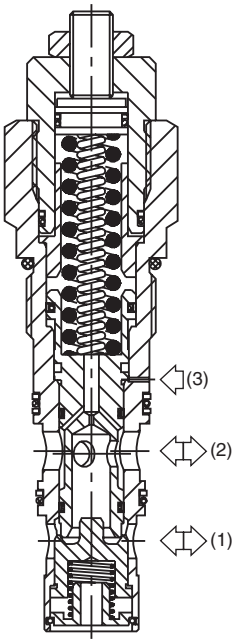
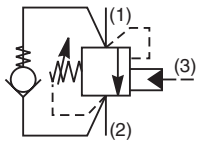
General Description

Threaded Cartridge Style Counterbalance Valve. Pilot assisted, designed for motion control applications
For additional information see Technical Tips on pages LM2-LM5.







Features

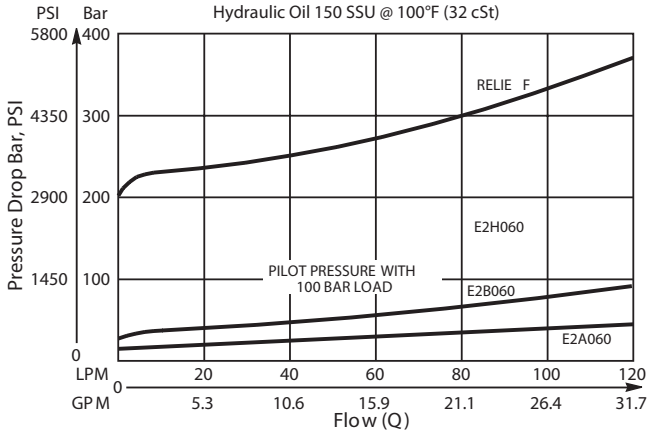
- Poppet construction for minimal leakage
- Incorporates direct acting relief valve for overload protection
- Includes reverse check valve within body, saving space and minimizing installation cost
- Excellent control and very good stability
- Three pilot ratios available, 1.75:1 and 3:1 for cylinders and 8:1 for motor control
- Hardened working parts for maximum durability
- All external parts zinc plated

Specifications

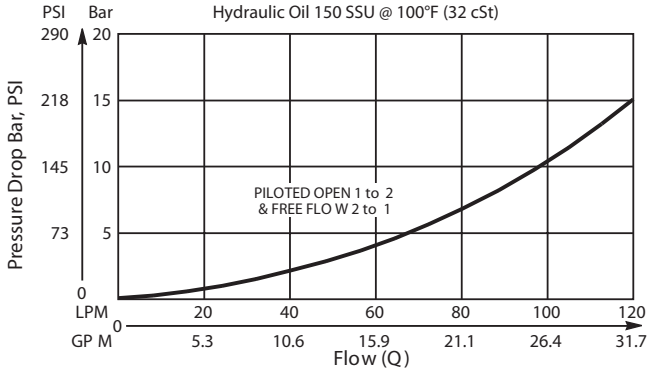
Rated Flow	120 LPM (32 GPM)
Pressure	50 - 350 Bar (725 - 5000 PSI)
Sensitivity: Pressure / Turn	44 Bar (640 PSI)
Pilot Ratio	**E2A060** - 8 : 1 **E2B060** - 3 : 1 **E2H060** - 1.75 : 1
Cartridge Material	All parts steel. All operating parts hardened steel.
Operating Temp. Range/Seals	-34°C to +121°C (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	0.54 kg (1.19 lbs.)
Cavity	3C (See BC Section for more details)

Performance Curves

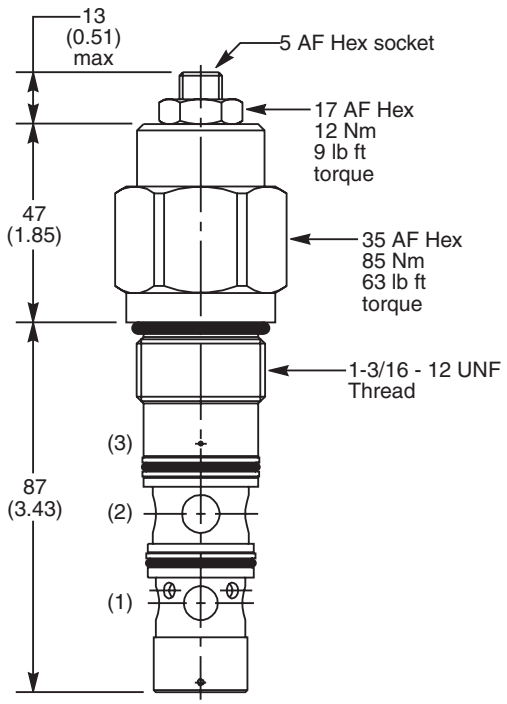
Relief & Pilot Performance 1 to 2



Pressure Drop vs Fl ow



Dimensions Millimeters (Inches)



Ordering Information

E2		060	Z	N	MK2
Load Control Valve	Pilot Ratio		Adjustment Style	Seals	

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

Code	Pilot Ratio
A	8 : 1
B	3 : 1
H	1.75 : 1

Code	Adjustment Style
Z	Screw Adjust (Standard)

Code	Seals
N	Nitrile

Order Bodies Separately
See section BC

LB10	069	S
Line Body	Porting	Body Material

Code	Porting
069	1″ SAE (main) 1/4″ SAE (aux)

Code	Body Material
S	Steel /(5000PSI)

Kit	Part Number
Tamper Resistant Cap	TC1130
Nitrile Seal	SK30008N-1
Fluorocarbon Seal	SK30008V-1

Standard valve is set to crack at 215 Bar (3120 PSI). Valve to be set to 1.3 times maximum load induced pressure.

Parker Hannifin Corporation
HVS and MSDE Divisions