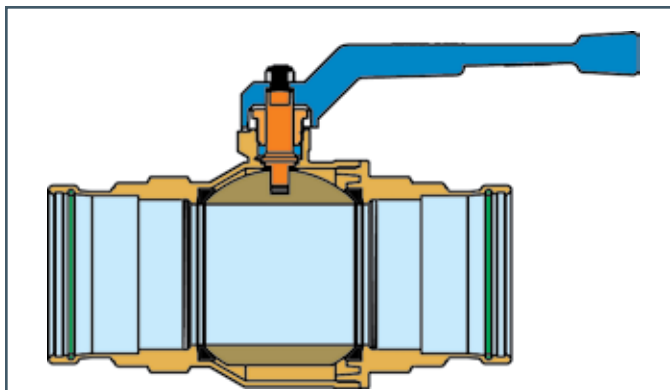


cimPRESS XLC Full Port Ball Valve

cim220XLC.1

CimPRESS x CimPRESS



Materials:

- **Body:** Hot Forged Brass ASTM C37700
- **Ball:** Brass, Machined to a Micro-Smooth Finish, Hard Chromium Plated
- **Ball Seats:** Conical Rings in P.T.F.E.
- **Stem Seal:** Rings in P.T.F.E.
- **O-Ring:** EPDM - ASTM D 2000 M2
- **Handle:** Aluminum
- **Nut:** Self-Locking Type, Steel ANSI C.1008.

All Cimberio valves qualify for the American Recovery and Reinvestment Act and the Buy American Act.

Applications:

The CIM 220XLC.1 CimPRESS ball valve is manufactured in accordance with MSS-SP-110, PS117-2004, and EN ISO 9001 standards and is designed for direct connection to hard drawn copper and/or stainless steel tube using standard press tools with XL-C jaws and rings. The CIM 220XLC.1 is suitable for use with non-aggressive fluid applications including residential, industrial, and agricultural systems. (CimPRESS is not intended for use with soft or rolled copper tubing)

Features:

CimPRESS valves were developed as purpose built valves for standard press attachment to eliminate the need to assemble separate components in the field, which could result in weak/leak points and increased material and labor costs. The CIM 220XLC.1 is manufactured from DZR "CR" corrosion-resistant brass with EPDM-ASTM D 2000 M2 O-Rings to ensure a leak proof cold crimped seal with added protection against corrosion.

CimPRESS valves eliminate the torch and the need to clean, flux and solder in order to create a permanent watertight valve connection, significantly reducing average installation time while avoiding potential fire risks and other problems associated with sweat connections; saving time and money.

Connection:

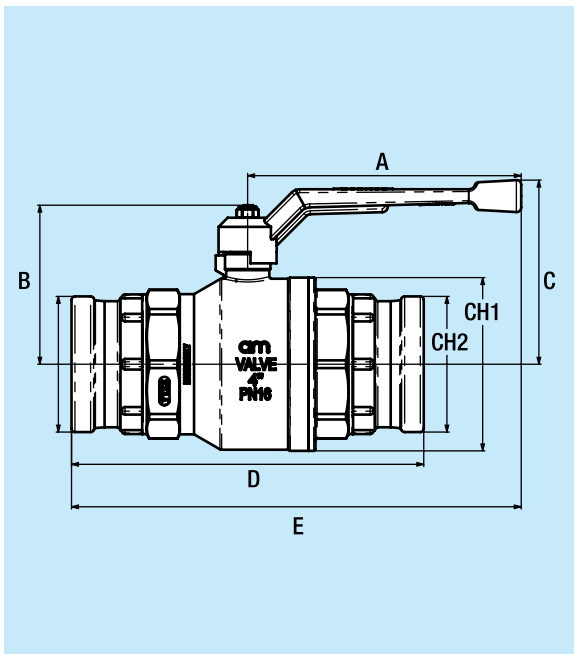
Standard press connection for copper and stainless steel tube plumbing systems. *For use with XL-C press jaws and rings only.*

| Size | Fast Order No. | Technical ID No. |
|--------|----------------|------------------|
| 2-1/2" | 220XLC-11 | CIM220XLC-E11LH |
| 3" | 220XLC-12 | CIM220XLC-E12LH |
| 4" | 220XLC-14 | CIM220XLC-E14LH |

cimPRESS XLC Full Port Ball Valve

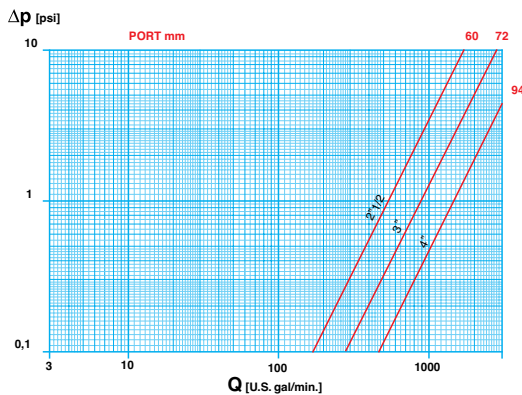
cim 220XLC.1

CimPRESS x CimPRESS

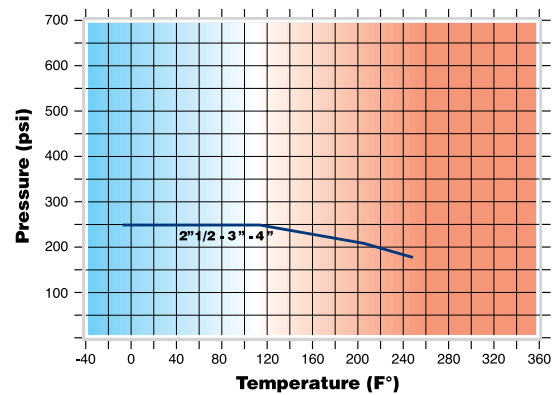


| Size Port inch Port mm | 2-1/2" 2.52" 64mm | 3" 2.99" 76mm | 4" 3.94" 100mm |
|----------------------------------|-------------------------|---------------------|----------------------|
| A | 9-7/16" 240mm | 9-7/16" 240mm | 9-7/16" 240mm |
| B | 4-9/16" 115.5mm | 4-7/8" 124.5mm | 5-1/2" 139.5mm |
| C | 5-7/16" 137.5mm | 5-3/4" 146.5mm | 6-3/8" 161.5mm |
| D | 10-3/16" 259mm | 10-7/8" 276mm | 12-3/16" 309mm |
| E | 14-9/16" 369.5mm | 14-7/8" 378mm | 15-1/2" 394.5mm |
| CH1 | 4-1/16" 103mm | 4-3/4" 121mm | 6" 152mm |
| CH2 | 3-3/16" 80.5mm | 3-11/16" 93.5mm | 4-11/16" 119mm |
| Pounds Grams | 10.12 4590 | 13.36 6058 | 21.86 9914 |
| Required Pipe Insertion Depth | 2.1685" 55.08mm | 2.1525" 54.67mm | 2.3565" 59.85mm |

FLOW AND PRESSURE DROP



PRESSURE/TEMPERATURE RATINGS



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

| | SIZE | 2-1/2" | 3" | 4" |
|----------|---------|--------|-------|--------|
| 220XLC.1 | Ø mm | 64 | 76 | 100 |
| | Ø inch | 2.52 | 2.99 | 3.94 |
| CV | gal/min | 532.4 | 865.4 | 1417.1 |
| CM | N x m | 15 | 19 | 29 |
| | lb x in | 133 | 168 | 257 |
| CS | N x m | 30 | 38 | 58 |
| | lb x in | 266 | 337 | 514 |
| MT | N x m | 280 | 280 | 550 |
| | lb x in | 2480 | 2480 | 4872 |

Working Pressure: 250 PSI

Max. Operating Temperature: Working Limit for Fluids -4° F – 248° F

Test Pressures: According to ISO 5208