

High-Pressure Relief Valve

This high-pressure relief valve protects systems by automatically relieving excess pressure. It is constructed from 316 stainless steel for corrosion resistance and durability.



ADDITIONAL IMAGES



Overview

High-Pressure Relief Valve

Engineered for demanding industrial environments, this high-pressure relief valve features a durable 1.316 cold-work stainless steel body for superior corrosion resistance. It is suitable for both liquid and gas applications, offering flexible sealing options with both metal and soft seat configurations. Each unit is designed for safety and precision, with the ability to lock wire the cap to maintain set pressure and optional factory-setting services.

Performance

Working Temperature	-100°F to 400°F (-73°C to 204°C)
Max Pressure (Metal Seat)	60000 psig
Max Pressure (Soft Seat)	20000 psig

Technical Specs

Set Pressure psi(bar)	Orifice mm(in.)	Seat	Ordering Code
5000-10000(345-689)	3.20(0.13)	Metal Seat	RL2HF4
10000-15000(689-1034)	2.50(0.10)		RL3HF4
15000-20000(1034-1379)	2.20(0.09)		RL4HF4
20000-30000(1379-2069)	1.80(0.07)		RL5HF4
30000-45000(2069-3102)	1.50(0.06)		RL6HF4
45000-60000(3102-4137)	1.30(0.05)		RL7HF4

Standard valves with 1/4 HF connector inlet and 3/8 female NPT outlet.

Performance guide for standard 1/4 HF connector valve configurations.

Set Pressure psi(bar)	Orifice mm(in.)	Seat	Ordering Code
15000-20000(1034-1379)	4.00(0.16)	Metal Seat	RH2HF9
20000-30000(1379-2069)	3.20(0.13)		RH3HF9
30000-45000(2069-3102)	2.40(0.09)		RH4HF9
45000-60000(3102-4137)	2.00(0.08)		RH5HF9
5000-10000(345-689)	6.40(0.25)	Soft Seat	RH6HF9
10000-15000(689-1034)	4.80(0.19)		RH7HF9
15000-20000(1034-1379)	4.00(0.17)		RH8HF9

Standard valves with 9/16 HF connector inlet and 1/2 female NPT outlet.

1. HF means female high pressure connection .

2. Ordering codes listed are standard. Other sizes, materials and types are available upon request. For special requirements, please contact us.

Detailed specification matrix for 9/16 HF connection models.

Standard Connection Options

Connection Type	Inlet	Outlet
Standard A	1/4 HF	3/8 female NPT
Standard B	9/16 HF	1/2 female NPT

Available Seat Materials Metal Seat, Soft Seat

Compatible Media Liquid, Gas