36
STR	RB	13013 1/2 F x 1/2 Dual Union	13013-4112	Call	6/36
STR	RB	13013 3/4F X 3/4C Union	13013-6105	106.33	5/30
STR	RB	13013 3/4 F x 3/4M Union	13013-6113	116.24	5/30
STR	RB	13013 1F x 1C Union	13013-8108	227.77	2/12
STR	RB	13013 1F x 1M Union	13013-8114	216.33	3/18
STR	RB	13013 1-1/4F x 1-1/4M Union	13013-9115	271.26	1/6
STR	RB	13013 1-1/4F x 1-1/4C Union	13013-9116	Call	2/12

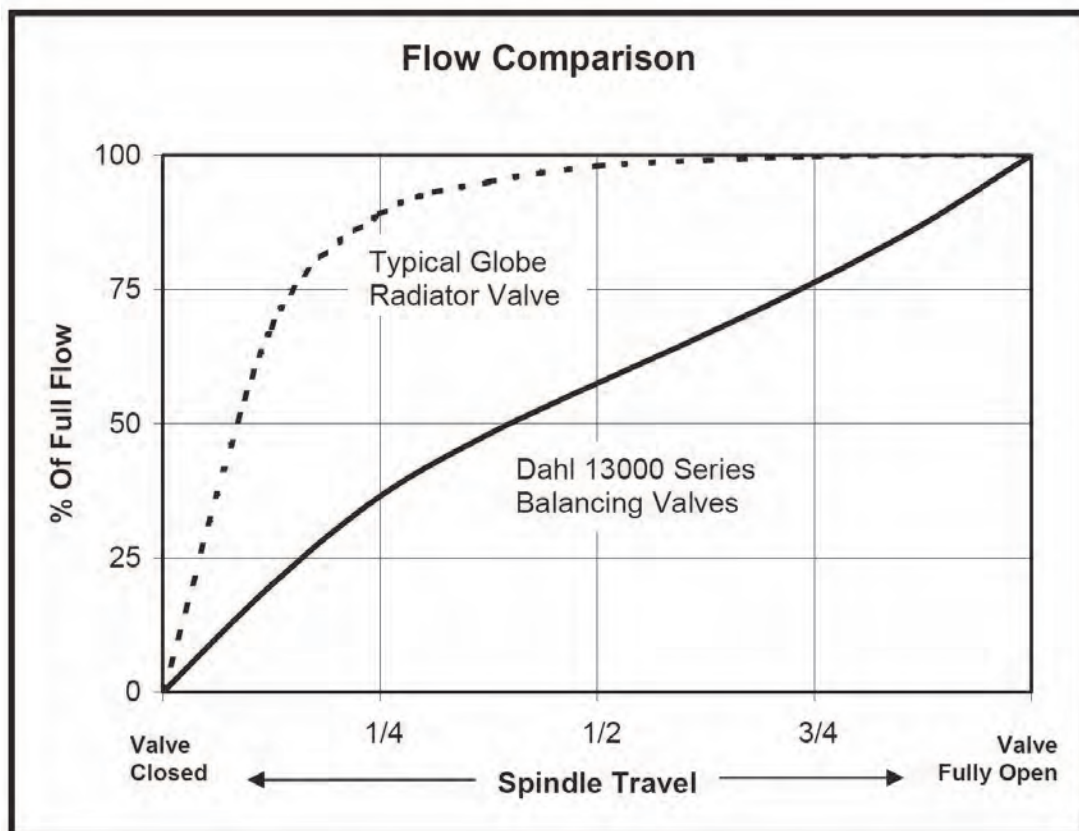
13026 SERIES C X UNION

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	13026 1/2 C x 1/2 C Union *	13026-4101	Call	5/30
STR	RB	13026 3/4 C x 3/4 C Union	13026-6105	148.79	5/30
STR	RB	13026 3/4 C x 3/4M Union	13026-6113	Call	5/30
STR	RB	13026 1C x 1C Union	13026-8108	187.25	3/18

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Dahl Brass Balancing Valves with Positive Shut Off
Heavy Pattern - Straight
For Steam, Forced Heating or Cooling Systems
13013 – Straight Pattern

No. of Turns of Spindle from Closed Position	Cv = Flow in USGPM with 1 psi Pressure Difference Across Valve			
	1/2"	3/4"	1"	1-1/4"
1/2	1.1	2.0	2.1	4.7
1	1.6	2.6	2.8	5.5
2	2.0	3.8	3.2	7.0
3	-	-	4.3	9.5
4	-	-	7.6	13.0
Full Opened	2.9	5.3	12.0	18.0



dahl brothers canada limited

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We reserve the right to alter prices and/or technical details without notice

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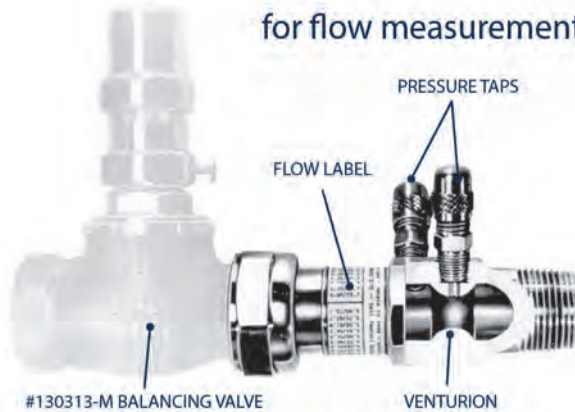
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Balancing

Venturions

for flow measurement when balancing Heating and Cooling Systems



- Available on Memory Balancing Valves and Memory Ball Valves
- With #2000 Venturion, flow = 0.4 - 2.0 GPM
- With #6000 Venturion, flow = 1.75 - 6.0 GPM

As a Union on Dahl Balancing Valves
(only two inches longer than regular union)

Installation Friendly
Install next to valves or fittings, upstream or downstream, vertical or horizontal - no need for straight pipe lengths before or after the Venturion.

Simply measure the pressure drop across the two taps and read the flow on the label - no need to search for data sheets or specifications

As Independent Units



TECHNICAL DATA:

Cv across taps: 1.2 for #2000 Series, 3.9 for #6000 Series
Cv for complete unit = 1.5 for #2000 Series, 4.8 for #6000 Series

CONNECTIONS:

Threaded or Sweat, Specials on request.

ACCURACY:

#2000 Series to nearest 0.1 GPM, the #6000 Series to nearest 0.25 GPM

MATERIALS:

The Venturions are made of high quality brass with Schrader Access Valves for pressure read-out, 1/4 OD flare connections.



Description	Part Number	List US\$	Box/Mstr
2201V 3/4M Union x 3/4M Venturion	2201V	127.92	4/24
2202V 3/4M Venturion x 3/4M Union	2202V	143.57	4/24
2801V 3/4M x 3/4M Venturion	2801V	96.57	6/36
2832V 1/2M X 1/2BH Venturion	2832V	Call	4/24
2852V 3/4M X 3/4BH UN Venturion	2852V	Call	6/36
6201V 3/4M Union x 3/4M Venturion	6201V	143.95	6/36

Balancing

Circuit Balancing Valve

Memory Feature with Venturions for Flow Measurement

- Flow must be in direction of arrow



13013 SERIES



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	13013M-V2 1/2M Venturion x 1/2 F	13013-42526	200.57	3/18
STR	RB	13013M-V2 3/4M Venturion x 3/4M Union	13013-62016	212.94	2/12
STR	RB	13013M-V2 3/4 F x 3/4M Venturion	13013-62516	205.78	2/12
STR	RB	13013M-V2 3/4M Venturion x 3/4 F	13013-62526	Call	2/12
STR	RB	13013M-V6 3/4 F x 3/4M Venturion	13013-66516	Call	2/12
STR	RB	13013M-V6 3/4M Venturion x 3/4 F	13013-66526	234.75	2/12

13026 SERIES

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	13026M-V2 3/4M Venturion x 3/4 C	13026-62526	259.59	2/12

51032 SERIES



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	51032M-V2 3/4 F x 3/4M Venturion	51032-62516	Call	2/12
STR	RB	51032M-V6 3/4M Venturion x 3/4 F	51032-66526	Call	2/12

51036 SERIES

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	51036M-V6 1/2M Venturion X 3/4C	51036-46526	219.56	2/12
STR	RB	51036M-V2 3/4C X 3/4M Venturion	51036-62516	206.95	2/12
STR	RB	51036M-V2 3/4M Venturion X 3/4C	51036-62526	206.95	2/12
STR	RB	51036M-V2 3/4C X 3/4C Venturion	51036-62536	224.23	2/12
STR	RB	51036M-V2 3/4C X Venturion X 3/4C	51036-62546	224.23	2/12
STR	RB	51036M-V6 3/4C X 3/4M Venturion	51036-66516	Call	2/12
STR	RB	51036M-V6 3/4M Venturion X 3/4C	51036-66526	207.13	2/12
STR	RB	51036M-V6 3/4C X 3/4C Venturion	51036-66536	Call	2/12
STR	RB	51036M-V6 3/4C Venturion X 3/4C	51036-66546	Call	2/12

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

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Fax: 1-800-226-1801 CDA & US

sales@dahlvalve.com

www.dahlvalve.com

Fittings for Hydraulics

Adapters

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 Female Solder x 1/2 OD F FL, SAE 45° Flare	120-13-02	30.79	24/144
STR	RB	1/2 Female SolderC x 5/8 OD F FL, SAE 45° Flare	120-13-03	43.36	24/144
STR	RB	3/4 Female Solder x #12 JIC Male Flare	120-14-J12	17.80	44/220

Elbows - Union



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
ANG	RB	1/2 FIP x 1/2 Dual Union	18000-4112	36.88	12/72
ANG	RB	3/4 FIP X 3/4 C Union	18000-6105	44.29	12/72
ANG	RB	3/4 FIP x 3/4M Union	18000-6113	43.28	12/72

Reducing Couplings



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	RB	1/2 MIP X 1-1/4 C Concentric	15053-0000	59.10	12/72
STR	RB	1/2 FIP X 1-1/4 C Concentric	15054-4000	60.87	12/72
STR	RB	1/2 FIP X 1-1/4 C Concentric with Air Vent	15054-4100	67.82	12/72

Tees

COPPER - SOLDER FEMALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	3/8 Female Solder x 3/8 Nom (1/2 OD) Flare x 1/2 FIP, SAE 45° Flare	12-82-53	64.59	24/144
TEE	RB	1/2 Female Solder x 1/2 OD (3/8 Nom) Flare x 1/2 FIP, SAE 45° Flare	13-82-53	Call	24/144
TEE	RB	3/4 Female Solder x 1/2 OD (3/8 Nom) Flare x 1/2 FIP, SAE 45° Flare	14-82-53	Call	12/72
TEE	RB	3/4 Female Solder x #12 JIC Male Flare x 1/2 FIP	14-J12-53	40.05	12/72

COPPER - SOLDER MALE



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	1/2 Male Solder x 1/2 OD (3/8 Nom) Flare x 1/2 FIP, SAE 45° Flare	23-82-53	Call	24/144
TEE	RB	1/2 Male Solder x 5/8 OD (1/2 Nom) Flare x 1/2 FIP, SAE 45° Flare	23-83-53	38.06	24/144

IRON - NPT FEMALE

Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
TEE	RB	1/2 FIP x 1/2 OD (3/8 Nom) Flare x 1/2 FIP, SAE 45° Flare	53-82-53	35.00	12/72

Hangers and Straps

All Round™ Strapping



Tube Clamps



U-Clips



ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA

Ph: 1-800-268-2363 US

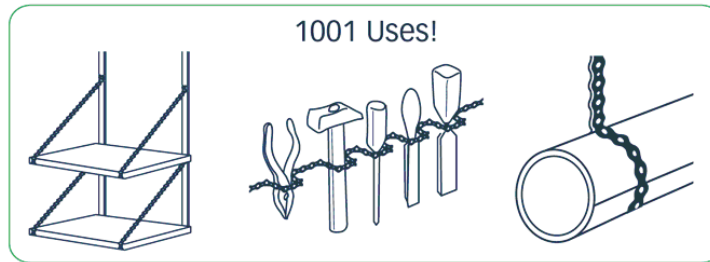
Fax: 1-800-226-1801 CDA & US

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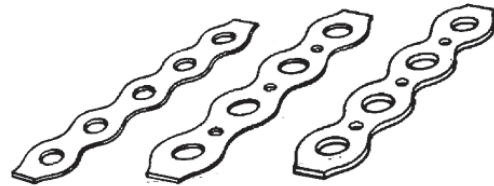
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Hangers and Straps

All-Round Strapping



Handy Dispenser Carton



1/2" - 22GA | 3/4" - 24GA | 3/4" - 20GA

- 1/2" straps have 3/16" bolt holes
- 3/4" straps have large holes for 1/4" bolts and small 1/8" holes for screw or nails

GALVANIZED STEEL

Description	Max Load lbs	Part Number	List US\$	Box/Mstr
1/2" x 25' - 24 Gauge	95	9049	5.92	20
3/4" x 10' - 24 Gauge	130	9043	3.09	40
3/4" x 25' - 24 Gauge	130	9047	6.46	20
3/4" x 100' - 24 Gauge	130	9048	22.61	5
3/4" x 25' - 20 Gauge	210	9040	7.10	20
3/4" x 100' - 20 Gauge	210	9045	29.30	5

NYLON COATED (Galvanized Steel)

Description	Max Load lbs	Part Number	List US\$	Box/Mstr
1/2" x 10' - 24 Gauge	110	9090	8.73	40
1/2" x 25' - 24 Gauge	110	9080	20.48	20
3/4" x 25' - 24 Gauge	130	9085	21.54	20

SOLID COPPER

Description	Max Load lbs	Part Number	List US\$	Box/Mstr
1/2" x 10' - 22 Gauge	60	9053	11.55	40
1/2" x 25' - 22 Gauge	60	9050	24.25	20
3/4" x 25' - 24 Gauge	55	9060	25.83	20
3/4" x 25' - 20 Gauge	130	9070	37.90	20

STEEL

Description	Max Load lbs	Part Number	List US\$	Box/Mstr
1/2" x 10' - 22 Gauge	110	9015	2.88	40
1/2" x 25' - 22 Gauge	110	9010	4.25	20
3/4" x 10' - 24 Gauge	130	9021	2.98	40
3/4" x 25' - 24 Gauge	130	9020	5.03	20
3/4" x 100' - 24 Gauge	130	9025	19.93	5
3/4" x 25' - 20 Gauge	210	9030	7.50	20
3/4" x 100' - 20 Gauge	210	9035	28.80	5

* INDICATED MAXIMUM LOAD IS APPROXIMATELY 1/3 OF BREAKING LOAD FOR SINGLE STRAPS.

Hangers and Straps

Tube Clamps



- For 1/2" or 3/4" pipe
- Copper clad or solid copper
- Bags of 10 or 100 clamps with nails included

COPPER CLAD

Description	Part Number	List US\$	Box/Mstr
1/2" Copper Clad Tube Clamps, 100/bag	9100	15.81	10
1/2" Copper Clad Tube Clamps, 10/bag	9101	2.38	100
3/4" Copper Clad Tube Clamps, 100/bag	9125	16.60	5
3/4" Copper Clad Tube Clamps, 10/bag	9126	2.50	50

SOLID COPPER

Description	Part Number	List US\$	Box/Mstr
1/2" Solid Copper Tube Clamps, 100/bag	9115	30.78	10
1/2" Solid Copper Tube Clamps, 10/bag	9116	4.65	100
3/4" Solid Copper Tube Clamps, 100/bag	9133	48.96	5
3/4" Solid Copper Tube Clamps, 10/bag	9134	5.38	50

Tube Clamps Quantity Discount

5,000 - 24,999 pcs. Extra 10%
25,000 - 49,999 pcs. Extra 19%
50,000 pcs. and over Extra 23.05%

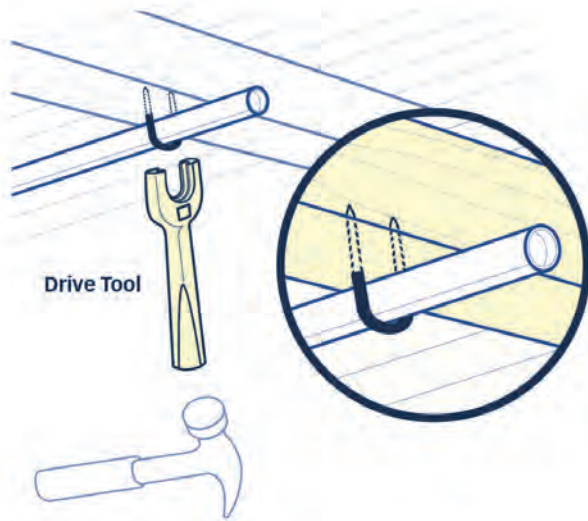
Any type and size Of **Tube Clamps** may be combined for quantity pricing but tube clamps may not be combined U-clips for quantity discounts.

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Hangers and Straps

U-Clips



- 3x faster than conventional clips
- For 1/2" or 3/4" pipes
- No rust or corrosion problems
- Permits pipe expansion and contraction
- Clip can be soldered to pipe

NOTE: Do not install without the Drive Tool, as this may result in deformation of both clip and water pipe.

The Drive Tool holds and drives the clip to correct depth and also gives the clip its final shape for maximum holding power and a good fit on the pipe to prevent rattling noises with expansions and contractions.

COPPER



Description	Part Number	List US\$	Box/Mstr
1/2" Copper, 100/bag	9170	49.08	10
1/2" Copper, 10/bag	9171	6.43	50
3/4" Copper, 50/bag	9175	31.33	20
3/4" Copper, 10/bag	9176	7.88	50

U-Clips - Drive Tools

- Guaranteed for life; if you break it, we'll replace it.

NYLON



Description	Part Number	List US\$	Box/Mstr
1/2", Nylon Head	9191	18.13	48
3/4", Nylon Head	9196	22.33	48

Test Caps

COPPER



- For pressure testing copper pipe systems
- Easier to solder than pressure caps
- For test and temporary use only
NOT for permanent installations
- 1/2" to 2" diameter sizes



Description	Test Pressure PSI	Part Number	List US\$	Box/Mstr
1/2" Test Caps, 50/bag	250	9151	20.04	10
3/4" Test Caps, 10/bag	250	9152	8.08	10
1" Test Caps, 10/bag	250	9153	8.08	10
1-1/4" Test Caps, 10/bag	200	9154	8.08	10
1-1/2" Test Caps, 10/bag	200	9155	10.75	10
2" Test Caps, 10/bag	200	9156	16.10	5

Test Caps Quantity Discount

1,500 – 50,000 pcs.

Extra 10% Discount

Over 50,000 pcs.

Extra 15% Discount

Different sizes of **Test Caps** may be combined for quantity discounts.

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Repair Parts and Accessories

Globe Valves



Caps & Gaskets



Nuts, Sleeves & Plugs



Key & Handles



Plates



Slide Coupling



Repair Parts and Accessories

Globe Valve

Cartridges / Assemblies

11000/12000 SERIES (Radiator Valves)



Finish	Description	Part Number	List US\$	Box/Mstr
	Stem Assy for 11020 Series 3/4" with Black Handle	9987	50.45	12/72
	Stem Assy for 11020 Series 1/2" with Lockshield	9989	36.60	25/150
	Stem Assy for 11020 Series 3/4" with Lockshield	9995	44.87	25/150
RB	Stem Assy for 11020 Series 1/2" with Handle	9996	27.19	25/150
RB	Stem Assy for 11020 Series 3/4" with Handle	9997	30.73	18/108
	Stem Assy for 11042 Straight 1/2", 11041 Angle 3/4" and 12003 Angle 3/4" – all with lockshield	109126	41.31	6/36
	Stem Assy for 11042 Straight 3/4", 11041 Angle 1" and 12003 Angle 1" – all with lockshield	109129	Call	12/72
RB	Stem Assy for 11042 Straight 3/4", 11041 Angle 1/2" and 12003 Angle 1/2" – all with handles	109131	56.55	6/36
RB	Stem Assy for 11040 Series 1/2" with Handle	109132	47.70	6/36
	Stem Assy for 11042 Straight 1", 11041 Angle 3/4" and 12003 Angle 3/4" – all with handles	109134	Call	6/36
	Stem Assy for 11042 Straight 1-1/4", 11041 Angle 1" and 12003 Angle 1" – all with handles	109135	87.36	6/36

13000 SERIES (Balancing Radiator Valves)



Finish	Description	Part Number	List US\$	Box/Mstr
	Stem Assy for 1/2" 13000 Series with Memory	9127	Call	6/36
	Stem Assy for 3/4" 13000 Series with Memory	9128	104.97	6/36
	Stem Assy for 1" 13000 Series with Memory	9129	121.88	6/36
	Stem Assy for 1-1/4" 13000 Series with Memory	9130	154.88	6/36
	Stem Assy for 1/2" 13000 Series without Memory	109124	Call	12/72
	Stem Assy for 3/4" 13000 Series without Memory	109128	49.73	12/72
	Stem Assy for 1" 13000 Series without Memory	109139	58.69	12/72

2300 SERIES (Stops and Water Meter)



Finish	Description	Part Number	List US\$	Box/Mstr
RB	Stem Assy for 1/2" 2300 Series & Water Meter Valves with Handle	E9990	23.56	24/144
RB	Stem Assy for 3/4" 2300 Series & Water Meter Valves with Handle	E9991	35.20	18/108
RB	Stem Assy for 1/2" 2300 Series Partition Stops excluding Plate & Key	E9992	24.76	25/150
	Stem Assy for 3/4" 2300 Series Partition Stops excluding Plate & Key	E9994	30.31	
	Stem Assy w/lockshield for 1/2" 2300 Series	E9988	Call	
	Stem Assy for 3/4" 2300 Series & Water Meter Valves with Lockshield	E109141	35.60	25/150
	Old Style Tube and Gland Assy for 1/2" and 3/4"	9923	16.83	25/150
	New Style Tube for Partition Stop	9926	10.24	25/150

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Repair Parts and Accessories

Globe Valve

Nuts

Description	Part Number	List US\$	Box/Mstr
1 Union Nut	9708	27.99	6/36
1 1/4 Union Nut	9712	34.46	6/36
1/2 Union Nut	9982	10.10	25/150
3/4 Union Nut	9986	9.84	25/150

Tailpieces



Description	Part Number	List US\$	Box/Mstr
1 1/4 Copper Tailpiece	9404	33.36	6/36
1 1/4 Male Tailpiece	9835	38.52	6/36
3/4 Copper Fitting Tailpiece	9955	22.89	25/150
3/4 x 1/2 Copper Tailpiece	9958	32.45	25/150
1 Male Tailpiece	9965	25.47	6/36
1 Copper Tailpiece	9967	27.76	12/72
3/4 Copper Tailpiece with Air Vent	9969	35.96	12/72
1/2 Dual Tailpiece	9981	12.03	25/150
3/4 Copper Tailpiece	9983	10.37	25/150
3/4 x 1/2 Dual Tailpiece	9984	Call	25/150
3/4 Male Tailpiece	9985	13.56	25/150

Unions



Description	Part Number	List US\$	Box/Mstr
1 1/4 Copper Union	9400	49.22	6/36
3/4 Copper Fitting Union with Air Vent	9403	40.98	12/72
3/4 Copper Fitting Union	9800	33.02	25/150
1/2 x 3/4 Male Union	9811	37.49	12/72
3/4 x 3/8 Copper Union	9959	30.46	25/150
Tailpiece Wrench	9960	56.00	100/600
3/4 x 1/2 Copper Union	9961	31.22	25/150
3/4 x 1 1/4 Female Eccentric Union	9962	114.66	
1 Copper Union	9968	44.31	6/36
1/2 Copper Union	9970	24.48	25/150
3/4 Copper Union	9971	16.16	25/150
1/2 Dual Union	9972	21.30	25/150
3/4 Male Union	9973	23.37	25/150
1 Male Union	9974	Call	6/36
1 1/4 Male Union	9975	47.70	6/36
3/4 x 1/2 Dual Union	9976	23.13	25/150
3/4 x 1 1/4 Copper Eccentric Union	9977	80.03	6/36
3/4 x 1 1/4 Copper Ecc. Union with Air Vent	9978	94.40	6/36
3/4 Copper Union with Air Vent	9993	68.83	12/72

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

Repair Parts and Accessories

Caps & Gaskets



Description	Part Number	List US\$	Box/Mstr
20023 Cap & Chain	20023	8.58	50/300
2323-B Brass Drip Cap W/Gasket	2323-000	8.28	100/600
Vent Cap W/Gasket	2324	19.25	12/72
Waste Cap (includes "O" Ring), Old Style	9913	Call	100/600
Drain screw for mini-ball™ valve, complete with O-ring, Pkg of 25	MBDRAINSREWPK25	52.89	24

Nuts Sleeves Plugs



Knurl feature indicates dahl•ECO lead-free

Description	Part Number	List US\$	Box/Mstr
1/4 OD Compression Nut, Rough Brass, Pkg of 25	NUT14BRPK25	16.25	25/150
3/8 OD Compression Nut, Plated, Pkg of 25	NUT38PLPK25	Call	25/150
7/8 OD Compression Nut, Rough Brass, Pkg of 25	NUT78BRPK25	Call	25/150
1/4 OD Compression Sleeve, Pkg of 25	SLV14PK25	11.76	25/150
3/8 OD Compression Sleeve, Pkg of 25	SLV38PK25	6.23	25/150
5/8 OD Compression Sleeve, Pkg of 25	SLV58PK25	Call	25/150
Comp Plug for 1/4 OD Comp Connections	EPLUG14PK25	37.38	25/150
Comp Plug for 3/8 OD Comp Connections	EPLUG38PK25	35.68	25/150
Comp Plug for 1/2 OD Comp Connections	EPLUG12PK25	40.75	25/150
Comp Plug for 5/8 OD Comp Connections	EPLUG58PK25	42.75	25/150

Keys & Handles

Handles



Description	Part Number	List US\$	Box/Mstr
Red Metal Handle & Screw	9932	5.98	25/150
Red Plastic Handle & Screw	9933	5.70	50/300
Black Plastic Handle & Screw	9934	6.73	25/150

Keys



Description	Part Number	List US\$	Box/Mstr
6" Access/Part Stop Key (Standard)	9951	9.85	25/150
Lockshield Key/ Loose Key	9941	2.45	100/600
Cap Key	9953	22.45	25/150
Cap Key for Memory Valves	9954	14.79	12/72
18" Access/Partition Stop Key	9956	Call	10
9" Access/Partition Stop Key	109130	20.99	
12" Access/Partition Stop Key	109140	31.58	

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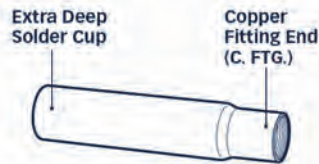
Repair Parts and Accessories

Plates



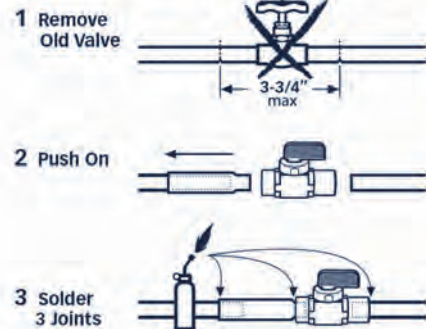
Description	Part Number	List US\$	Box/Mstr
Partition Plate - Deep (Diameter = 2.5")	9921	2.96	24/144
Access Plate - Flat (Diameter = 3 3/8")	9922	3.11	16/96
5/8 OD Escutcheon, pack of 25	PLATE58PK25	13.18	25

Slide Couplings



SIZE	OVER-ALL LENGTH	A CUT OUT LENGTH
1/2	3-1/4	3-3/4
3/4	5	5-1/2

EXAMPLE: Replace Old Valve



Can also be used as a pipe repair coupling - Simply cut off the Copper Fitting end.



Pattern	Finish	Description	Part Number	List US\$	Box/Mstr
STR	Copper	17381 1/2 C x 1/2 C.Ftg Slide Coupling	17381-0000	6.17	24/144
STR	Copper	17382 3/4 C x 3/4 C.Ftg Slide Coupling	17382-0000	11.50	24/144

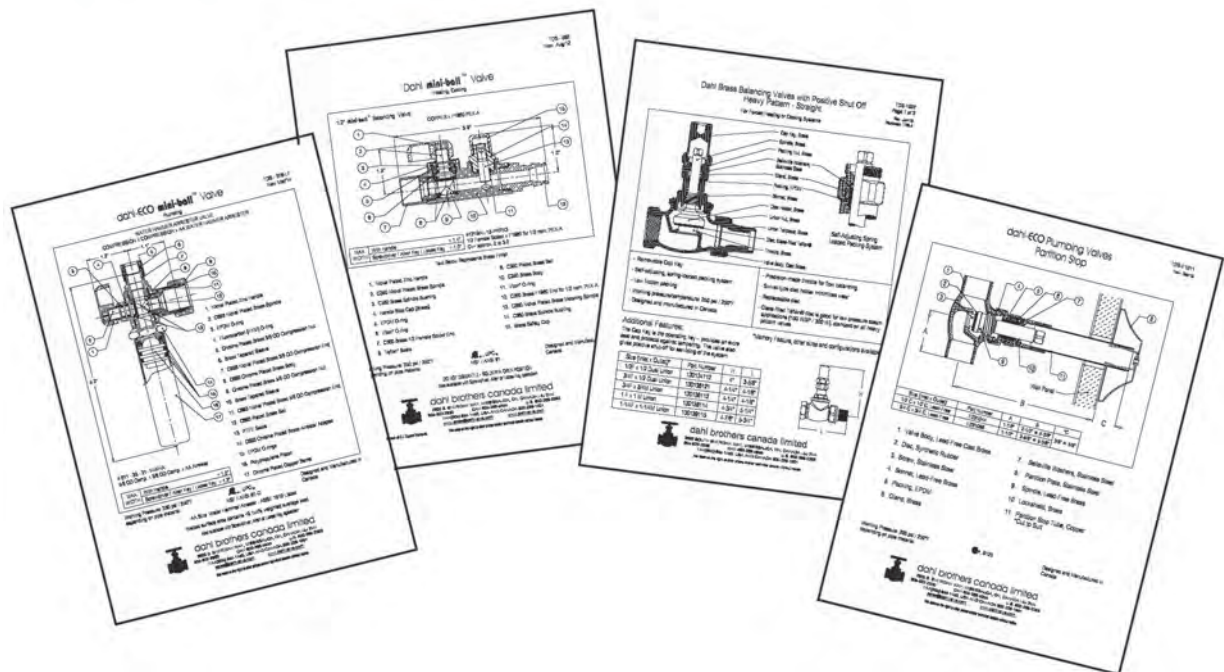
Technical Information

Submittal Sheets are available for **mini-ball™** valves, Globe Stops, Globe Style Radiator and Balancing Valves.

Visit **www.dahlvalve.com** or call

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Technical Information

dahl•ECO™

mini-ball™ VALVES



STRAIGHT PATTERN



ANGLE PATTERN

WORKING PRESSURE

- Up to 250 PSI/250°F depending on pipe material and end connections

HEAT RESISTANT

- Do not disassemble; solder in open position

CORROSION RESISTANT

- Highly resistant to dezincification and stress corrosion cracking
- Meets requirements of NSF 14 (ISO 6509 and ASTM B858)

LISTINGS, where required to

- CSA
- UPC (IAPMO)
- NSF/ANSI 372 (Formerly NSF/ANSI 61-G)

Meets CSA, IAPMO and ASME Flow Requirements

APPROXIMATE Cv (depending on pipe connections)

- 1/2 = 3.0
- 3/4 = 6.0

MATERIALS

- Brass Body
- Lead-Free compliant alloy
- Plated or Coated Zinc Handle
- PTFE, Fluorocarbon (FKM) and EPDM Seals

ADVANTAGES

- Exceeds Lead-Free* Compliance requirements.
- Quick 1/4 Turn on or off
- No adapters needed - thousands of models available
- Two stem O-Rings for safety
- Self-lubricating PTFE seals
- Compact design
- Drain/Waste models available
- Tamper Resistant operation available
- Multiple Applications for Plumbing and Heating
- dahl Quality - Each valve is tested before leaving our plant

*Lead-free means the weighted average lead content is less than 0.25% on wetted surface areas.

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Technical Information

GLOBE STOPS



APPLICATION

- Potable Water Plumbing Systems

WORKING PRESSURES

- 200 PSI/250°F

LISTINGS

- CSA
- Meets full flow requirements

MATERIALS

- Cast brass body, Lead-Free* Compliant Alloy
- Smooth die cast Zinc Handle, Powder coated
- Spring-loaded self-adjusting EPDM packing system
- EPDM disc

GLOBE RADIATOR & BALANCING VALVES

REGULAR PATTERN

#11021-4112



APPLICATION

- Forced Water Heating & Cooling Systems

WORKING PRESSURES - REGULAR PATTERN

- Hot Water 200 PSI/250°F

WORKING PRESSURES - HEAVY PATTERN

- Steam 250 PSI/250°F (150 WSP with Hi-Temp disc)
 - only heavy pattern with hi-temp disc
 - not suitable for one-pipe systems

HEAVY PATTERN

#11042-4112



MATERIALS

- Cast brass body
- Smooth heat resistant plastic handle; molded in colour Handle, Powder coated
- Spring-loaded self-adjusting EPDM packing system
- EPDM disc (or Hi-Temp disc)

ADVANTAGES

- Maintenance Free - Spring-loaded self-adjusting packing system
- Field Proven - Specified and installed across Canada since the 1960's
- Dahl Quality - Each valve is tested before leaving our plant
- Heat Resistant - Do not disassemble; solder in open position

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

See website for all standard products and specialty items. Call for project pricing.

Ph: 1-800-268-5355 CDA

Ph: 1-800-268-2363 US

Fax: 1-800-226-1801 CDA & US

sales@dahlvalve.com

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Technical Information

TYPICAL Cv VALUE FOR CONTROL VALVES

NOMINAL VALVE SIZE	TUBE O.D.	Cv VALUE
3/8	1/2	1.6
1/2	5/8	2.2 - 2.5
3/4	7/8	4.0

RECOMMENDED VELOCITY RANGE FOR BRANCH PIPING

	FPS	
	MAX	MIN
Residential	3.0	6.0
Commercial	6.0	6.0

3/8 has 3.4 times the resistance of 1/2"
3/8 will carry 50% of flow in 1/2 with same P.D.

PRESSURE DROP (PD) & VELOCITY (FPS) IN COPPER TUBE - TYPE "L"

FLOW USGPM	P.D. IN FT. OF WATER PER 10 FT. LENGTHS					
	3/8 (1/2 OD)		1/2 (5/8 OD)		3/4 (7/8 OD)	
	P.D.	FPS	P.D.	FPS	P.D.	FPS
1.0	0.8	2.2	0.3	1.4	0.05	0.66
1.4	1.6	3.1 ^R	0.5	1.9		
1.5	1.8	3.3	0.6	2.1		
2.5	4.0	5.5	1.3	3.4 ^R		
3.0	5.5	6.6 ^C	1.8	4.1	0.32	2.0
4.5			3.7	6.2 ^C		
5.0			4.4	6.9	0.8	3.3 ^R
6.0			5.1	8.3	1.1	4.0
7.0					1.4	4.6
8.0	R - Recommended Velocity Limit Residential C - Recommended Velocity Limit Commercial				1.7	5.3
9.0					2.1	6.0 ^C
10.0					2.5	6.6

FLOW & PRESSURE DROP CALCULATIONS

The Cv value tells how many USGPM of water will flow through a valve with a pressure drop of 1 psi (= 2.31 feet water column).

If the Cv of a valve is 6.0. it means that we can measure a pressure drop of 2.31 feet of water across the valve when the flow is 6 USGPM.

The basic flow formula tells us that the pressure drop (Δp) varies with the square of the flow (F):

$$\frac{\Delta p_1}{\Delta p_2} = \left(\frac{F_1}{F_2} \right)^2 \quad \text{Hence: } \Delta p_2 = \left(\frac{F_2}{F_1} \right)^2 \Delta p_1 \quad \text{and} \quad F_2 = \sqrt{\frac{\Delta p_2}{\Delta p_1}} F_1$$

EXAMPLE: What is the pressure drop of a valve, Cv 6.0 with 9 USGPM?

$$\text{Solution: } \Delta p_2 = \left(\frac{F_2}{F_1} \right)^2 \Delta p_1 = \left(\frac{9}{6} \right)^2 2.31 \text{ Ft.} = 5.2 \text{ Ft.}$$

ANG = Angle, STR = Straight, CP = Chrome Plated, RB = Rough Brass

METRIC CONVERSION OF IMPERIAL UNITS IN THIS CATALOGUE

200 PSI/250w	1379.0 kPa/121°C	FLOW RATES Convert m3/hour with 1 bar (= 14.5 psi) to USGPM/1 psi by multiplying with 1.17 1.0 M3/ hour with 1 bar = 1.17 USGPM/1 psi												
150 PSI/300w	1034.2 kPa/148.9°C													
250 PSI/250°F	1723.7 kPa/121°C													
1500 PSI	10.342 MPa													
1800 PSI	12.411 MPa													
3000 PSI	20.684 MPa													
3500 PSI	24.132 MPa													
1-7/8"	47.6 mm	VALVE SIZES <table><tr><td>1/2</td><td>13 mm</td></tr><tr><td>3/4</td><td>20 mm</td></tr><tr><td>1</td><td>25 mm</td></tr><tr><td>1-1/4</td><td>32 mm</td></tr><tr><td>1-1/2</td><td>38 mm</td></tr><tr><td>2</td><td>50mm</td></tr></table>	1/2	13 mm	3/4	20 mm	1	25 mm	1-1/4	32 mm	1-1/2	38 mm	2	50mm
1/2	13 mm													
3/4	20 mm													
1	25 mm													
1-1/4	32 mm													
1-1/2	38 mm													
2	50mm													
3-3/8"	85.7 mm													
4"	101.6 mm													
6"	152.4 mm													
1 USGPM	0.0631 L/s													
1 PSI	6.895 kPa													
1 FPS	0.305 m/s													
1 INCH	25.4 mm													

SHOULD DIELECTRIC FITTINGS BE USED WITH DAHL VALVES?

Millions of Dahl castings have been installed in plumbing and heating systems in Canada during the past fifty years between steel riser connections and copper terminal circuitry.

Very few of these have been isolated with dielectric fittings, and we have not yet had a single report of galvanic corrosion problems. The casting alloy has a copper content between 80 and 85%, and the brass union or fittings have approximately 60%. These alloys are between the steel and the pure copper on the galvanic scale. The farther apart on the galvanic scale, the greater the risk of galvanic corrosion. Since these brass alloys are closer to steel than to copper, the risk of such corrosion is reduced.

Any survey of major installations in Ontario over the past 20 years would indicate that most of them have been made without dielectric fittings. This is because of the performance record of brass and also because dielectric unions are expensive and result in more joints, and hence, potential leaks in the system.

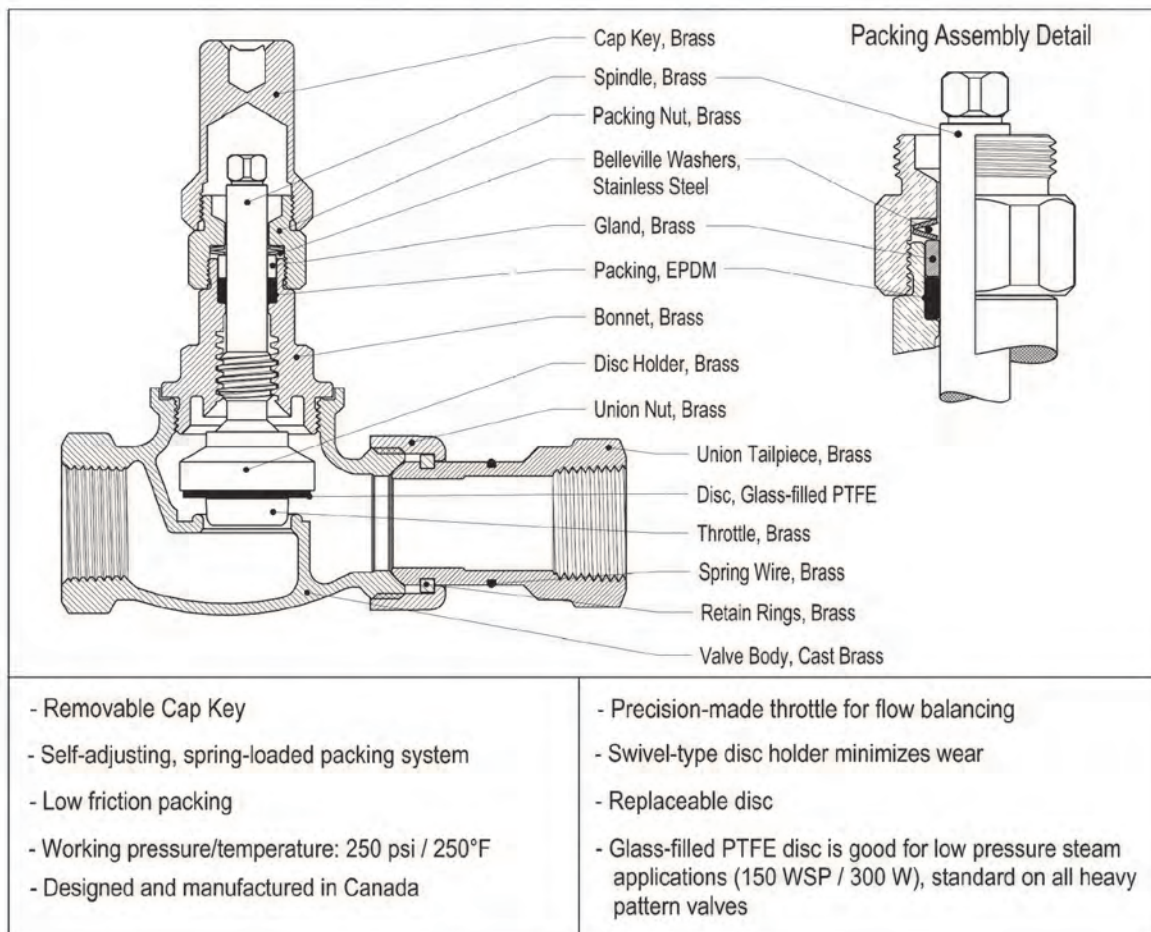
Technical Information

Sample

Submittal Sheet

Dahl Brass Balancing Valves with Positive Shut Off Heavy Pattern - Straight

For Steam, Forced Heating or Cooling Systems

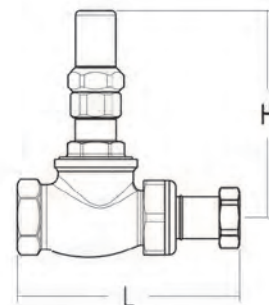


Additional Features:

The Cap Key is the operating key – provides an extra seal and protects against tampering. The valve also gives positive shut-off for servicing of the system.

Size (Inlet x Outlet) *	Part Number	H	L
3/4F x 1/2F Union	130136118	4-1/4"	4-7/8"
3/4F x 3/4F Union	130136107	4-1/4"	4-7/8"

*Memory Feature, other sizes and configurations available



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We reserve the right to alter prices and/or technical details without notice

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