

Series X65B-AUS

X65B-AUS-EN-202010

Pressure Reducing Valves

Size: DN15-DN50

Series X65B Water Pressure Reducing Valves are designed to reduce incoming water pressure to a sensible level to protect plumbing system components and reduce water consumption.

The X65B is a cartridge style regulator and is orderable as a complete, ready-to-install regulator.

The X65B delivers superior flow performance with low fall off pressure while reducing flow noise with its engineered seat design. The X65B is a 100 percent balanced valve, as inlet pressures fluctuates, reduced pressure does not.

The X65B incorporates control valve style stem and disc guidance for accuracy and longevity. The X65B Cartridge Assemblies are available in standard pressure range of 138 – 552 kPa, preset at the factory to 500 kPa or high-pressure range (HP) of 345 to 1034 kPa preset at the factory to 690 kPa. The standard bypass feature* permits the flow of water back through the valve into the main when pressures, due to thermal expansion on the outlet side of the valve, exceed the pressure in the main supply.

Features

- 100% balanced valve, unique to Watts, provides reliable flow performance
- Full size range available rated to 2760 kPa to meet your commercial and residential applications
- Seat design reduces flow noise
- Cartridge Assemblies available in standard and high-pressure (HP) models
- High performance thermoplastic integral seat cartridge
- High temperature resistant reinforced diaphragm for hot water
- Bypass feature in Cartridge Assembly controls thermal expansion pressure*
- Cartridge Style valve enables quick and easy installation or service in-line
- Standard construction includes sealed spring cage and corrosion resistant adjusting and cage screws for accessible outdoor or pit installations

* The bypass feature will not prevent the pressure relief valve from opening on the hot water supply system with pressures above 1030 kPa.

Material

Component	Material
Body	Lead Free Bronze
Seat	Thermoplastic
Strainer	Stainless Steel
Diaphragm	EPDM
Disc	EPDM

Installation Dimensions

DN	Dimensions						Weight
	A	B	C	D	E	F	
mm	mm	mm	mm	mm	mm	mm	kgs.
15	76.7	137.7	32.8	61.2	93.0	109.2	0.65
20	79.8	137.7	32.8	61.2	96.0	112.3	0.69
25	90.4	157.2	34.5	70.6	110.2	130.0	1.01
32	110.2	176.0	39.4	81.8	142.7	175.3	1.64
40	140.2	297.9	47.5	115.8	142.7	205.2	4.20
50	140.2	297.9	47.5	115.8	173.5	206.8	4.35



Pressure - Temperature

- Temperature Range: 0.5°C – 82°C
- Maximum Working Pressure: 2760 kPa
- Adjustable Reduced Pressure Range: 138 – 552 kPa
- Standard Reduced Pressure Setting: 500 kPa
- HP Reduced Pressure Range: 345 – 1034 kPa
- HP Reduced Pressure Setting: 690 kPa

Specification

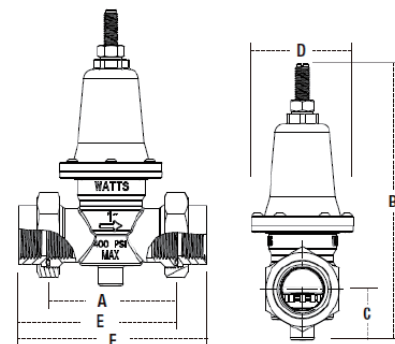
- Design Standard: AS13572
- Medium: Non corrosive liquid

Approval



Option

X65B-HP High Pressure – BSP threaded female inlet x BSP female outlet
Taller spring covers on HP model



Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



Characteristic Curves

