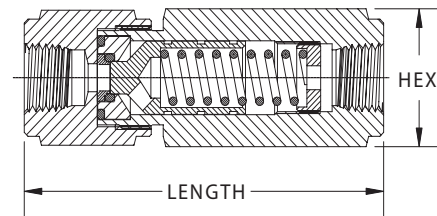


Figure 1: Inline Relief Valve

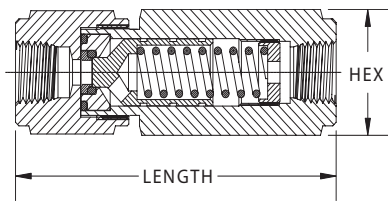
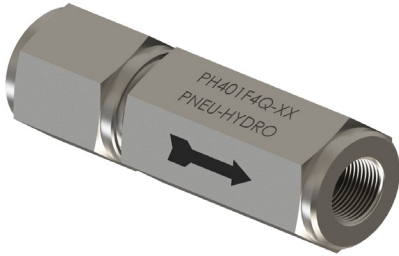


Gilmore's Pneu-Hydro Relief Valves provide reliable performance in a compact package with a wide range of available relief set points.

Utilizing an elastomeric O-ring seal on the poppet and a metallic positive stop to carry the spring pre-load, this simple design provides reliable settings, predictable performance, and prolonged service life. The standard valve is constructed of 316 stainless steel for strength and durability in the most corrosive applications.

Features & Benefits

- Wide set range from a single part number
- Precise factory set relief pressure per customer specification
- Relief pressure easily set by internal adjustment
- Tamper proof adjustment
- Smooth, chatter-free performance
- Reliable and repeatable cracking and reseating pressures
- Standard seal materials are Buna-N and Viton
- Seal material selections are available for compatibility with virtually any fluid chemistry



FUNCTIONAL DESIGN SPECIFICATION

Operating Pressure Range - Type 401	50 - 3,000 psi
Operating Pressure Range - Type 402	3,000 - 10,000 psi
Operating Temperature Range - Buna N Seals	-40° F to 250° F
Operating Temperature Range - Viton Seals	-20° F to 400° F

Part Number	Connections	Cv	Length (In)	Hex (In)	Pressure Range (psi)	Dash #
PH401F4Q- ^{1,2}	1/4" NPTF	0.6	3.0	0.94	50-250	-1
PH401F6Q- ^{1,2}	3/8" NPTF	1.3	4.25	1.38	250-600	-2
PH401F8Q- ^{1,2}	1/2" NPTF	1.3	4.61	1.38	500-1,750	-3
PH401M4Q- ^{1,2}	1/4" NPTM	0.6	3.5	0.94	1,500-3,000	-4
PH402F4Q- ²	1/4" NPTF	0.6	4.5	1.38	3,000-10,000	N/A
PH402F8Q- ²	1/2" NPTF	0.6	4.67	1.38	3,000-10,000	N/A

STANDARD REPAIR KITS

Repair Kit Part Number	For Valve Part Number	Pressure Range (psi)	Dash #	Spring Color
PH613652- ^{1,2}	PH401F6Q	50-250	-1	Lt Green
	PH401F8Q	250-600	-2	Brown
		500-1,750	-3	Brown
		1,500-3,000	-4	Uncoated
PH614114- ^{1,2}	PH401F4Q	50-250	-1	Yellow
		250-600	-2	Uncoated
	PH401M4Q	500-1,750	-3	Red
		1,500-3,000	-4	Uncoated
PH613760- ²	PH402F4Q	3,000-10,000	N/A	Uncoated
	PH402F8Q			

¹ Dash number for pressure range must be included with part number

² Buna-N standard elastomer - Include "V" with part number for Viton

