



# PRESSURE RELIEF VALVE

15MM - 50MM

**All Valve**  
INDUSTRIES



***PROTECTS BOILERS AND CLOSED LOOP SYSTEMS***

## FUNCTION AND FEATURES

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- Bronze body, brass bonnet and stainless spring
  - Optional pressure test certificate
  - Various springs ranges available
  - Spindle cap to prevent fluid leaking from bonnet
  - Easily adjustable with minimal tools required
  - Quality Italian made product
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## PRODUCT DETAILS

The purpose of the pressure relief valve is to open automatically at a pre-set pressure to prevent equipment failure and for the safety of personnel. They are also fitted downstream of pressure reducing valves as a backup safety measure.

For effective operation, the relief valve should be set at least 10 percent above the normal working pressure. If the set pressure is too close to the working pressure, the valve will relieve unnecessarily when any fluctuations in line pressure occur.

### PERFORMANCE

FLUID	Water, Steam, Gas
WORKING TEMPERATURE	-10 to 180°C
MAX WORKING PRESSURE	1,600kPa
K	0.05
CALIBRATING OVERPRESSURE	10% of pressure set point

## INSTALLATION NOTES

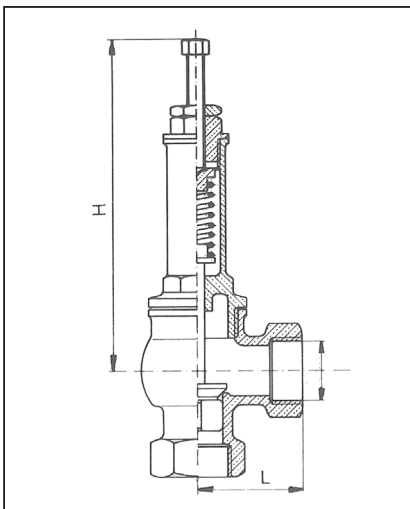
- These valves must be installed in a vertical position.
- It is important to remove foreign debris or impurities from the fluid which could damage or obstruct the correct operation of the valve.
- An arrow indicating direction of flow is denoted on the body.
- The drain pipe should be properly supported to avoid undue torque on the body.
- It is preferable for the drain pipe to be inclined downwards to direct fluids away from the valve to avoid backflow and a change in setting pressure.
- Maintenance is not expected.

## CALIBRATION CERTIFICATE

Valve setting is available as an optional extra. A NATA approved engineering company is used to set and seal the valve, and provide a calibration certificate. Please ask us for more information.

The image shows a detailed calibration certificate form. It includes sections for 'TECHNICAL INFORMATION', 'CALIBRATION AND ADJUSTMENT', and 'TEST RESULTS'. The test results section contains a table with columns for 'INITIAL CALIBRATION', 'RECALIBRATION', and 'FINAL CALIBRATION', with sub-columns for 'Set Point', 'Actual', and 'Error'. Below the table are sections for 'COMMENTS', 'CALIBRATION CONDITIONS', 'USED STANDARDS', and 'MAINTENANCE TYPE AND FAILURE CODE'. At the bottom, there are three graphs showing 'SAFETY VALUE - Final Calibration' over time.

## DIAGRAM



SIZE	CODE	L	H	WEIGHT
15MM	082E03	35	100	0.39
20MM	082E04	42	125	0.63
25MM	082E05	46	135	1.00
32MM	082E06	55	155	1.45
40MM	082E07	67	170	2.1
50MM	082E08	74	185	3.25



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