

**General Description**

Pilot Operated, Pressure Increasing with Current Proportional Pressure Reducing/ Relieving Valve. For additional information see Technical Tips on pages PV1-PV5.

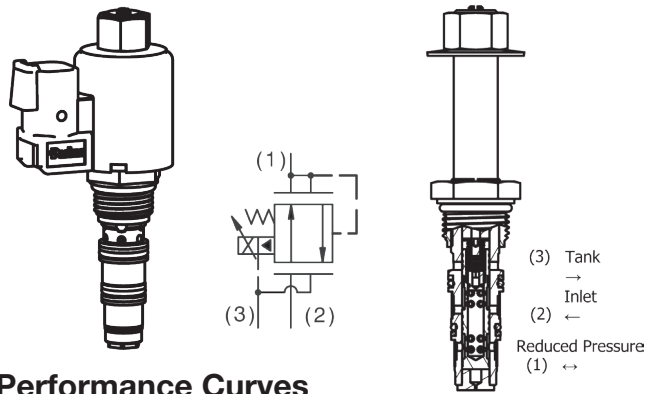


**Features**

- Low hysteresis
- High flow capacity
- 400 Hz PWM signal preferred
- No dynamic seals
- Screw style manual override standard
- Polyurethane "D"-ring eliminates the need for back-up rings

**Specifications**

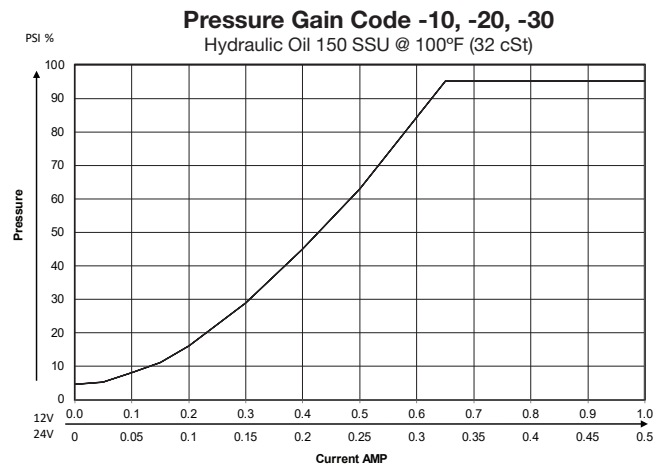
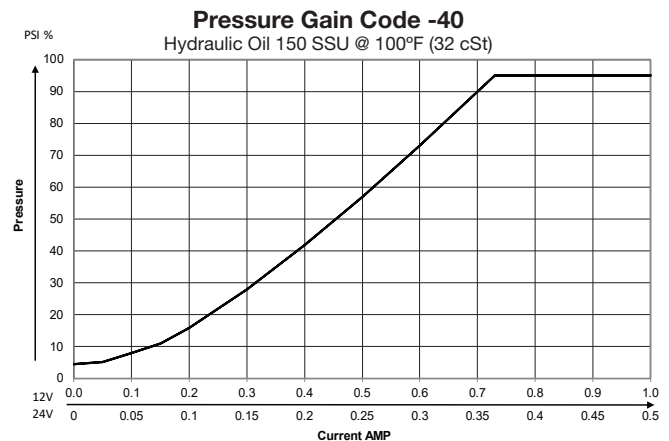
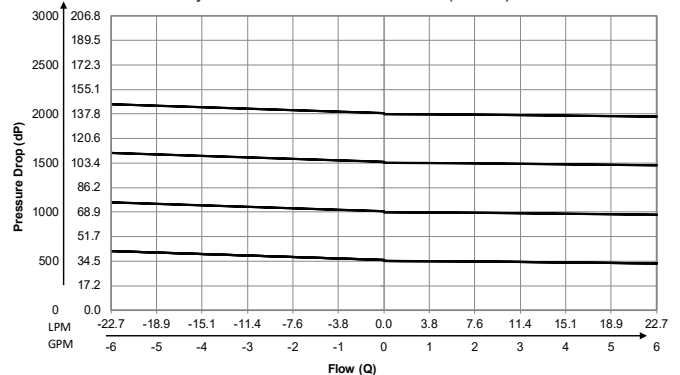
Rated Flow	22.7 LPM (6 GPM)
Max. Input Press. At Port 1	345 Bar (5000 PSI)
Max. Internal Leakage De-energised	230 cc/min (14 in <sup>3</sup> /min)
Hysteresis @ 400 Hz PWM	4% with 30% to 50% duty cycle
Power Consumption	8.4 Watts at max. reduced pressure
Frequency	200-600 Hz (PWM)
Continuous Duty Control Current	12VDC .730A    24VDC .365A
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-37°C to +97°C ("D"-Ring) (-35°F to +200°F) -34°C to +121°C (Nitrile Buna-N) (-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	0.25 kg (0.55 lbs.) With coil
Cavity	C08-3L (See BC Section for more details)



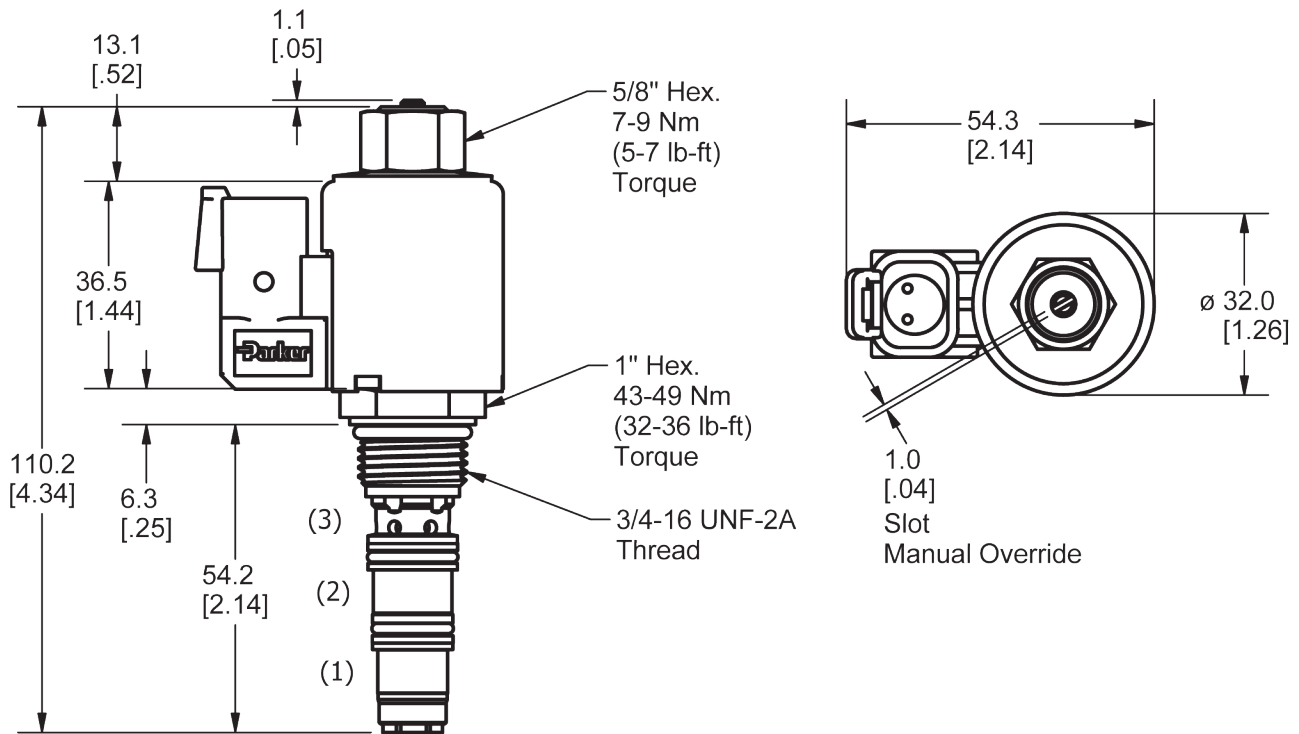
**Performance Curves**

**Current Regulator PWM Recommended**

**Regulated Pressure vs. Flow (Through Cartridge Only)**  
 Hydraulic Oil 150 SSU @ 100°F (32 cSt)



**Dimensions** Millimeters (Inches)



NOTE: Requires C08-3L Cavity

**Ordering Information**



**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, 1/2" Coil Short Proportional (SW7L series), for ordering information.

Code	Style
R	Pilot operated increasing "rising" pressure

Code	Pressure Range (Output)
10	68.9 Bar (1000 PSI)
20	138 Bar (2000 PSI)
30	207 Bar (3000 PSI)
40	276 Bar (4000 PSI)

Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-3)
N	Nitrile / Buna-N (Std.) (SK08-3)
V	Fluorocarbon / (SK08-3V)

Order Bodies Separately  
 See section BC



Code	Porting / Body Material
8T	SAE-8 / Steel (5000 PSI)
A8T	SAE-8 / 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 Cartrak Bodies
- BC Bodies & Cavities
- TD Technical Data