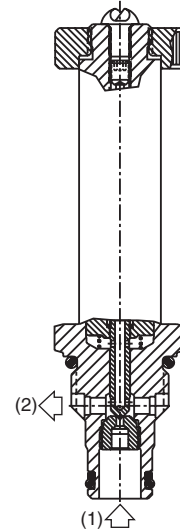
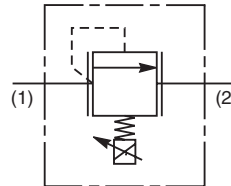


### General Description

Proportional Relief Valve. Decreasing Pressure With Increasing Current. For additional information see Technical Tips on pages PV1-PV5.

### Features

- Analog Proportional Relief Valve regulates pressure proportionally to the input solenoid current
- Direct acting poppet design
- One piece cartridge housing ensures internal concentricity
- Coil: Waterproof, hermetically sealed, requires no O'Rings; Symmetrical coil can be reversed without affecting performance.



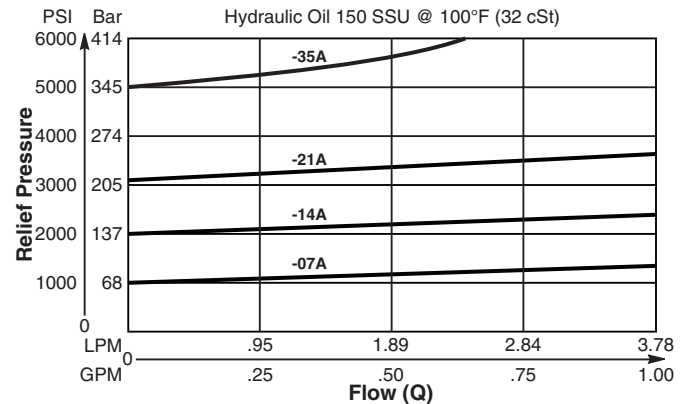
### Specifications

Rated Flow (At 70 PSI ΔP)	<b>07A</b> 5.3 LPM (1.4 GPM) <b>14A</b> 3.4 LPM (0.9 GPM) <b>21A</b> 3.0 LPM (0.8 GPM) <b>35A</b> 1.3 LPM (.35 GPM)
Factory Set Relief Pressure When De-Energized (±5% -Std. ±2% - Low Variation)	<b>07A</b> 70 Bar (1000 PSI) <b>14A</b> 140 Bar (2000 PSI) <b>21A</b> 210 Bar (3000 PSI) <b>35A</b> 350 Bar (5000 PSI)
Hysteresis @ 200 Hz PWM	< 10%
Cracking Pressure	<b>07C</b> 0.7 Bar (1 PSI) <b>14C</b> 0.14 Bar (2 PSI) <b>21C</b> 0.21 Bar (3 PSI) <b>35C</b> 0.35 Bar (5 PSI)
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-34°C to +121°C (Nitrile) (-30°F to +250°F) -26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	0.09 kg (0.19 lbs.)
Cavity	C08-2 (See BC Section for more details)

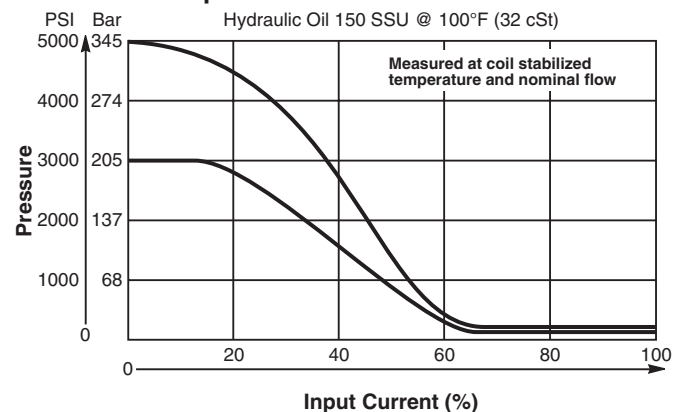
### Performance Curves

#### ▲ PWM Current Regulator Recommended

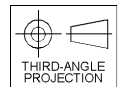
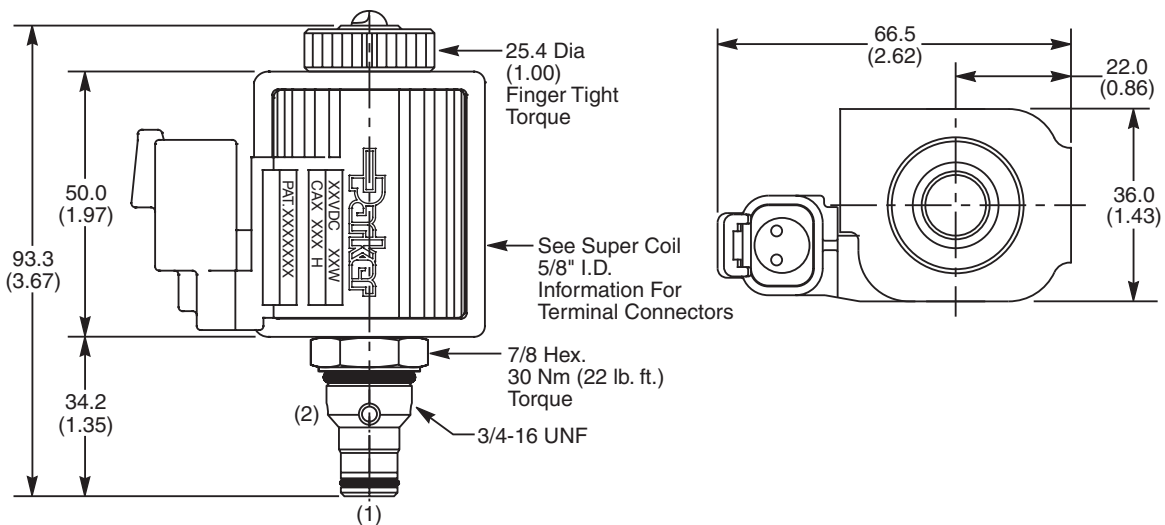
#### Relief Performance



#### Pressure vs. Input Current



**Dimensions** Millimeters (Inches)



**Ordering Information**

<b>AP02B2YR</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
08 Size Proportional Relief Valve	Style	Seals	Low Variation Now Standard

**Highlighted** represents preferred options that offer the shortest lead times. Other options may be available, but at extended lead times.

**Coil(s) sold separately.** Please see section CE of this catalog, 5/8" Super-Coil (CA series), for ordering information.

Code	Cracking Pressure
07A	70 Bar (1000 PSI)
14A	140 Bar (2000 PSI)
<b>21A</b>	<b>210 Bar (3000 PSI)</b>
<b>35A</b>	<b>350 Bar (5000 PSI)</b>

Code	Seals / Kit No.
Omit	<b>"D"-Ring / (SK08-2)</b>
N	Nitrile / Buna-N (Std.) (SK08-2)
V	Fluorocarbon / (SK08-2V)

Order Bodies Separately  
 See section BC

<b>B08</b>	<b>2</b>	<input type="checkbox"/>
08 size	2-Way Cavity	Port Size

Code	Porting / Body Material
6T	SAE-6 / Steel (5000 PSI)
A6T	SAE-6 / Aluminium (3000 PSI)

- CV**
- Check Valves
- SH**
- Shuttle Valves
- LM**
- Load/Motor Controls
- FC**
- Flow Controls
- PC**
- Pressure Controls
- LE**
- Logic Elements
- DC**
- Directional Controls
- MV**
- Manual Valves
- SV**
- Solenoid Valves
- PV**
- Proportional Valves
- CE**
- Coils & Electronics
- CB**
- Carpak Bodies
- BC**
- Bodies & Cavities
- TD**
- Technical Data