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"For All Your Hydraulic Needs"

CONTINENTAL



HYDRAULICS

## P03MSV-RP

PILOT OPERATED  
PRESSURE RELIEF VALVE

**MODULAR VERSION**  
**NFPA D03 ISO 4401-03**

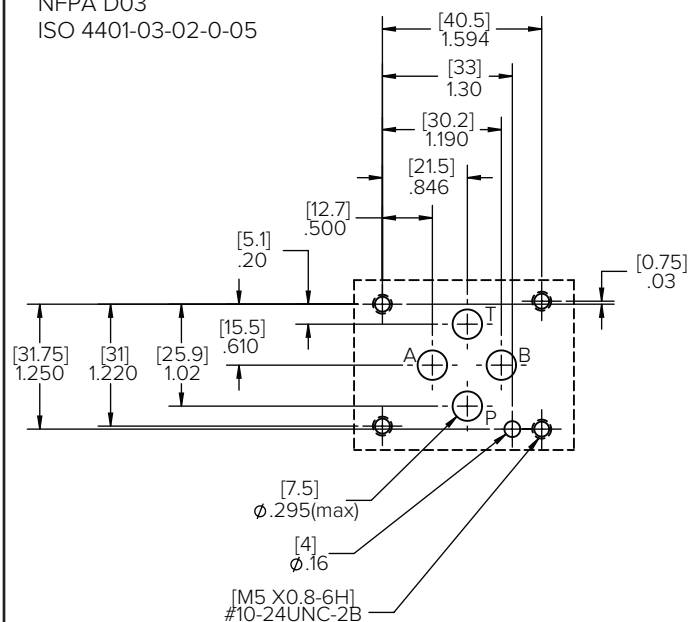
**P** max **5000 PSI** **350 bar**  
**Q** max **20 GPM** **75 l/min**

### MOUNTING INTERFACE

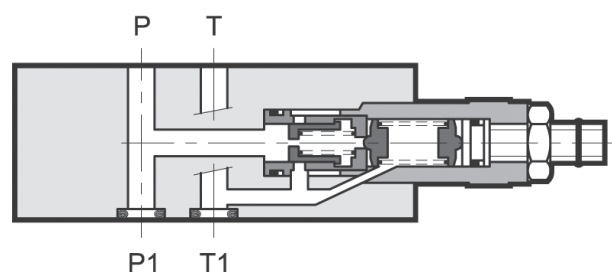
DIMENSIONS: INCHES [mm]

NFPA D03

ISO 4401-03-02-0-05



### OPERATING PRINCIPLE



- The P03MSV-RP valve is a pilot operated modular pressure relief valve with mounting surface according to NFPA D03/ISO 4401-03 standards.
- Typically, it mounts sandwiched between a directional control valve and a subplate/manifold and functions as a hydraulic circuit pressure limiting device.
- It can be assembled in a stack with additional modular valves using suitable tie rods or bolts.
- It is supplied with a hex socket head adjustment screw and locknut. The maximum travel of the adjustment screw is limited.

### PERFORMANCES (measured with mineral oil of viscosity 36cSt at 120°F [50°C])

Maximum operating pressure	PSI [bar]	5000 [350]
Minimum controlled pressure	PSI [bar]	72 [5]
Maximum flow rate in controlled lines and in the free lines	GPM [l/min]	20 [75]
Ambient temperature range	°F [°C]	-4 to 140 [-20 to +60]
Fluid temperature range	°F [°C]	-4 to 176 [-20 to +80]
Fluid viscosity range	cSt	10 - 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass: P03MSV-RP	lbs [kg]	3.1 [1,4]

### HYDRAULIC SYMBOLS

#### P03MSV-RP

