

# Relaxed under pressure

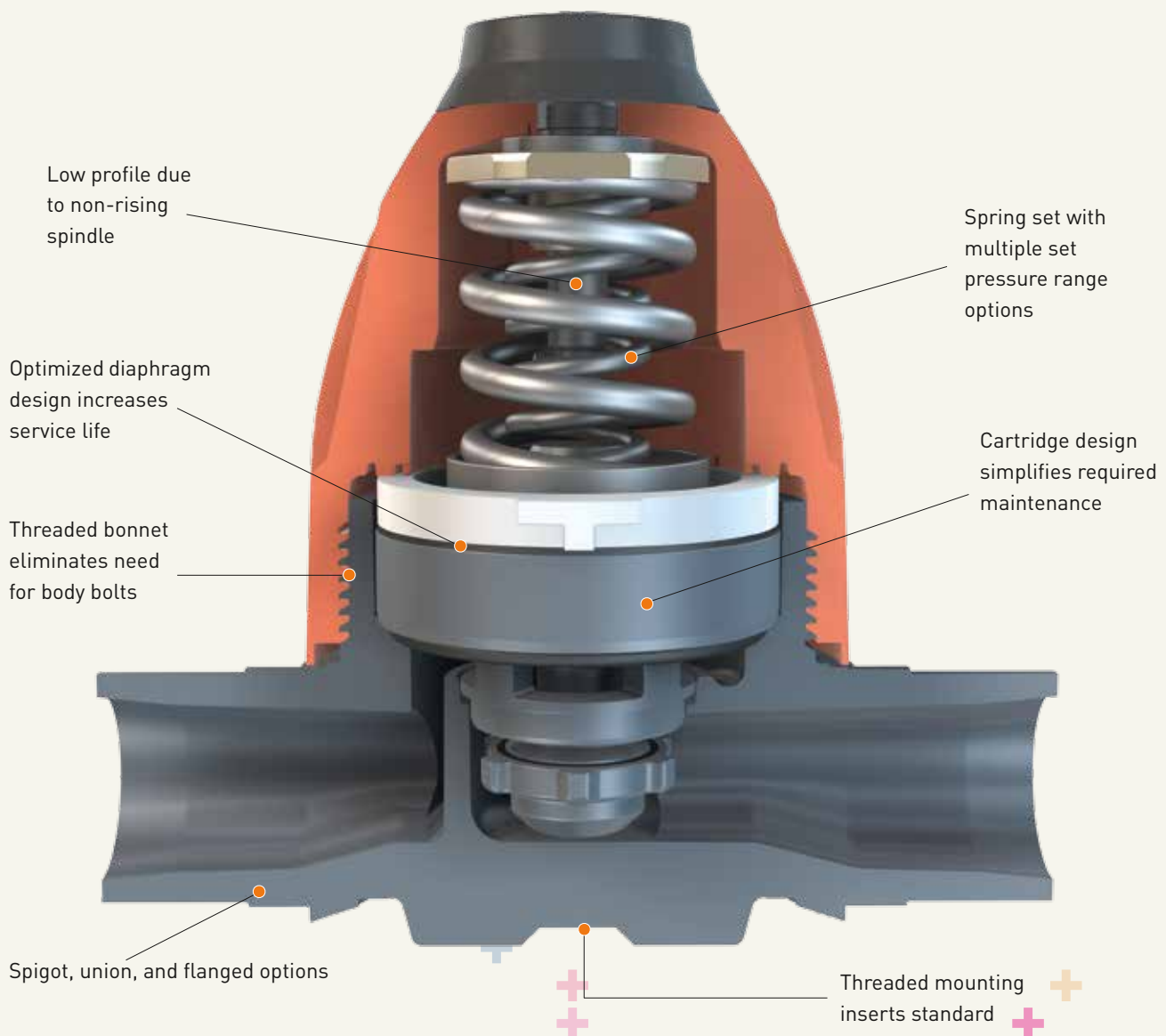
Pressure Reducing Valve Type 582  
Pressure Retaining Valve Type 586



# Rethinking what a PRV can be

Introducing our pressure regulating valves with a completely re-engineered design. The new valve is compact - without restricting performance in any way. It is easy to install and operate - the set screw controls a non-rising spindle for even flow control. Our PRV is flexible due to its modular design, allowing part interchange between multiple sizes of valves and components.

## + Strong on details



# It's your choice

GF pressure regulating valves are engineered for precise control in your application. Our retaining and reducing valves offer superior performance with minimal space requirements. The modular design provides configuration flexibility and the easily replaceable cartridges facilitate maintenance and reduce required spare part inventory.

## + Modular Design

Protective cap



Housing



Optional pressure gauge

Spring



Pressure reducing cartridge



Pressure retaining cartridge



Union body



Spigot body



Snap elements to indicate valve type and sealing material.



Integrated fastening inserts for safer valve fastening.



# You want to control your processes efficiently.

## + Maintain pressure reliably

### Benefits

#### Easy Installation

- Compact design enables installation even where space is limited
- Threaded bonnet eliminates need for body bolts
- Integrated assembling aid enables direct assembly of the valves to mounting sets
- Significantly shorter lay length with union connections

#### Easy Operation

- No re-torquing needed due to threaded bonnet design
- Easily adjusted set pressure with non-rising spindle
- Constant and low vibrating control behavior
- Tightness resistant to temperature cycling
- Low maintenance
- Adjusting set pressure possible during operation

#### Flexible

- Pressure gauge options for neutral and aggressive media
- Connection options available with true union, spigot, or flanged versions
- Low pressure spring set available (4–44 psi)
- Spare part flexibility due to modular design: one part might fit more than one valve



We developed a new pressure regulating valve that contributes to the energy and cost efficiency of your processes.

**Type 582:** The pressure reducing valve reduces the line pressure to a set value on the valve outlet. The outlet pressure is in no direct relation to the inlet pressure. Independent of raising or falling inlet pressure, the outlet pressure stays constant.

**Type 586:** The pressure retaining valve maintains the line pressure to a set value on the valve inlet. The inlet pressure is in direct relation to the flow. Independent of pressure fluctuations, the system pressure stays largely constant.



# You want to reliably control your processes with ease.

Presenting a pressure regulating valve that is dependable and easy to handle.

## + Precisely control pressure

Dimensions	3/8"-2" (d16-d63)
Materials	PVC, CPVC, PP, PVDF
Diaphragms	PTFE/EPDM
Seals	EPDM, FPM
Connections	Unions, spigots, flanged
Pressure rating (nominal pressure)	150 psi (PN 10)
Pressure setting range	7-130 psi, 4-44 psi (0.5-9 bar, 0.3-3 bar)
Hysteresis	max. 6 psi (max. 0.5 bar)



### Benefits

- Special piston with no elastomers (patent pending)
- Stainless steel pressure gauge and gauge guard optional available for high purity media
- True union or spigot end connector options
- Tightness resistant with temperature cycles
- Pressure setting even during operation

# Produced in the clean room

Special, elastomer-free piston design  
for your high-purity applications.





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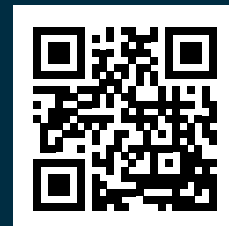
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