

# Pressure Reducing Valve & Gauge

## FOR STATIC & DYNAMIC PRESSURES

22mm with 15mm reducing inserts



Pressure reducing valves are installed in water systems to reduce and stabilise inlet pressures from mains water supplies or boosted water systems.

They can reduce noise and offer protection, prolonging the lifespan of equipment in the system.



### TECHNICAL SPECIFICATIONS

Material	Brass
Surface	Chrome plated
Medium	Potable water
Pressure gauge connection	1/4" BSP
Pressure gauge	0-10 Bar/145psi
Max. inlet pressure	16 Bar
Outlet pressure	Adjustable 1-6 Bar
Max. water temp.	100°C
Size	22mm with 15mm inserts
Code	<b>PRV1522</b>

### SETTING INSTRUCTIONS

All pressure reducing valves are tested before being packaged. During production each valve is pre-set to an outlet pressure of 3 Bar.

To modify the outlet pressure, follow the steps below (only turn the screw on the plastic head, not the head itself):

1. Turn off the mains stopcock
2. Leave a tap in the property left open (e.g. a bath tap)
3. Adjust the PRV (using the screw on the plastic head)
4. Turn on the mains stopcock
5. Read the pressure on the gauge (with the tap still open)
6. If the outlet pressure is too low/high, repeat steps 1-5 (this may take a few times to get right)

- *A tap should always be left open while adjusting the PRV (the gauge indicates the correct pressure with water flowing through the valve)*
- *Do not adjust the PRV with water running through the valve*
- *The pressure gauge may show an increased reading with the stopcock open and all taps/outlets closed; simply open a tap to view the correct pressure*

### MAINTENANCE

To maintain the life of the reducing valve, occasional cleaning of the stainless steel filter is recommended. Isolate the valve or drain the system, carefully unscrew the plastic head of the valve, remove the internal stainless steel filter, clean with warm water (do not use detergents), refit the filter in reverse order.

### REDUCING INSERTS

If reducing the pipework to 15mm, simply remove the 22mm olive and fit the one-piece reducing insert. Once the reducing insert is in place, begin to tighten the compression nut with the pipe installed. The first level of tightening causes a portion of the insert to detach from the rest of the insert body; this creates an 'olive' to provide a seal. Then, simply tighten as you would a normal compression nut, until there is a secure fit around the pipe.

