# cim 80XLC


## cimPRESS™

## Swing Check Valve

Suitable for non-aggressive fluid applications including domestic and commercial plumbing, sanitary systems, autoclaves, pumps, and compressed air systems.

For use with hard drawn copper and/or stainless steel pipe using standard press tools with XL-C jaws and rings. Manufactured in accordance with MSS-SP-110, PS117-2004, and EN ISO 9001 standards.

### Features:

The CimPRESS 80XLC features press x press connections, screwed bonnet, and metal to metal seating with a one-piece, hot-forged brass EN 12165-CW617N swing disc designed for a low-pressure drop and reduced water hammer. They are manufactured from DZR "CR" corrosion-resistant brass and feature EPDM-ASTM D 2002 M2 o-rings that ensure a leak-proof, cold-crimped seal with added protection against corrosion. The Cim 80XLC can be installed vertically or horizontally to accommodate flow in one direction.

- Compatible with Standard Press Tools
- Water-Tight Seal
- Easy Installation
- Corrosion-Resistant

| Size | Cim No. |
|---|---|
| 2½" | 80XLC-11 |
| 3" | 80XLC-12 |
| 4" | 80XLC-14 |

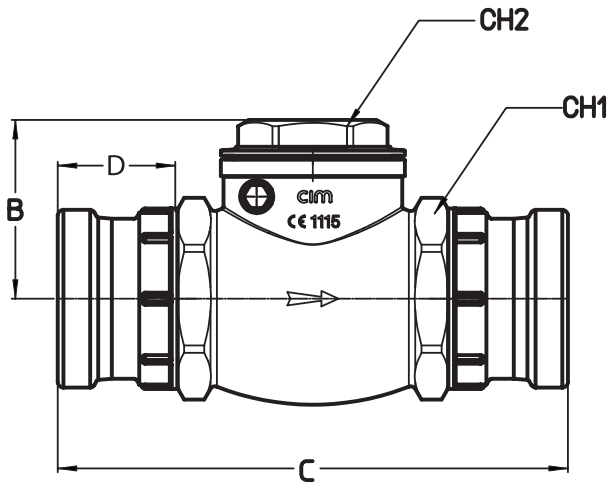
Based on NSF/ANSI 61-2008 Annex G in compliance with Section 116875 of the California Health & Safety Code.

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

# cimPRESS™ Swing Check Valve

**cim 80XLC**

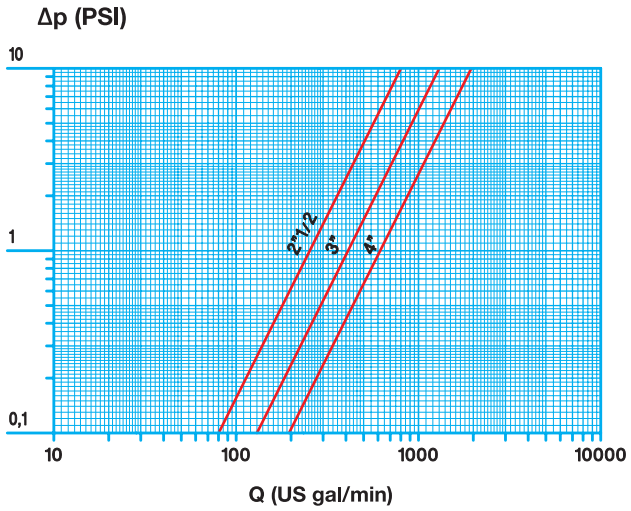
**80XLC IS NOT INTENTED FOR USE WITH SOFT OR ROLLED COPPER PIPE**



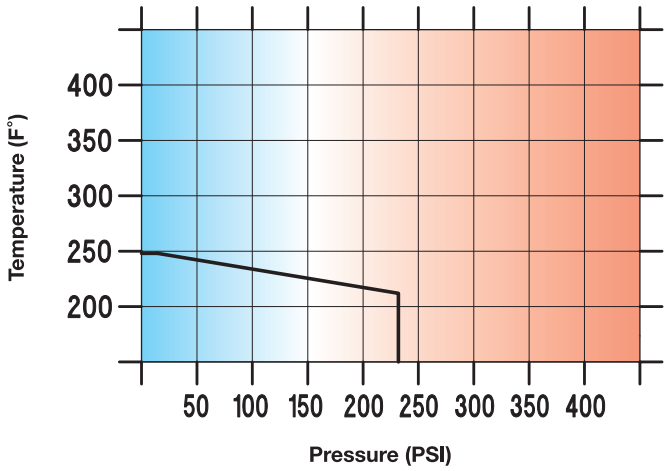

## DIMENSIONS

| Size | 2½" | 3" | 4" |
|---|---|---|---|
| B | 3⅜" 86mm | 3¾" 94mm | 4½" 115mm |
| C | 9¹³⁄₁₆" 246mm | 10⅜" 264mm | 11⅞" 302mm |
| D | 2³⁄₁₆" 55mm | 2³⁄₁₆" 55mm | 2⅜" 60mm |
| CH1 | 3⅜" 85mm | 3¹⁄₁₆" 100mm | 4¹⁵⁄₁₆" 126mm |
| CH2 | 2⁹⁄₁₆" 65mm | 2¹⁵⁄₁₆" 75mm | 3½" 89mm |
| Pounds Grams | 7.4 3360 | 10.28 4665 | 17.81 8080 |
| Minimum Pipe | 2.1685" 55mm | 2.1525" 55mm | 2.3565" 60mm |

## FLOW AND PRESSURE DROP




## PRESSURE/TEMPERATURE RATINGS




## KV - CV

**KV:** Flow rate in m3/h with a pressure drop of 1 bar

**CV:** Capacity in "US gal/min" at pressure drop of "1 PSI"

**Element:** Water - Temperature: 59.9° F

| Size | 2½" | 3" | 4" |
|---|---|---|---|
| CV | 254 | 411 | 617 |

**Working Pressure:** 232 PSI

**Max. Operating Temp:** Working Limit for Fluids: 14° F - 212° F

**Saturated Steam:** 54 PSI @ 302° F

**Test Pressure:** According to ISO 5208

Job Name: _____ Tag: _____

Job #: _____ Date: _____

Contractor: _____ Contractor #: _____

Engineer: _____ Specification #: _____