Compact One Piece Inlet Control Group

Combination valve for unvented cylinder safety that features a pressure reducing, pressure relief and double check valve with integral strainer

Overview

Reliance Valves Compact Inlet Controls are a range of inlet controls with composite bodied relief valves to reduce heat loss and weight. Combining a number of different devices in a one-piece unit, the Compact inlet Controls is designed for unvented systems to control the incoming water supply to a hot cylinder or similar application.

The lightweight unit incorporates a drop tight pressure reducing valve that holds the valves Pre-set pressure regardless of whether under flow or no flow conditions or fluctuating inlet pressures, a single check valve that protects the system for backflow prevention up to Fluid Category 2, and a Pre-set pressure relief valve that prevents the system from over pressurisation.

The expansion relief valve is designed so it can rotate, allowing the discharge connection to be easily fitted in various directions. The valve also includes a specific connection for a balanced cold water take off that allows the user to connect a cold water feed direct from the inlet control valve, as well as a dedicated connection for an expansion vessel (exc. CWIC355200).

Features & benefits

- Integral strainer
- Balanced cold water take-off
- Drop tight pressure reducing cartridge
- Prevents over pressurisation
- Single check valve
- Dedicated expansion vessel connection (on some models)
- Rotating expansion relief valve
- Suitable for cold water use only

Standards & approvals

WRAS Approved
BS EN 1567
BS EN 1491
EN 13959

Product code	Description	Size
CWIC355030	3 Bar PRV & 6 Bar Relief Valve	22mm
CWIC355035	3 Bar PRV & 4.75 Bar Relief Valve	22mm
CWIC355040	2 Bar PRV & 6 Bar Relief Valve	22mm
CWIC355045	2.1 Bar PRV & 8 Bar Relief Valve	22mm
CWIC355050	1.5 Bar PRV & 3 Bar Relief Valve	22mm
CWIC355055	1.8 Bar PRV & 3.5 Bar Relief Valve	22mm
CWIC355060	3 Bar PRV & 5 Bar Relief Valve	22mm
CWIC355065	3 Bar PRV & 8 Bar Relief Valve	22mm
CWIC355070	3.5 Bar PRV & 8 Bar Relief Valve	22mm
CWIC355090	3.5 Bar PRV & 6 Bar Relief Valve	22mm
CWIC355200*	3.5 Bar PRV & 6 Bar Relief Valve	22mm

**without cold water take off*

WRAS APPROVED PRODUCT

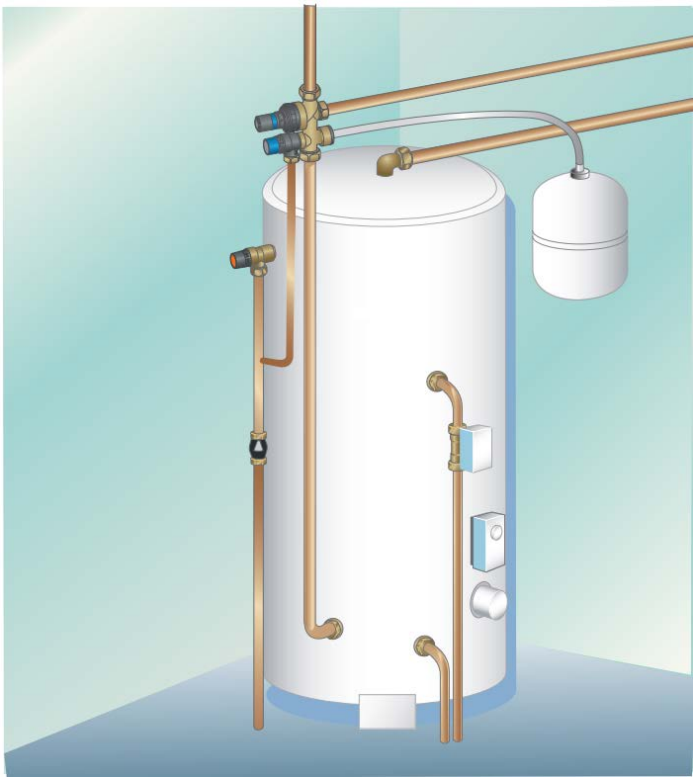
Reliance VALVES

22mm Compact One Piece Inlet Control Group

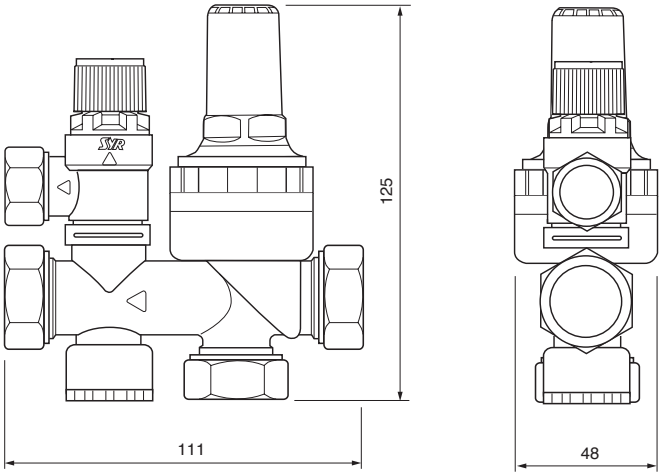
Specifications

Maximum working pressure	16.0 bar
Maximum temperature	45°C
Pressure reduction ratio	10:1 max
Connection	22mm

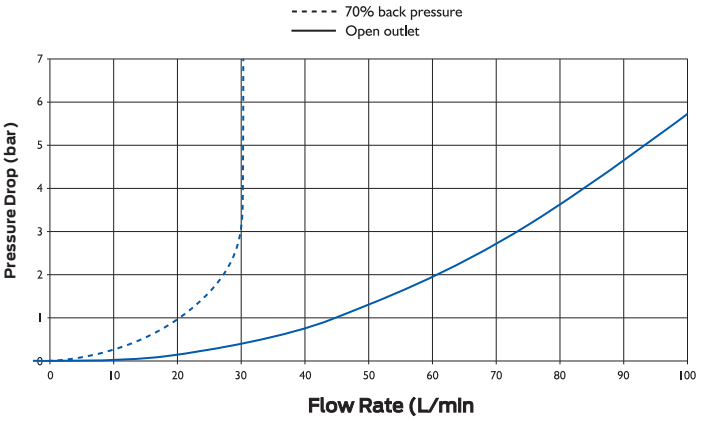
Typical Installation



Dimensions – All measurements in mm unless otherwise stated



Flow rates



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