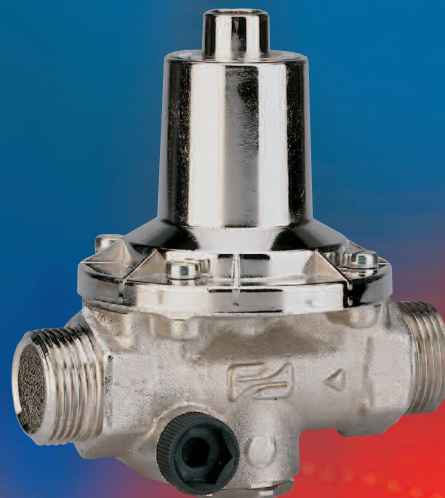


# Pressure reducing valves **REDUPRESS**



- Pressure reducing valve with cloth diaphragm and piston.
- REDUPRESS is an ideal pressure reducing valve for buildings and household appliances without special limitations : individual water supply, industry, building sites (flats, house...).
- Low pressure models are available for very low pressure installation : Irrigation, breedings, laboratories...

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

A Division of Watts Water Technologies Inc.



**Applications:**

REDUPRESS is an ideal pressure reducing valve for domestic, commercial or industrial water systems without special requirements : individual supply for economic building sites (flats, houses...).

**Approvals:**

Wras (UK), ACS (F).

**Advantages:**

- **Compact**  
The special design makes REDUPRESS easy to fit.
- **Ready to install**  
Factory preset at 3 bar, you can change the setting from 1,5 to 5,5 bar, (except low pressure models 0,5 to 2,5 bar. Preset at 1,5 bar).
- **Any position**  
The REDUPRESS can be fitted in any position.
- **Robust**  
Once fitted you can forget it. The REDUPRESS does not require any special maintenance.
- **A proven reliability**  
On the market since more 20 years, REDUPRESS is manufactured in France in our factory unit ISO 9001 certified by BVQI.
- **Silent**  
The valve system design and types of seals used ensure operation with no vibration and no banging about.
- **Specific flow rate**  
Its flow is suitable for isolated appliances, such as washing machine or hot water storage heater, it contributes to a better functioning of the thermostatic mixing valves, and a controlled water consumption.
- **Practical**  
Its 2 Female 1/4" pressure gauges outlet are located on each sides and not under the valve.

**Technical specifications:**

Pressure reducing valve with cloth diaphragm and piston, adjustable from 1,5 to 5,5 bar for standard models and from 0,5 to 2,5 bar for low pressure models. The calibration adjustment is reliable and precise thanks to the screw on the top of the cover.

Flow : 70 L/min. (standard models) and 25 L/min. (low pressure models).

Body is in non-dezincifiable brass (DZR), nickel plated finish.

Diaphragm in EPDM.

Maximum temperature : 80°C.

2 Female 1/4" pressure gauges outlet on each sides.  
Upstream maximum pressure : 16 bar.  
Factory pre-adjusting: 3 bar (except low pressure models pre-adjusting 1,5 bar).

SPECIAL LOW PRESSURE MODELS\*:  
Adjustable: from 0,5 to 2,5 bar.  
Upstream maximum pressure: 8 bar.  
Flow: 25 L/min. at 0,5 bar.  
Factory pre-adjusting: 1,5 bar.

REDUPRESS is an ideal pressure reducing valve for domestic, commercial or industrial water systems: individual supply for economic building sites (flats, houses...).

Ø and connections	type of pressure	part no.	packaging
F/F 1/2"	standard pressure	81100	20
	low pressure	81106	10
F/F 3/4"	standard pressure	81116	20
	low pressure	81113	10
M/M 3/4"	standard pressure	81015	16
F/F 1/2" with pressure gauge	standard pressure	81101	16
F/F 3/4" with pressure gauge	standard pressure	81117	16
Pressure gauge (0 to 10 bar)		66206	1

### Areas of use:

- REDUPRESS is an ideal pressure reducing valve for domestic, commercial or industrial water systems without special requirements : individual supply for economic building sites (flats, houses...).
- Low pressure models are special for any installation at low pressure requirement: irrigation, farms, laboratories...

### Materials:

description	material
Body	brass DZR - CB752S
Cover	ZAMAC
Finish	nickel plated
Spring	steel classe C1
Screws and screw setting	stainless steel
Piston	brass CW614N
Diaphragm	EPDM

### Recommendations / Installation:

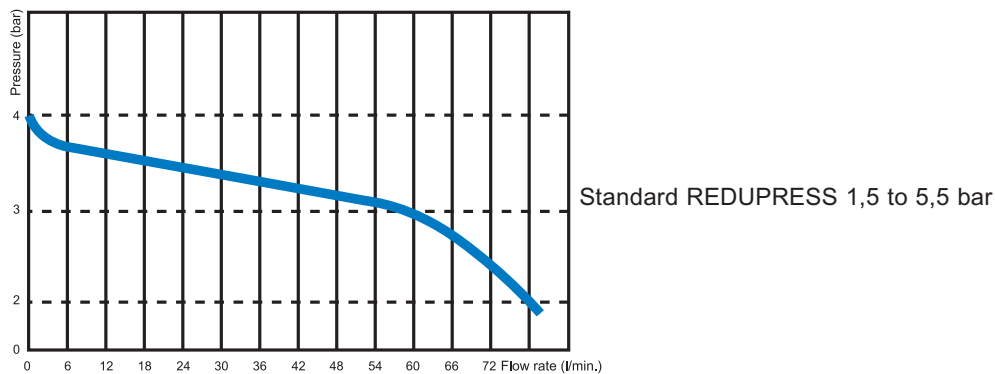
- Before fitting Redupress, rinse the upstream pipes carefully to remove oakum, teflon, weld spatter, grit etc.
- Fit the REDUPRESS to the inlet of the water circuit that you want to protect.
- Install shut-off valves inlet and outlet of the REDUPRESS.
- The setting can be adjusted between 1,5 and 5,5 bar (except low pressure models 0,5 to 2,5 bar).  
Screw or unscrew the setting screw on the top of the REDUPRESS with a screwdriver to raise or lower this setting. After opening then closing a valve on the downstream circuit, check the pressure on the pressure gauge. Reset the valve if needed. Turn the setting screw clockwise to increase the pressure, and anticlockwise to decrease it.
- You do not have to comply with any special position.
- The REDUPRESS technical specifications do not change whichever operating plan is used.
- The plug socket opposite the head can be dismantled for purge or drain.

### Maintenance:

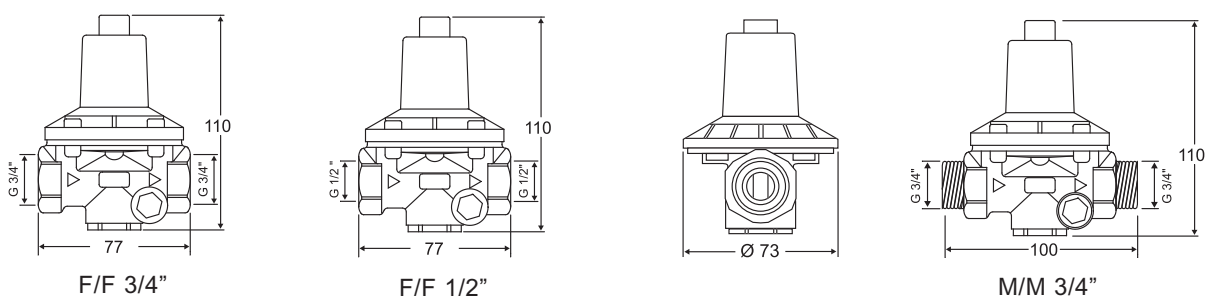
The REDUPRESS requires no special maintenance ; nonetheless we recommend that it is fitted in an accessible place.

We do not recommend installing at the ground or in a inspection hole that increase the risk of frost and complicated installation, adjustment and maintenance operations.

### Pressure drop curve / headloss:



### Dimensions:



### 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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