

Isolation full-port low-lead ball valve

290030



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Application

The code 290030 full-port ball valve is designed for isolating a variety of Caleffi valves with 1" metric "G" thread union connections. The isolation valve installs in between the valve body and the tailpiece fitting assembly. Male x female configuration and bi-directional full ball valve flow capacity provides flexibility for using one or two isolation valves for the primary functioning valve. An optional stem extension is also available for those projects that require pipe insulation.

The 290030 valve features a blowout proof stem, PTFE seats, double o-ring stem seals, chrome-plated lead free brass ball and stem, and cast aluminum T-handle. It complies with NSF/ANSI 61 & 372.

Compatible valve bodies (1" union) include the 127 FlowCal balancing valve, 132 QuickSetter+ balancing valve, 5205 AngleMix mixing valve, 521 MixCal mixing valve (pictured), Z-one zone valves and more.

Typical Specification

Furnish and install on the plans and described herein, code 290030, Isolation full-port low-lead ball valve as manufactured by Caleffi in size 1" x 1" male x female metric (G) thread connections. Each valve must be designed with a blowout proof stem, PTFE seats, double o-ring stem seals, chrome-plated lead free brass ball and stem, and cast aluminum T-handle. Each isolation valve complies with NSF/ANSI 61 and 372. Provide with an optional stem extension, code NA10815, for projects requiring pipe insulation, purchased separately, field install. It must be designed for 230 psi (16 bar) maximum working pressure and 300°F (150°C) maximum working temperature, with full open flow coefficient Cv 5.8 (Kvs 5.0).

Technical Data

Valve

Valve

- Body and male end cap: DZR low-lead brass EN 12165 CW510L
- Female unplated nut: DZR low-lead brass EN CW617N EN 12165
- Chrome-plated ball and unplated stem: DZR low-lead brass EN 12164 CW510L
- Seats (2): PTFE
- O-ring stem seals (2): EPDM
- Gasket: EPDM
- Green T-handle (RAL6001): Cast Aluminum EN AC-46100 EN 1676
- Stem extension, code NA10815.....Aluminum (optional, purchase separately, field install)

Performance

- Suitable Fluids: water, glycol solutions
- Max. percentage of glycol: 50%
- Max. working pressure: 230 psi (16 bar)
- Working temperature range: -40 – 300°F (-40 – 150°C)
- Flow coefficient, fully open: Cv 5.8 (Kvs 5.0)

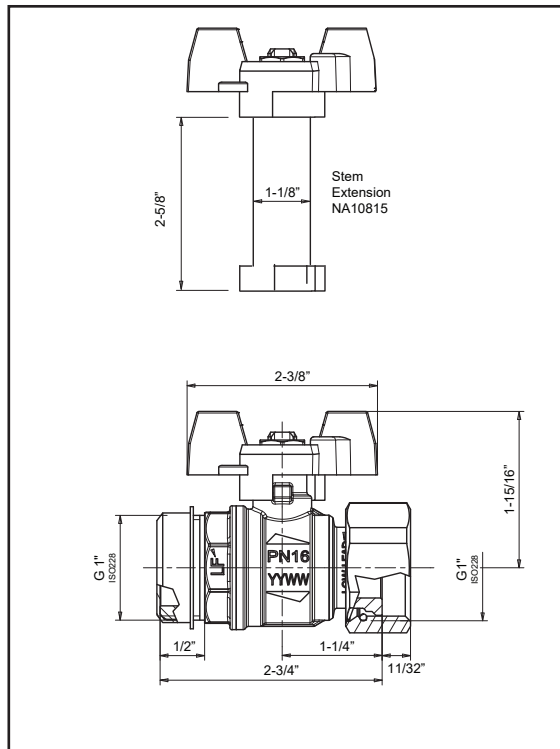
Connections:

Main connections: 1" Metric "G" thread Male x Female, ISO 228/1

Certifications

Complies with NSF/ANSI 61 & 372.

Dimensions



We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name _____	Size _____
Job location _____	Quantity _____
Engineer _____	Approval _____
Mechanical contractor _____	Service _____
Contractor's P.O. No. _____	Tag No. _____
Representative _____	Notes _____