

Materials

Cartridge:

Weight: 0.13 kg. (0.28 lbs.)
Steel with hardened work surfaces.
Zinc-plated exposed surfaces.
Buna N O-rings and polyester elastomer back-ups standard.

Standard Ported Body:

Weight: 0.27 kg. (0.60 lbs.)
Anodized highstrength 6061 T6 aluminum alloy, rated to 207 bar (3000 psi). Ductile iron bodies available; dimensions may differ.

EHPR Series Coil:

Weight: 0.32 kg. (0.7 lbs.)
Unitized thermoplastic encapsulated.

PV08-30

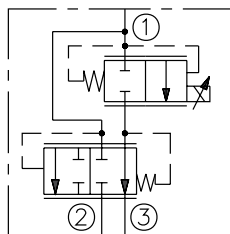
Proportional Flow Control Cartridge, Normally Closed 207 BAR Rated

A solenoid-operated, electrically-variable, three-port, pressure-compensated, spooltype, normally closed when de-energized, proportional flow control valve. It can be used as a priority-type flow regulator with pressure-compensated, regulated and bypass flow. It can also be used as a restrictive-type 2-way, pressure-compensated flow regulator when the bypass line (port ②) is blocked.

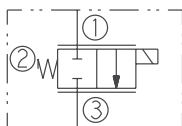
Voltage	Hydraforce code	Article no.	Price £	Price €
CARTRIDGE FLOW VERSION A				
24V DC	PV08-30A-0-N-24DG	PV0830AC24	£184.70	€221.70
CARTRIDGE FLOW VERSION B				
24V DC	PV08-30B-0-N-24DG	PV0830BC24	£184.70	€221.70
INLINE WITH BODY 3/8" BSP FLOW VERSION A				
24V DC	PV08-30A-3B-N-24DG	PV0830A3B24	£219.00	€262.80
INLINE WITH BODY 3/8" BSP FLOW VERSION B				
24V DC	PV08-30B-3B-N-24DG	PV0830B3B24	£219.00	€262.80
with nitril seals				
WITH 'G' DIN CONNECTOR PLUG				

Symbols

USASI/ISO:



2-Ported:

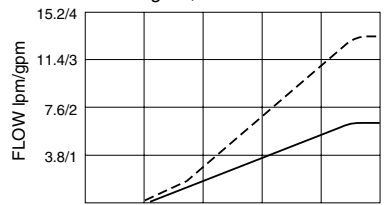


Performance

Nominal Flow vs. Current

207 bar/3000 psi; 12V Coil; 200 Hz PWM
32 cSt/150 ssu oil at 40°C

----- Range A, 2-Ported or 3-Ported
----- Range B, 2-Ported or 3-Ported



PERCENT OF MAX. CONTROL CURRENT

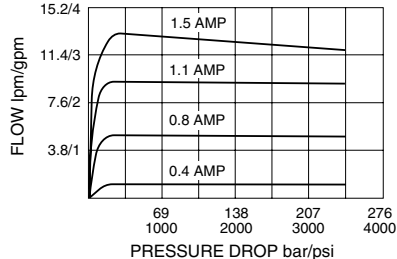
Regulated Flow vs. Pressure Drop

2-Ported; Flow **Range A**

240 bar/3500 psi Inlet

12V Coil; 200 Hz PWM

32 cSt/150 ssu oil at 40°C



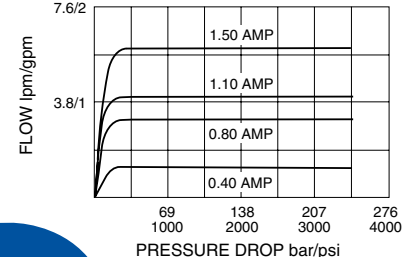
Regulated Flow vs. Pressure Drop

2-Ported; Flow **Range B**

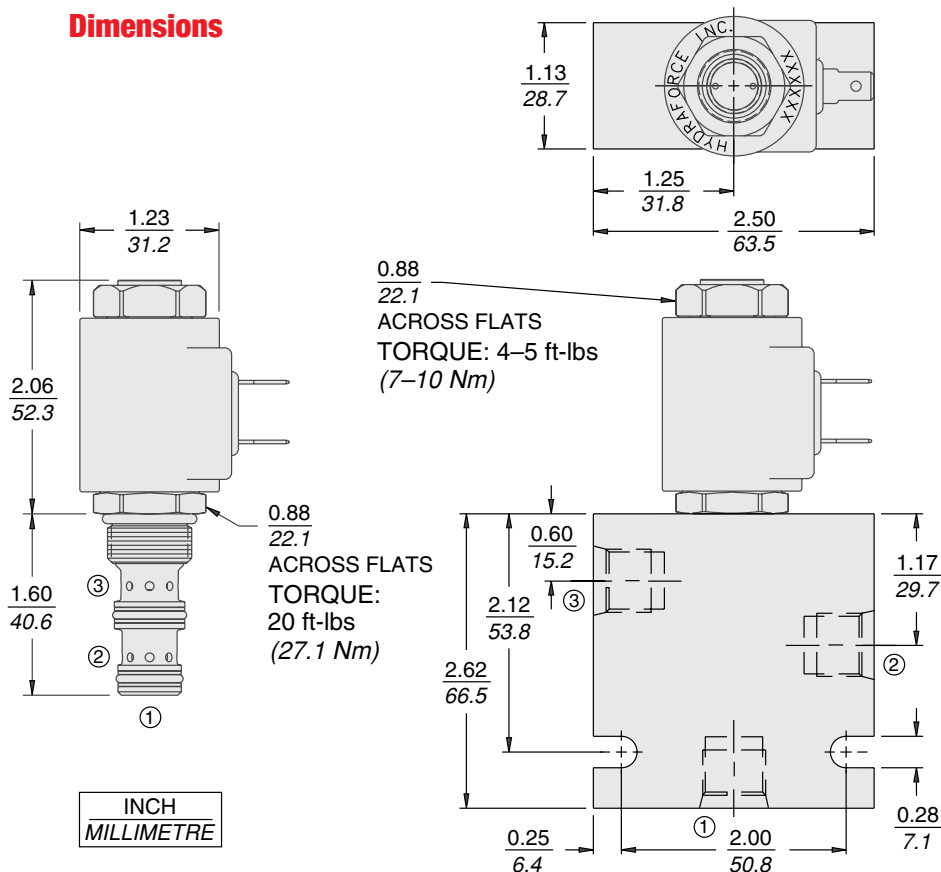
240 bar/3500 psi Inlet

12V Coil; 200 Hz PWM

32 cSt/150 ssu oil at 40°C



Dimensions



INCH
MILLIMETRE