

Pressure Relief Valve

Series 8010

Features

- ▶ High flow with Zero Leak
- ▶ Extended seat life
- ▶ Factory pre-set or field adjustable
- ▶ Optional tamper-proof cap
- ▶ Stainless steel internals
- ▶ Metal-to-metal seal

Applications

- ▶ Pump system safety
- ▶ Compressor over pressure protection
- ▶ Hydraulic power units
- ▶ Tank protection
- ▶ Accumulator systems

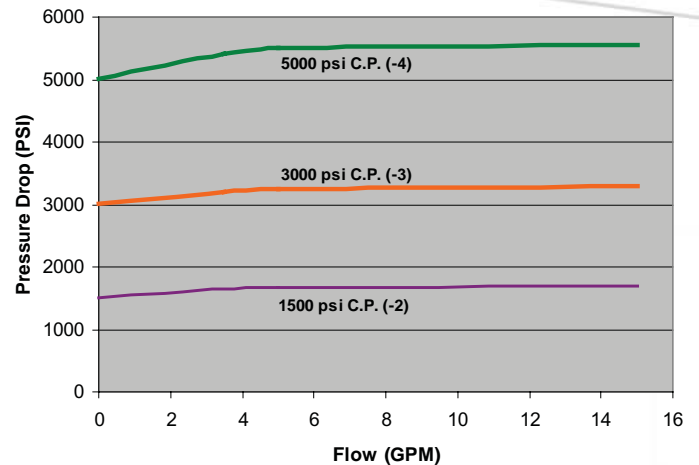


General Specifications*

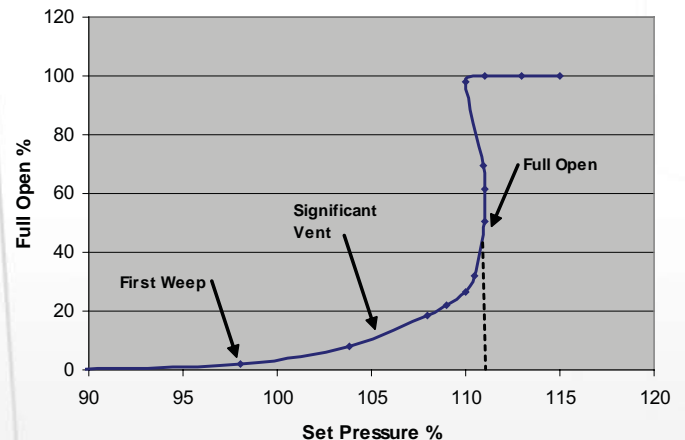
Working Pressure:	Hydraulic oil up to 5500 psi (380 bar)
Proof Pressure:	10,000 psi (690 bar)
Pressure Ranges:	200 - 500 psi (15 - 35 bar) 500 - 1500 psi (35 - 105 bar) 1500 - 3500 psi (105 - 240 bar) 3500 - 5500 psi (240 - 380 bar)
Flow Rate:	15 GPM (NOMINAL)
Wetted Material:	
Process Fitting:	Heat-treated 410 stainless steel
Internals:	416 stainless steel
Spring:	Powder-coated high strength steel
Ball:	Tungsten Carbide
Housing:	Powder-coated ductile iron
Weight:	2.5 lbs.
Pressure Connection:	3/4" NPTM x 3/4" NPTF
Temperature Range:	-40° to +200°F (-40° to +93°C)
Pressure Settings:	It is recommended that cracking pressure be set 10% above working pressure.
Pressure Setpoint Adjustment:	Loosen hex nut with open-end wrench. Using allen key turn adjustment screw clockwise to increase, counterclockwise to decrease set point.

* See product configurator for additional options.

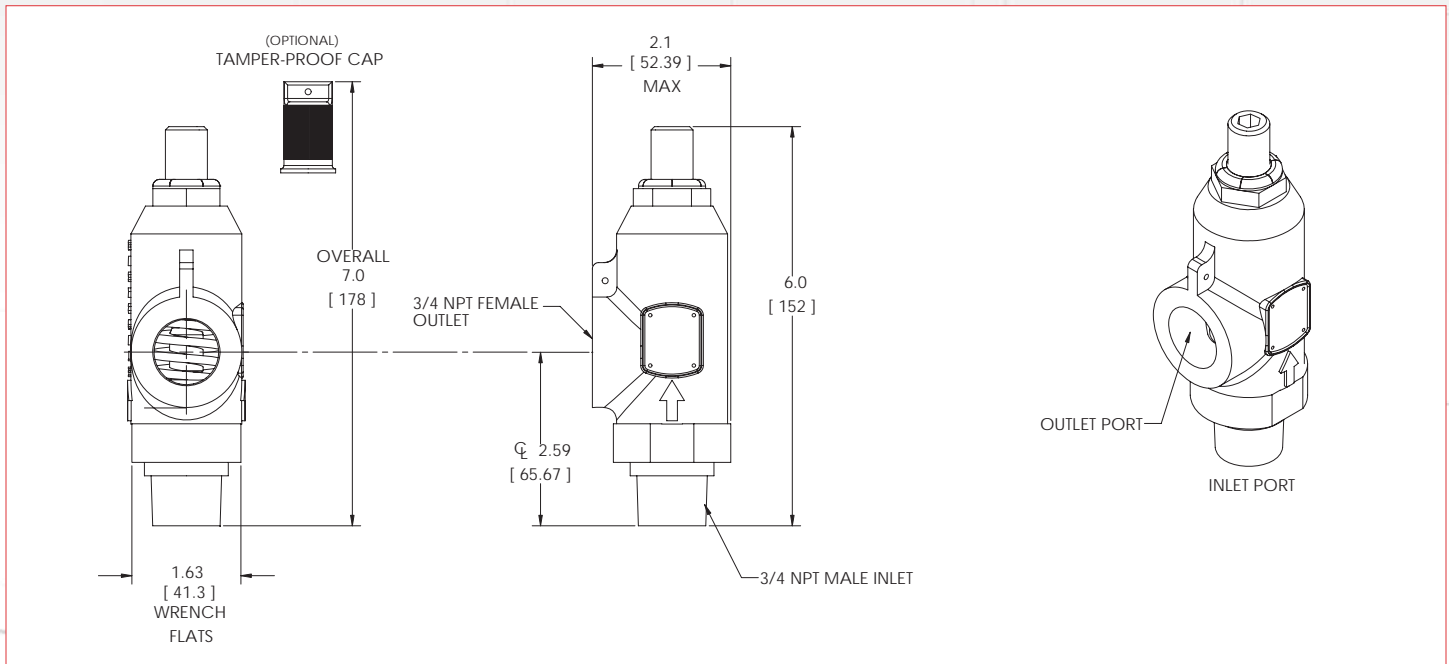
Flow Rate at 10% above Cracking Pressure



Typical 8014 Lift Characteristics



Technical Drawings



Product Configurator

Example:

Prefix

Tamper-proof cap (optional)

Base Model

Inlet male - outlet Female Porting

Port Size

3/4" NPT ports

Pressure Range

	Adjustable Range		Approx. Blowdown	Proof Pressure
	psi (bar)			
	Min.	Max.	psi (bar)	psi (bar)
-1	200 (15)	500 (35)	50 (4)	10,000 (690)
-2	500 (35)	1500 (105)	200 (15)	10,000 (690)
-3	1500 (105)	3500 (240)	400 (28)	10,000 (690)
-4	3500 (240)	5500 (380)	600 (42)	10,000 (690)

Housing Option

<input type="text" value="Blank"/>	Corrosion Resistant Ductile Iron (standard)
<input type="text" value="SS"/>	Stainless Steel

Factory Set Point

<input type="text" value="Blank"/>	Field Adjustable
<input type="text" value="-XX"/>	Insert desired set point in 00's (ex. 3300 psi = -33 700 psi = -07)