



## Balancing Valve

Suitable for both heating (LPHW) and cooling applications.

For use with hard drawn copper and/or stainless steel pipe. Manufactured in accordance with MSS-SP-110, PS117-2004, and EN ISO 9001 standards.

### Features:

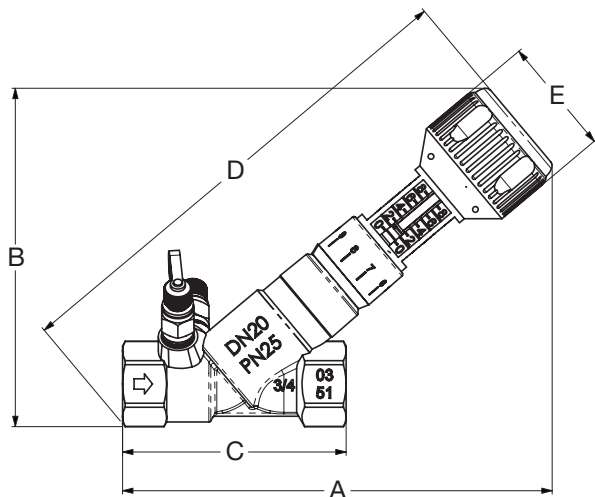
The Cim 747NL features NPT connections, dual test points, a non-rising nylon handle with 360° re-settable index collar, and a metal-to-metal thread locking mechanism that enables the valve to be closed and re-opened to its exact location. They are manufactured from DZR “CR” corrosion-resistant, no-lead brass with a working pressure up to 232 PSI, and a 250° F temperature rating. The CIM 747 has a high-accuracy flow measurement to within +/- 5% regardless of valve setting, and have been tested by BSRIA with water containing high air and dirt levels. These balancing valves demonstrated a high level of accuracy and repeatability even under the worst system conditions.

- NPT Connections
- Suitable for Heating and Cooling
- Compact Design
- Water-Tight Seal
- Easy Installation
- Corrosion-Resistant

| Size | Cim No.  |
|------|----------|
| ½"   | 747NL-04 |
| ¾"   | 747NL-06 |
| 1"   | 747NL-07 |
| 1¼"  | 747NL-08 |
| 1½"  | 747NL-09 |
| 2"   | 747NL-10 |

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.

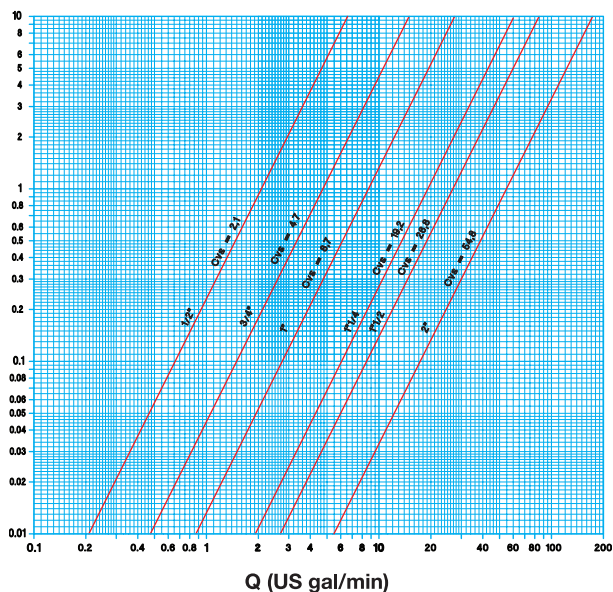


## DIMENSIONS

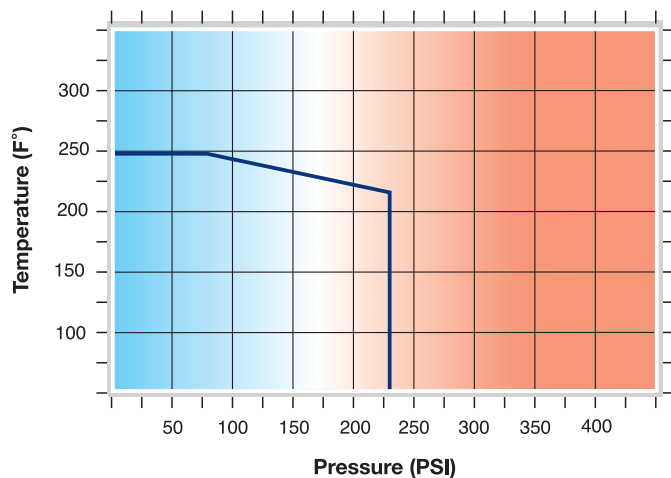
| Size   | ½"           | ¾"           | 1"           | 1¼"          | 1½"           | 2"            |
|--------|--------------|--------------|--------------|--------------|---------------|---------------|
| A      | 6¾"<br>161mm | 7¾"<br>185mm | 7¾"<br>186mm | 8¾"<br>207mm | 10¼"<br>260mm | 11¼"<br>281mm |
| B      | 4¼"<br>125mm | 5"<br>147mm  | 6¼"<br>159mm | 6¾"<br>169mm | 8¾"<br>212mm  | 9¼"<br>230mm  |
| C      | 3¾"<br>85mm  | 3¾"<br>97mm  | 4¼"<br>113mm | 5¼"<br>144mm | 6¼"<br>163mm  | 7¾"<br>193mm  |
| D      | 7¼"<br>185mm | 8"<br>216mm  | 8¾"<br>224mm | 9¼"<br>246mm | 12¾"<br>309mm | 13¼"<br>338mm |
| E      | 2¼"<br>52mm  | 2¼"<br>52mm  | 2¼"<br>52mm  | 2¼"<br>52mm  | 2¼"<br>58mm   | 2¼"<br>58mm   |
| Pounds | 1.5          | 2.05         | 2.49         | 3.65         | 5.43          | 8.21          |
| Grams  | 680          | 930          | 1130         | 1655         | 2465          | 3725          |

## FLOW AND PRESSURE DROP

$\Delta p$  (PSI)



## PRESSURE/TEMPERATURE RATINGS



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

**Working Pressure:** 232 PSI

**Max. Operating Temp:** Working Limit for Fluids: 14° F - 248° F

**Test Pressure:** According to ISO 5208

## CV

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

| Size | ½"  | ¾"  | 1"  | 1¼"  | 1½"  | 1"   |
|------|-----|-----|-----|------|------|------|
| CV   | 2.1 | 4.7 | 8.7 | 19.2 | 26.8 | 54.8 |

Job Name: \_\_\_\_\_

Job #: \_\_\_\_\_

Contractor: \_\_\_\_\_

Engineer: \_\_\_\_\_

Tag: \_\_\_\_\_

Date: \_\_\_\_\_

Contractor #: \_\_\_\_\_

Specification #: \_\_\_\_\_