



Series PRVA

Pressure Reducing Valves

Straight Through: PRVAS15F & PRVAS20F

Right Angle: PRVAR20F

◆ Application:

Series PRVAS15F & PRVAS20F Water Pressure Reducing Valves are designed to control and reduce the incoming water pressure to a compliant level to protect plumbing system components and assist in reducing water consumption. This series is suitable for water supply pressures up to 2000 kPa (290psig) and comes factory pre-set at 500 kPa.

Series PRVAR20F is suitable for water supply pressures up to 1600KPa and comes set at 500KPa.

All parts are quickly and easily serviceable without the need to remove the valve from the line.



PRVAS15F & PRVAS20F

◆ Typical Application:

Apartment, Residential and Small Commercial Water Supply

◆ Features:

- High performance and High flow capacity
- Integral stainless steel valve seat and strainer
- Brass body construction
- Serviceable in-line and no breather hole
- Low noise profile
- F x F BSPP



Pressure reducing valve

◆ Specifications

A Water Pressure Reducing Valve and strainer shall be installed to reduce pressures to a preset of 500 KPa (72.5psig) or less.

The valve shall have a stainless steel seat with EPDM seat disc and diaphragm.

◆ Approvals



Watts product specifications in metric units are provided for reference only. For precise measurements, please contact Watts Technical Service. 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.





Pressure - Temperature

PRVAS15F & PRVAS20F

Temperature Range: (.5°C – 80°C)
 Maximum Working Pressure: 2000 kPa (290psi)
 Reduced Pressure Setting: 72.5psi (500 kPa)
 Adjustable Outlet Pressure Range: 150-600 kPa
 Maximum Reduction: 4:1

PRVAR20F

Temperature Range: .5°C – 80°C
 Maximum Working Pressure: 1600 KPa (232psi)
 Outlet Pressure: 500 KPa (72.5psi)

Material:

PRVAS15F & PRVAS20F

Body: Brass CW602N
 Cover: Nylon
 Disc: Brass CW602N
 Seat: PPS
 Stem: Brass CW602N

PRVAR20F

Body: Brass CW602N
 Cover: Brass CW602N
 Disc: Brass
 Seat: S30400
 Steam: Brass CW602N

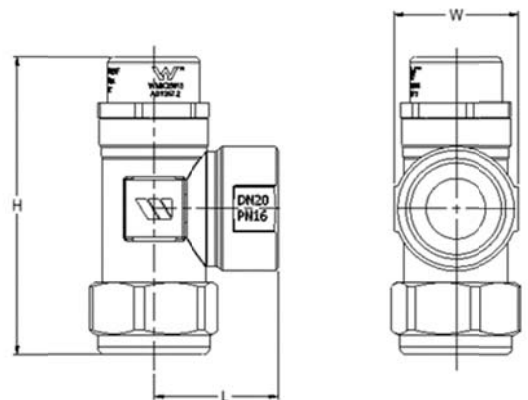
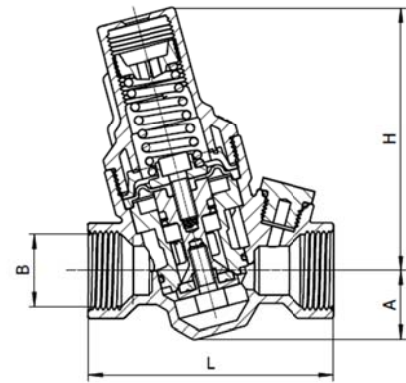
Installation Dimensions:

PRVAS15F & PRVAS20F

DN	DIMENSIONS			
	L	H	A	B
mm	mm	mm	mm	
15	93	87	23	G1/2
20	93	87	23	G3/4

PRVAR20F

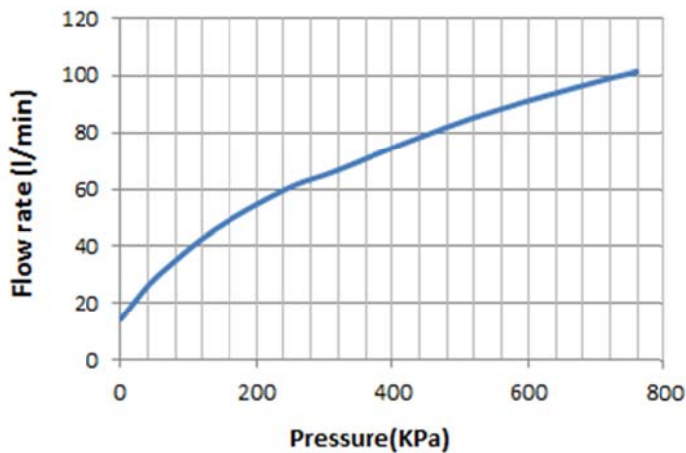
DN	DIMENSIONS			Connections
	L	H	W	
mm	mm	mm	mm	
3/4"	33	83.5	33	G3/4"x3/4" compression



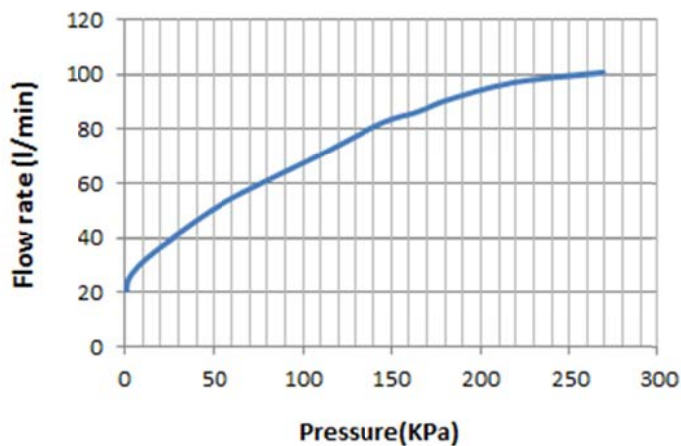
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◆ Characteristic Curve: PRVAS15F & PRVAS20F



PRVAR20F



◆ Installation Instructions:

1. The valve's rated parameters should match the application. Make sure that the valve's rated flow satisfies the actual demand;
2. The installer must be trained and experienced so as to operate the installation correctly;
3. A thorough check after installation is needed to ensure no errors;
4. A thorough cleaning before installation is needed (chemical reagent can be applied if it is necessary) to ensure that there is not any rusting or dirt in the pipe. All the filters must be removed before washing to keep the pipe smoothly open;
5. When beginning to wash the system, it is suggested to install the valve on a temporary pipe. After finishing system cleaning, move the valve back and install it into the system's pipe;
6. Use threaded connector that meets the correct standard to connect the valve;
7. The direction of flow must match to the direction of the arrow head on the valve body.
8. Do not expose valves to a torch flame or heat, excessive heat will destroy the seals and sealing components.

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◆ Maintenance

1. Close and isolate the valve prior to and after the pressure relief valve.
2. Completely loosen the adjusting bolt on the pressure relief valve cover.
3. Remove the cover
4. Remove the valve core
5. Clean valve body and valve core.
6. Reassemble, adjust export pressure to demand pressure.



Note: When used in Domestic installations the unit must comply to AS/NZS 3500 for maximum fixture pressures not to exceed 500kPa

For more information, please visit our Watts website: www.wattswater.com.au. Thanks.