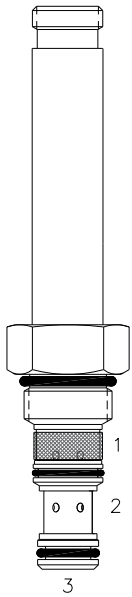


EMC-PRV 3 WAY 2 POSITION, PROPORTIONAL PRESSURE REDUCING/RELIEVING VALVE



DESCRIPTION

7 size, 5/8-18 thread, "Mini" series, solenoid operated, 3 way 2 position, proportional pressure reducing/relieving valve.

OPERATION

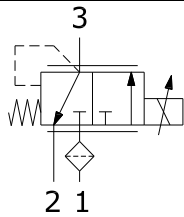
When de-energized the EMC-PRV allows flow from (3) to (2) and blocks flow at (1).

When energized, the actuator creates a force proportional to the pressure that will be regulated at port (3). Oil is supplied from port (1) to (3) until desired pressure is reached. If pressure at port (3) exceeds desired level, excess oil is vented to port (2) until desired level is reached.

FEATURES

- Efficient wet-armature construction.
- Cartridges are voltage interchangeable.
- Industry common cavity.
- Unitized, molded coil design.
- Continuous duty rated solenoid.
- Optional coil voltages and terminations.

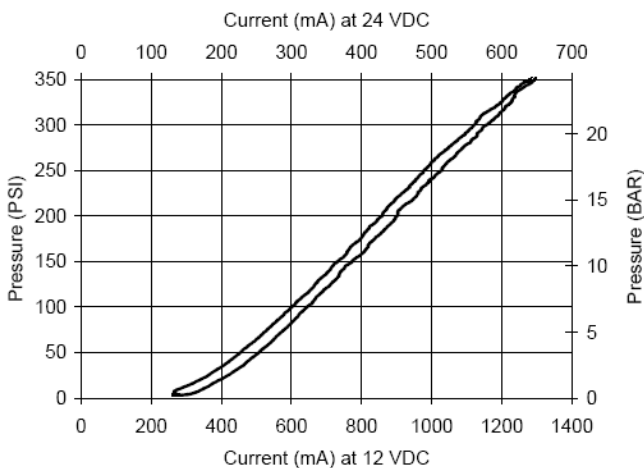
HYDRAULIC SYMBOL



Other configurations for other pressure ranges available.

PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

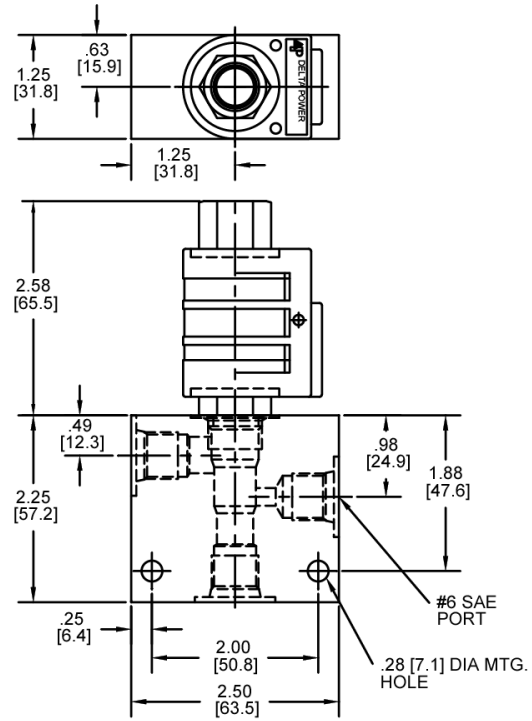
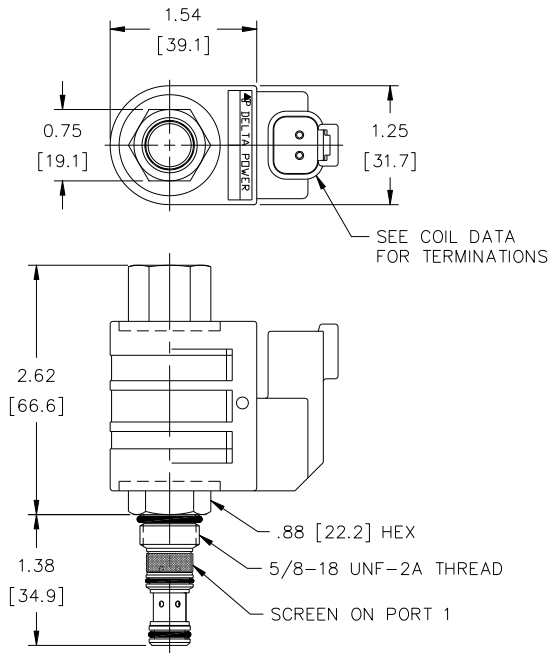
| | |
|-----------------------------------|---------------------------------|
| Nominal Flow | 2 GPM (8 LPM) |
| Max Operating Pressure | 725 PSI (50 BAR) |
| Max Differential Pressure | 300 PSI (21 BAR) |
| Typical Hysteresis | 5% |
| Viscosity Range | 36 to 3000 SSU (3 to 647 cSt) |
| Filtration | ISO 18/16/13 |
| Media Operating Temperature Range | -40° to 250° F (-40° to 120° C) |
| Weight | 0.18 lbs. (0.08 kg) |
| Operating Fluid Media | General Purpose Hydraulic Fluid |
| Cartridge Torque Requirements | 15 ft-lbs (20.3 Nm) |
| Coil Nut Torque Requirements | 3-5 ft-lbs (4.1-6.8 Nm) |
| Cavity | MINI 3W |
| Cavity Form Tool (Finishing) | 40500004 |
| Seal Kit | 21191010 |

ABOVE CURVE IS WITH HYDRAULIC OIL 150 SSU AT 100° F

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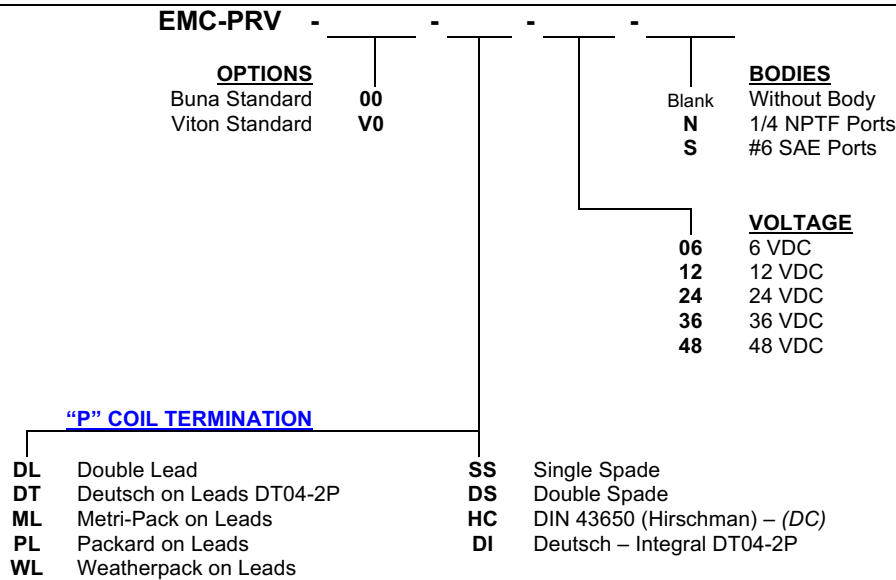
WARNING: the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.

DIMENSIONS



BODY WEIGHT: .59 lbs.

ORDERING INFORMATION



Approximate Coil Weight: .42 lbs. (.19 kg.)

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