



**CHEMICAL SUPPORT SYSTEMS**  
DESIGN / ENGINEER / MANUFACTURE / INSTALL

Unit 21 Road Three, Industrial Estate,  
Winsford, Cheshire, CW7 3PD  
Tel: 01606 861809 Fax: 01606 559337

# 312 COMPACT PRESSURE REDUCING VALVE

Cold water up to 45°C

PRED312020	1/2" FBSP
PRED312025	3/4" FBSP
PRED312001	1/2" MBSP union
PRED312005	3/4" MBSP union
PRED312010	15mm compression
PRED312015	22mm compression

Hot water up to 80°C

PRED312070	1/2" FBSP
PRED312075	3/4" FBSP
PRED312050	1/2" MBSP union
PRED312055	3/4" MBSP union
PRED312060	15mm compression
PRED312065	22mm compression



## Overview

Range of domestic pressure reducing valves, compact in design and adjustable between 1.5 - 6.0 bar. All working components are contained in cartridge form with two downstream test points, one either side.



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# 312 COMPACT PRESSURE REDUCING VALVE

## Features and Benefits

- Drop tight valve: controls the pressure under both flow and no-flow conditions
- One-piece, easy to replace cartridge contains all working parts
- Fully serviceable integral strainer to protect the seat of the valve
- Installation flexibility: can be installed in any orientation and is available in both hot and cold versions
- Gauge ports located on either side of the base of valve

## Specifications

Maximum working pressure	16 bar
Adjustable set pressure	1.5-6.0 bar
Pressure reduction ratio	10:1
Maximum working temperatures:	
Cold water version	45°C
Hot water version	80°C

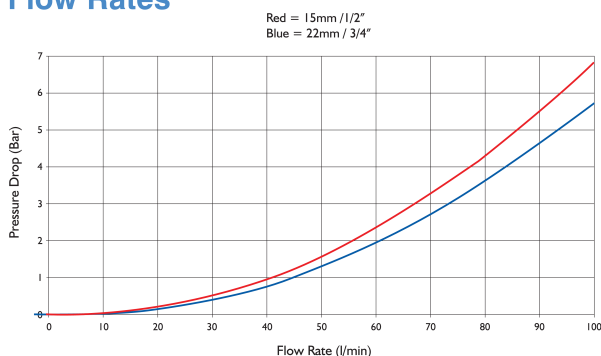
## Materials

Body	DZR brass
Internal components	DZR brass
Seals	EPDM
Spring	Zinc plated spring steel
Strainer	Stainless steel
Diaphragm	EPDM
Cover	Glass filled nylon polymer

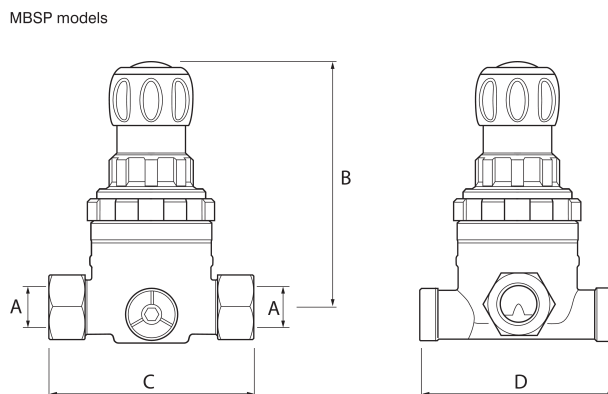
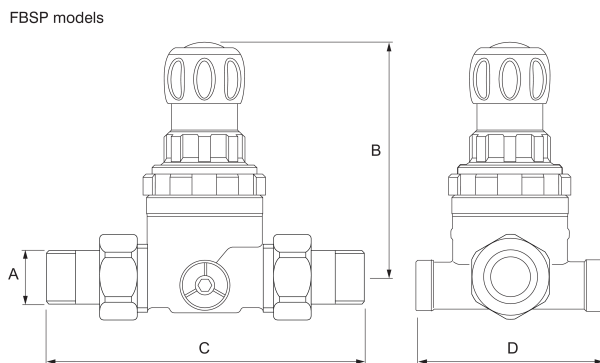
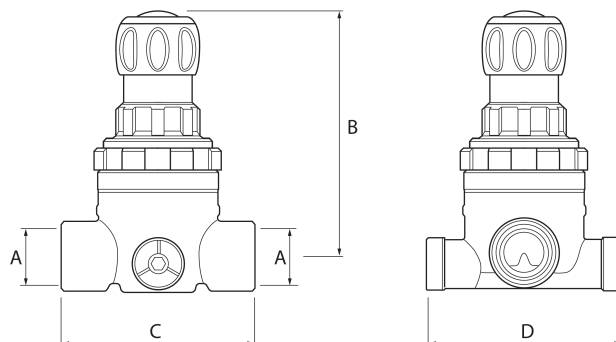
## Standards and Approvals

WRAS Approved  
DVGW  
BSEN 1567

## Flow Rates



## Dimensions



Compression models

	A	B	C	D
PRED312020 PRED312070	1/2" FBSP	92	72	74
PRED312025 PRED312075	3/4" FBSP	92	76	74
PRED312001 PRED312050	1/2" MBSP union	93	125	75
PRED312005 PRED312055	3/4" MBSP union	93	134	75
PRED312010 PRED312060	15mm comp	92	62	74
PRED312015 PRED312065	22mm comp	92	65	74

All dimensions shown in mm unless otherwise stated



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