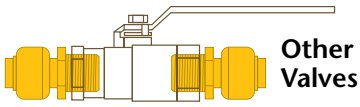
valve cimberio
technological solutions

cimPUSH™

- Connects to PEX, CPVC and copper pipework in any combination without tools, glue or solder
- A real time & money saver; fully integrated, full port ball valve reduces material costs and eliminates field fabrications and potential leak points
- Connects in both wet and dry conditions making it ideal for repair jobs
- Half the length of other push ball valves
- Compact design is perfect for installations in tight spaces
- ***FREE*** PEX inserts with every valve 
- 600 WOG body rated at 200 PSI and 250˚ F
- Blowout proof stem
- Available in 1/2", 3/4" and 1" sizes
- Patent pending

Size	Cim No.	List Price
1/2"	820-04	$20.98
3/4"	820-06	$31.60
1"	820-07	$48.14

It's cimPLE™...

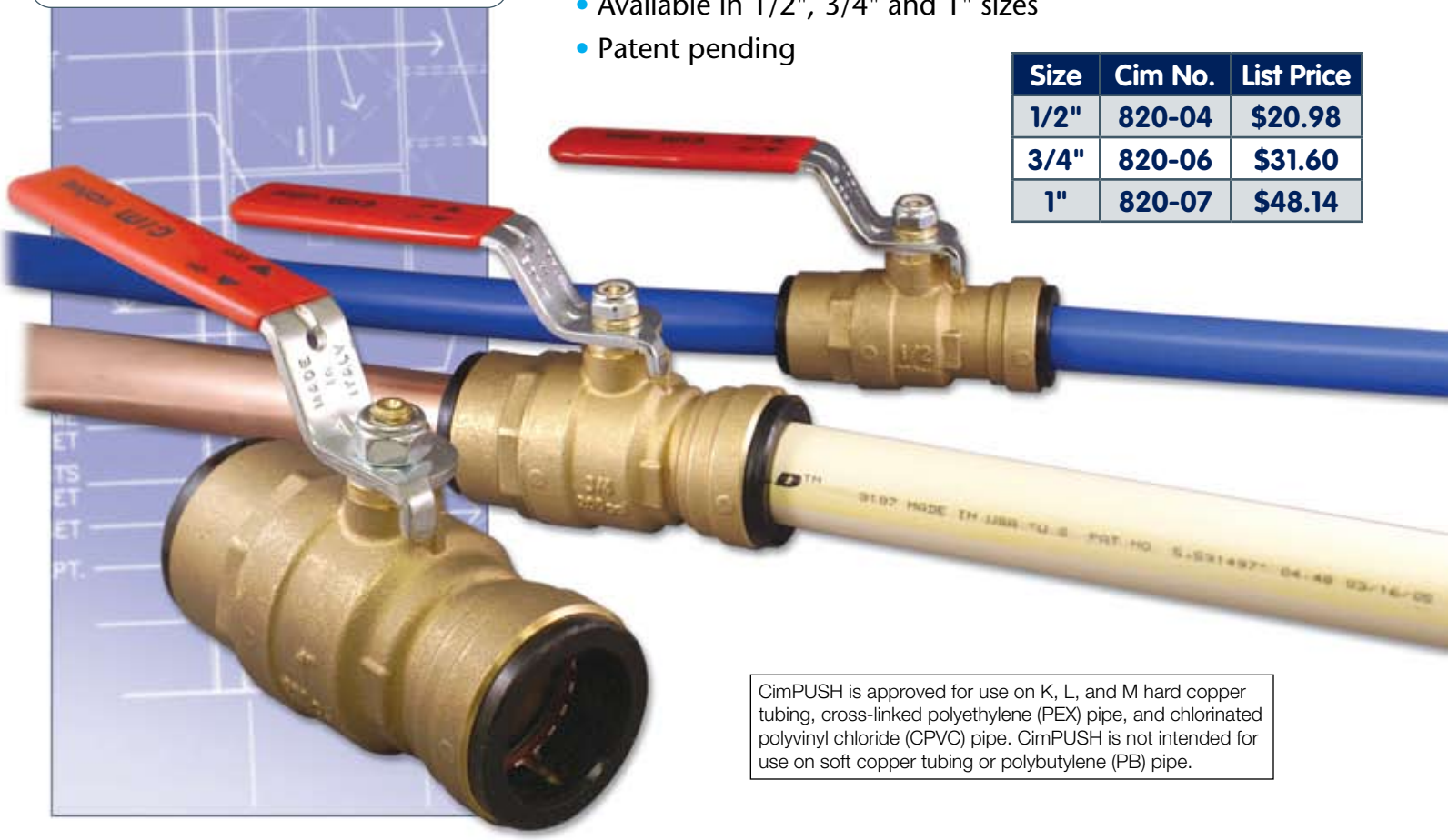


Adapter Threaded Ball Valve Adapter

Why Pay for Three Parts When One Will Do?

CimPUSH

Push-fittings are supposed to make the job easier. So why spend time and money making push valves by threading adapters into ball valves? CimPUSH is a purpose built, push ball valve that eliminates potential leak points and field fabrications. CimPUSH's integrated design means less material and a lower cost. CimPUSH features the convenience of "push" in the most efficient ball valve available.



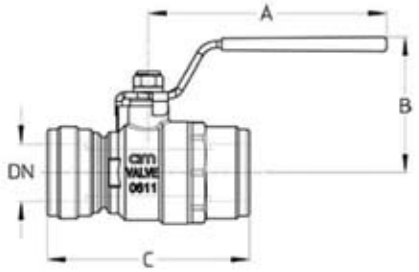
CimPUSH is approved for use on K, L, and M hard copper tubing, cross-linked polyethylene (PEX) pipe, and chlorinated polyvinyl chloride (CPVC) pipe. CimPUSH is not intended for use on soft copper tubing or polybutylene (PB) pipe.

Phone: **877.228.9246** Fax: **877.232.9246** E-mail: info@cimberiovalve.com www.cimberiovalve.com

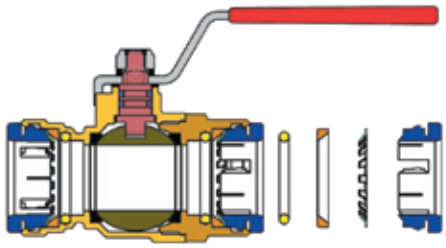
cimPUSH™ Full Port Ball Valve

cim820.1

Push Connection for Copper, PEX and CPVC



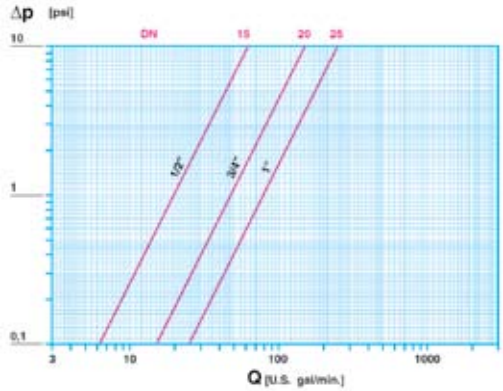
Size Port inch Port mm	1/2" 0.625" 16mm	3/4" 0.875" 22mm	1" 1.125" 28.5mm
A	3-9/16" 90mm	3-9/16" 90mm	4-5/16" 110mm
B	1-7/8" 47.5mm	2-1/16" 52mm	2-1/4" 56.5mm
C	2-11/16" 68mm	3-1/16" 77mm	3-5/8" 92mm
Pounds Grams	0.47 213	0.72 326	1.18 535
Required Pipe Insertion Depth	0.81" 20.5mm	0.91" 23.1mm	1.02" 25.9mm



Materic

- **Body:** Hot Forged Brass ASTM C37700
- **Adaptor:** Hot Forged Brass ASTM C37700
- **Ball:** Brass, Machined to a Micro-Smooth Finish, Hard Chromium Plated
- **Stem:** Brass ASTM C37700
- **Ball Seats:** Conical Rings in P.T.F.E.
- **Stem Seal:** Two O-Rings in NBR
- **O-Ring:** EPDM 70 Perox
- **Washer:** Nylon 6
- **Grip:** AISI 304 Steel
- **Ring:** Nylon 6
- **Nut:** Self-Locking Type, Steel ANSI C.1008
- **Handle:** Zinc Plated Steel with PVC Grip

FLOW AND PRESSURE DROP

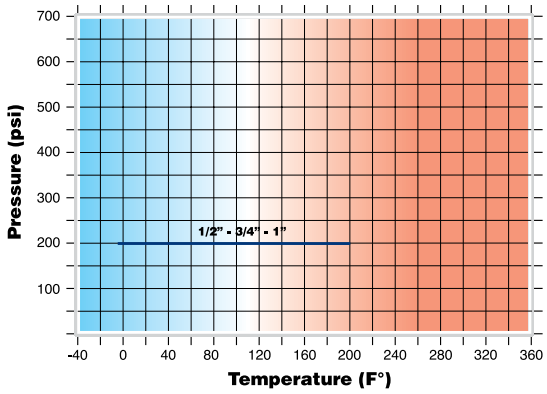


CV CM CS MT

CV: Capacity in "U.S. gal/min" at pressure drop of "1 PSI"
CM: Working Torque in "lb x in"
CS: Starting Torque in "lb x in"
MT: Torque Breaking Point on the Stem in "lb x in"
Element: Water - Temperature: 59.9˚ F

820.1	SIZE Ø mm Ø inch	1/2" 16 0.625	3/4" 22 0.875	1" 28.5 1.125
CV	gal/min	19.7	47.4	78.7
CM	N x m lb x in	3 27	5 44	6 53
CS	N x m lb x in	6 53	10 89	12 106
MT	N x m lb x in	10 89	24 213	24 213

PRESSURE/TEMPERATURE RATINGS



Working Pressure: 200 PSI

Max. Operating Temperature: Working Limit for Fluids -4˚ F – 250˚ F

Test Pressures: According to ISO 5208

Installation Instructions

1. Cut the pipe at right angles.
2. Deburr the pipe inside and outside. If installing on PEX tubing, place insert inside pipe.
3. Rotate the valve gently while pushing onto the pipe until fully inserted.

Required Pipe Insertion Depths: 1/2" - 0.81"; 3/4" - 0.91"; 1" - 1.02"

NOTE: CimPUSH valves should not be heated to over 250˚ F. You should not solder or braze within 12" of a CimPUSH valve. CimPUSH valves should not be installed within 18" of a hot water heater.