



124-150

fill and flush valves

SD 033 09-11-2020

Application

The Altecnic fill and flush valve is designed for use on domestic and small commercial heating systems.

The combination of two ball isolating valves and one 'T' port diverting ball valve are used to fill and flush the system with cleaning chemicals or water treatment.

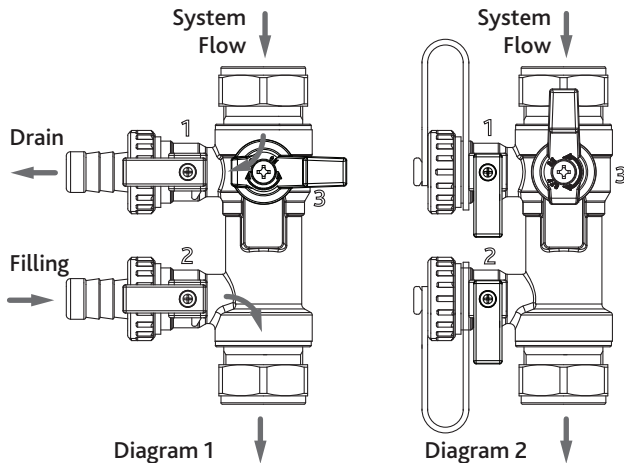
Construction Details

| Component | Material | Grade |
|---------------|-----------------------|--------------------|
| Body | Brass | BS EN 12165 CW617N |
| Ball | Brass - chrome plated | BS EN 12164CW617N |
| Stem | Brass | BS EN 12164 CW617N |
| Stem 'O' ring | EPDM | |
| Washer | PTFE | |
| Handle | Polymer | ABS |
| Blank cap | Brass | BS EN 12165 CW617N |
| Strap | PCV | |

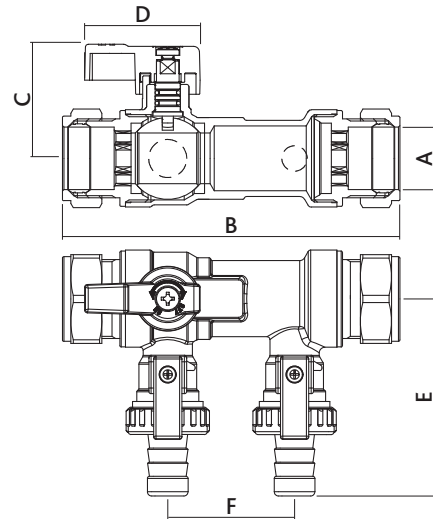
Technical Specification

| | |
|----------------------------------|---|
| Maximum Temperature: | 85°C |
| Minimum Temperature: | 2°C |
| Maximum Pressure: | 10 bar |
| Compression ends complying with: | BS EN 1252-2 for use with R250 (half hard) copper tube. |

Lever Positions



Dimensions



| Ref No | ØA | B | C | D | E | F | kg |
|----------|----|-------|------|----|----|----|------|
| 124-1501 | 22 | 108 | 40.5 | 41 | 70 | 45 | 0.59 |
| 124-1502 | 28 | 125.7 | 40.5 | 41 | 70 | 45 | 0.73 |

Fill and Flush the System

Connect the water supply to the filling connection and a hose to the drain connection - see diagram 1.

Turn valve 3 to direct the flow to drain, open valves 1 & 2 and any manual air vents.

Gradually fill the system with clean water or flushing solution until all the air has been released and the system is full, then close any manual air vents

Turn valve 3 back to system flow and operate the system - see diagram 2.

Close valves 1 & 2, pressurise the system and operate the system following the specified flushing procedure.

Final Fill and Start Up

Open valves 1 & 2 and any manual air vents then turn valve 3 to drain and allow the system to empty through the drain port - see diagram 1.

Fill the installation with water treatment / glycol mix until all the air has been released and the system is full, then close any manual air vents.

Turn valve 3 back to system flow and operate the system periodically releasing any trapped air - see diagram 2.

Close the drain valve 1 and pressurise the system.

Close the filling valve 2.

Fit the blank caps provided.

© Patents & Design Altecnic 2020

Altecnic Ltd retains all rights (including patents, designs and copyrights, trademarks and any other intellectual property rights) in relation to all information provided on or via the website, brochures or any other documents, including all texts, graphics and logos, contained on the website, in brochures or in any other documents published in the name of or on behalf of Altecnic Ltd in any form, without prior written consent of Altecnic Ltd.

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW T: +44 (0)1785 218200 E: sales@altecnic.co.uk altecnic.co.uk

Registered in England No: 2095101 E & O.E © Altecnic Limited. 2020 ALTECNIC™