80 QR Series

REINFORCED NYLON CONTROL VALVES

The 80 QR Series is a pilot-operated, universal quick-relief valve, that is designed for the pressure-surge protection of pumps, filtration systems and pipelines.





Long-lasting performance

High durability

Versatility

Benefits & Features

→ Fast opening and slow, regulated closure	Prevents shuttering and secondary surges
→ Extremely accurate	Will open and close at the same pressure setting
→ Up to 10 bar	Wide operation pressure range, from as low as 0.5 bar and up to 10 bar
→ High Flow/ Low Pressure	Designed for high flow rates while maintaining extremely low pressure losses

Specifications & Recommendations

- **Maximum Pressure –** 10 bar (145psi)
- **Maximum Operating Temperature –** 60°C (140°F)

→ Hydraulic Performance

Based on Flow Rate (m^3/h)

Diameter / bar	Set Point (bar)									
	1	2	3	4	5	6	7	8	9	10
1½"	37	52	64	74	82	90	97	104	110	130
2"	46	66	80	93	104	114	123	131	139	150
3"	120	170	208	240	268	294	317	339	360	385

→ Material Specifications

#	Part	Material*
1	Body	GRP
2	Diaphragm assembly	GRP, NR, EPDM
3	Main spring	SST
4	Bonnet	GRP
5	Pilot-valve base	GRP, SST, NR
6	Control tube	PP
7	Adj. spring	SST
8	Pilot-valve bonnet	GRP

* Optional parts for special chemical resistance

