

# Pressure reducing valve REDUBAR

New



Made in EEC in our production unit  
ISO 9001 certified by BVQI.

- Compact pressure reducing valve.
- Ideal for protecting electric hot water storage heaters, household appliances and vending machines.
- Factory preset at 3 bar and can be set from 1,5 to 4 bar.
- Approval: ACS (F).

 **WATTS**<sup>®</sup>  
**INDUSTRIES**

A Division of Watts Water Technologies Inc.

**Utilisation:**

Redubar is an ideal pressure reducing valve for protecting electric hot water storage heaters, household appliances and vending machines.

**Approval:**

A.C.S. (F)

**Advantages:****⇒ COMPACT**

Takes less space, easier to fit, less obtrusive underneath hot water storage heaters.

**⇒ READY TO INSTALL**

Factory preset at 3 bar, you can change the setting from 1,5 to 4 bar.

**⇒ ANY POSITION**

Redubar can be fitted in any position.

**⇒ ROBUST**

The Redubar does not require any special maintenance.

**⇒ TRIED AND TESTED RELIABILITY**

Redubar is made in EEC in our production unit ISO 9001 certified by BVQI.

**⇒ SILENT**

The valve system design and types of seals used ensure operation with minimal noise.

**Why 3 bar presetting ?**

Pressures over 3 bar can result in accelerated water velocity in pipes with the risk of:

- creating water hammer,
- washing off the grease on ceramic inserts making head and lever movement harder in taps,
- loosening limestone deposits in pipes causing ceramic inserts to break in taps.

An excessive pressure in electric hot water storage heaters can cause the safety group to open leading to significant water consumption.

All the performances and the characteristics announced by the manufacturers of taps are measured to 3 bar.

### Technical specifications:

- Pressure reducing valve can be set from 1,5 to 4 bar.
- Brass body nickel plated and/or plain finished.
- Slotted adjusting screw that can be turned with a flathead screwdriver.
- Factory preset at 3 bar  $\pm$  0,5 (2,5 to 3,5 bar).
- Maintenance free and robust.
- Ideal for protecting electric hot water storage heaters, household appliances, vending machines and many more appliances.
- 15 bar maximum inlet pressure.

### Utilisation:

- Cold water.
- Hot water up to 70°C.
- 15 bar max inlet pressure.
- Preset 3 bar  $\pm$  0,5 (2,5 to 3,5 bar).

### Recommendations / installation:

- Install the pressure reducing valve after the water supply system has been cleaned, rinsed and when air has been expelled.
- Install the Redubar at the inlet of the water circuit which you want to protect (kitchen, bathroom, piping of watering etc...).

To increase or reduce outlet pressure, adjust the screw on the top of Redubar with a flathead screwdriver. THE SETTING SHOULD ALWAYS BE CARRIED OUT UNDER " NO FLOW " CONDITIONS, I.E. WITH ALL DOWNSTREAM TAPS OR FLOW CLOSED.

With a flat screwdriver :

To increase outlet pressure, tighten screw clockwise (when looking at the screw from above - screw on the top of the device). To reduce the outlet pressure, unscrew the adjusting screw completely turning anticlockwise (when looking at the screw from above), briefly open a tap, then close it, and then tighten the screw until the required pressure setting is obtained. To control the final pressure of the network using a pressure gauge installed downstream from the Redubar.

- Can be installed in any direction.

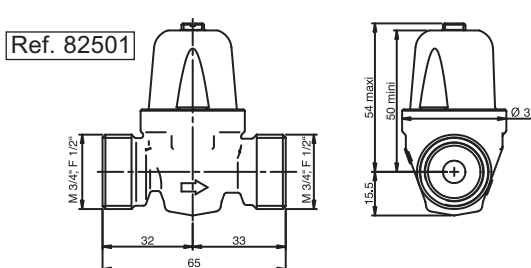
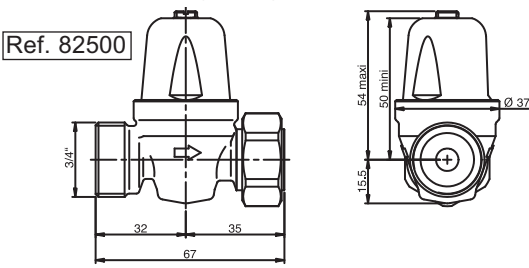
### Maintenance:

Redubar requires no special maintenance, nonetheless we recommend that it is fitted in an accessible place.

### References, dimensions :

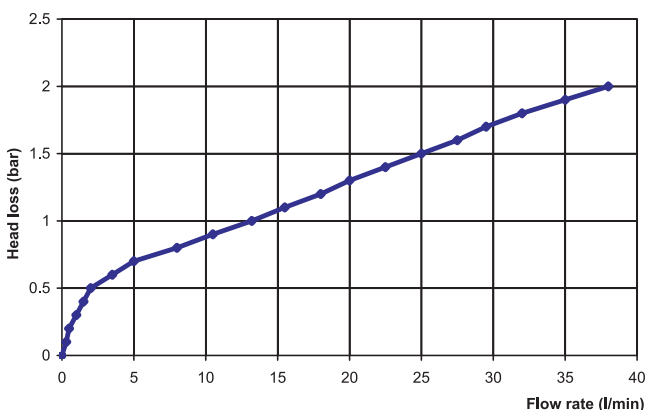
M/F free nut 3/4" (20x27).

Double threaded Male 3/4" and Female 1/2" at inlet and outlet.



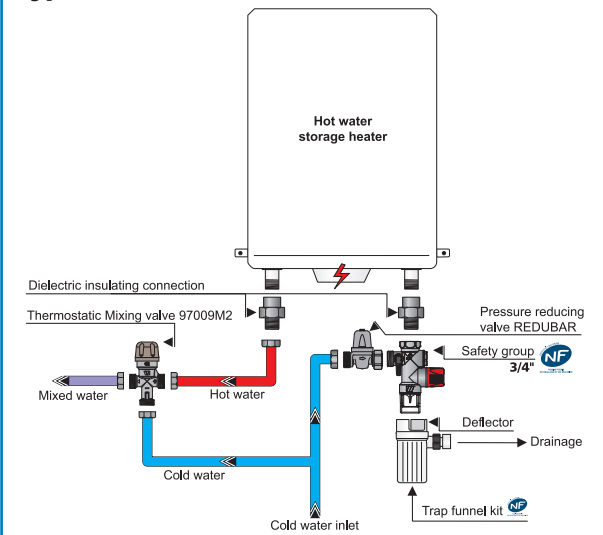
**Special for safety group**

### Pressure drop curve / headloss:



Under the following conditions : 8 bar inlet  
3 bar outlet

### Typical installation:



## Product range Watts Industries

- System disconnectors
- Backflow protection devices
- Check valves
- Safety groups
- Safety relief valves
- Pressure reducing valves
- Automatic control valves
- Butterfly valves
- Shut off valves
- Measuring gauges
- Temperature control
- Expansion vessels
- Process switches
- Fuel products
- Gas products
- Electronic controls
- Installation protection products
- Radiator valves
- System products
- Manifolds and fittings



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