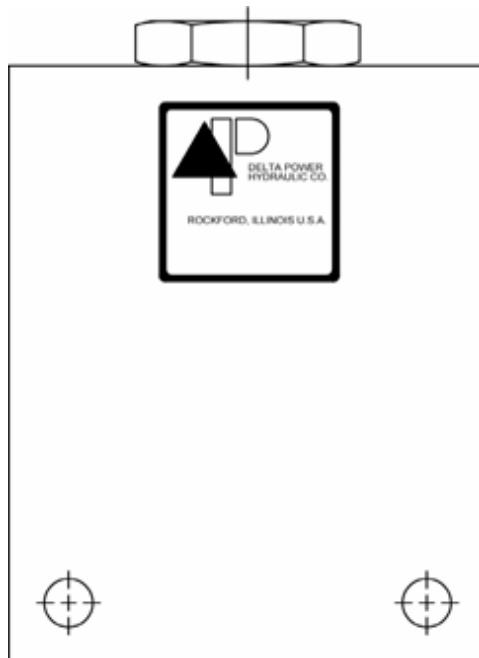
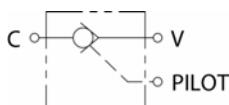


SINGLE, P.O. CHECK VALVES (PRE-ENGINEERED BLOCKS)



SERIES SINGLE PILOT OPERATED CHECK VALVE

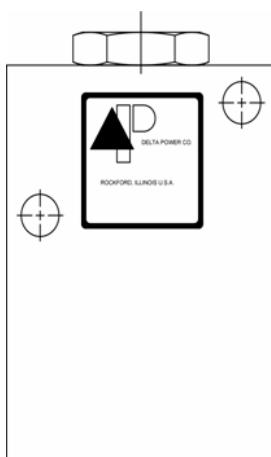
SERIES SINGLE PILOT OPERATED CHECK VALVE

	GPM	PSI	LPM	BAR	CAVITY	MODEL
	5	3000	19	207	5/8-18	MS-POC
	10	3500	38	241	3/4-16	PS-POC
	15	3500	57	241	7/8-14	DS-POC
	40	3500	151	241	1 5/16-12	SS-POC

TYPICAL SCHEMATIC

Typical application for this valve is load holding when pump is off.

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MS-POC SINGLE PILOT OPERATED CHECK VALVE

DESCRIPTION

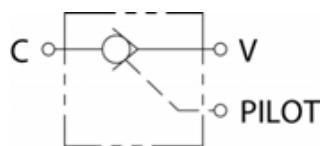
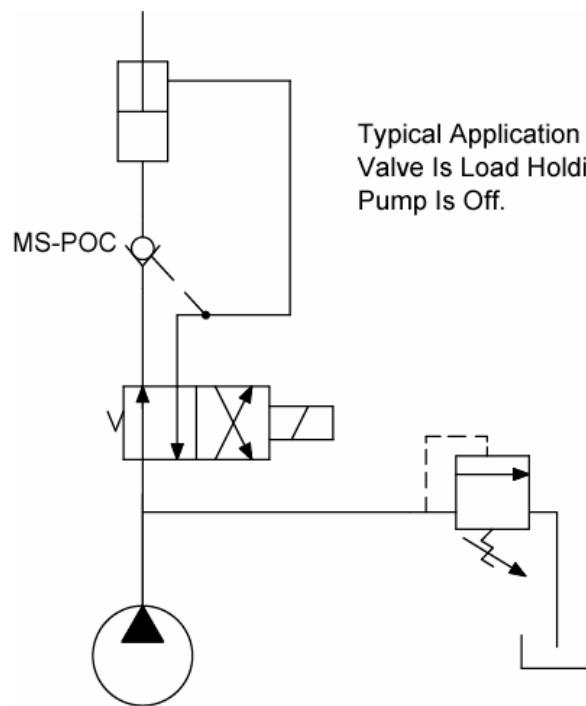
7 size, 5/8-18 thread, "Mini" series, pilot operated check valve.

OPERATION

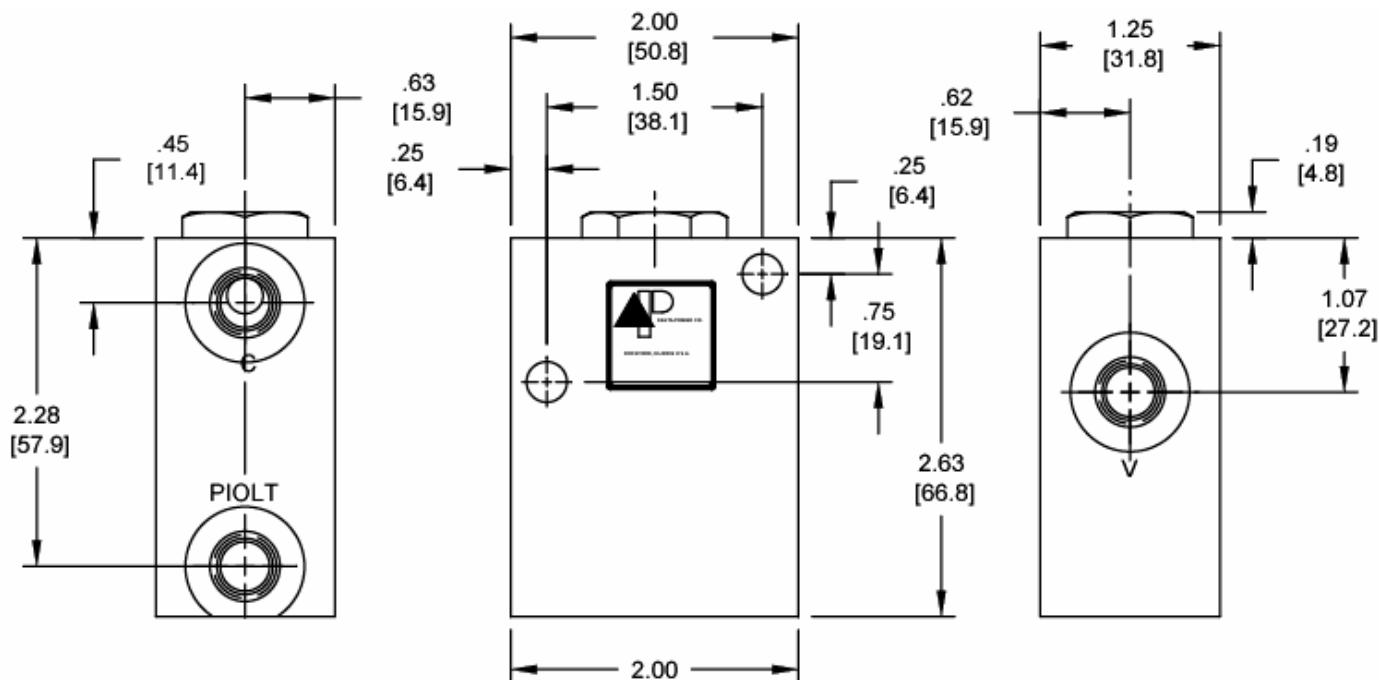
The MS-POC allows flow to pass from (V) to (C) and blocks flow from (C) to (V). When pilot pressure is applied to pilot port the valve allows flow from (C) to (V). The valve has a 6.7:1 pilot ratio, so at least .149 of the load pressure is required at the (PILOT) port to open the flow passage to allow flow from ports (C). The check is spring-biased at 50 PSI (3.4 bar) to assure holding in static or no-load conditions.

FEATURES

- Hardened internal parts for long life.
- Anodized aluminum body for corrosion protection.

HYDRAULIC SYMBOL

TYPICAL SCHEMATIC

VALVE SPECIFICATIONS

Nominal Flow	5 GPM (19 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	30 micron nominal
Pilot Ratio	6.7:1
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.7 lbs (.31 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	15 ft-lbs (20.3 Nm)
Cartridge Crack Pressure	50 PSI (3.4 bar)

DIMENSIONS


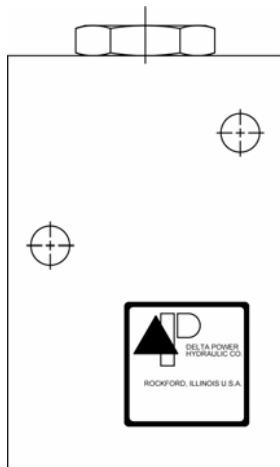
SAE PORTS SHOWN
MTG. HOLES ARE .28 DIA.
O-RINGS ARE STANDARD ON PISTON ASSEMBLY
CHECK VALVE USED IS A MA-CVA

ORDERING INFORMATION

MS-POC - - -

OPTIONS		BODIES
Buna Standard	-	1/4 NPTF Ports
Viton Standard	B	#4 SAE Ports
	V	
	N	
	S	

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PS-POC SINGLE PILOT OPERATED CHECK VALVE

DESCRIPTION

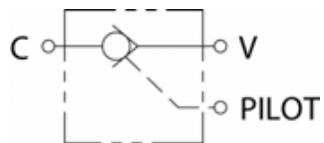
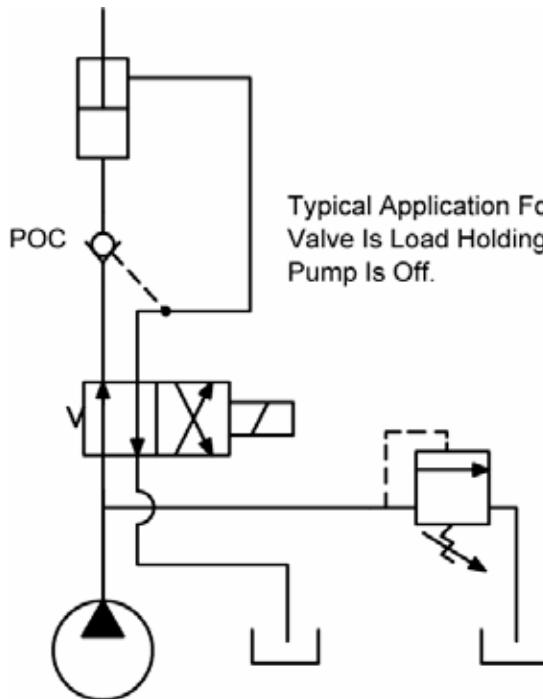
8 size, 3/4-16 thread, "Power" series, pilot operated check valve.

OPERATION

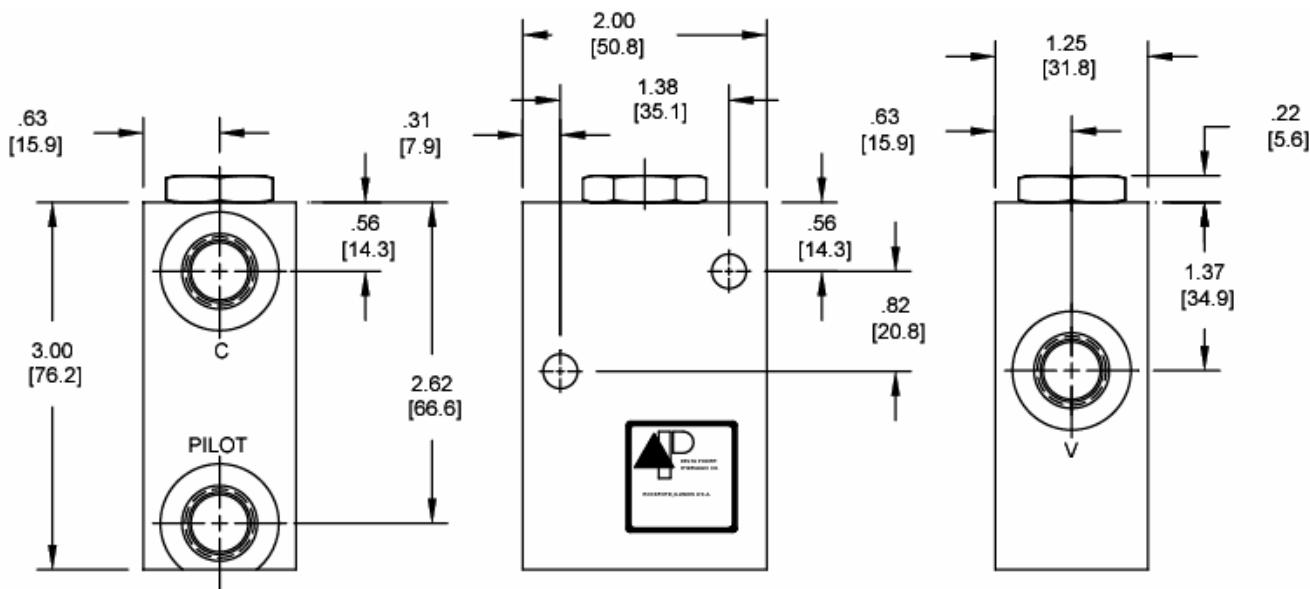
The PS-POC allows flow to pass from (V) to (C) and blocks flow from (C) to (V). When pilot pressure is applied to pilot port the valve allows flow from (C) to (V). The valve has a 4:1 pilot ratio, so at least .250 of the load pressure is required at the (PILOT) port to open the flow passage to allow flow from ports (C). The check is spring-biased at 50 PSI (3.4 bar) to assure holding in static or no-load conditions.

FEATURES

- Hardened internal parts for long life.
- Anodized aluminum body for corrosion protection.

HYDRAULIC SYMBOL

TYPICAL SCHEMATIC

VALVE SPECIFICATIONS

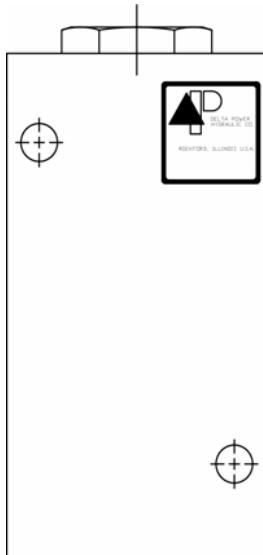
Nominal Flow	10 GPM (38 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	30 micron nominal
Pilot Ratio	4:1
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	1.0 lbs (.45 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	25 ft-lbs (34 Nm)
Cartridge Crack Pressure	50 PSI (3.4 bar)

DIMENSIONS

SAE PORTS SHOWN
MTG. HOLES ARE .28 DIA.
O-RINGS ARE STANDARD ON PISTON ASSEMBLY
CHECK VALVE USED IS A PB-CVC
ORDERING INFORMATION

PS-POC - -

OPTIONS Buna Standard B Viton Standard V	BODIES N S	1/4 NPTF Ports #6 SAE Ports
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DS-POC SINGLE PILOT OPERATED CHECK VALVE

DESCRIPTION

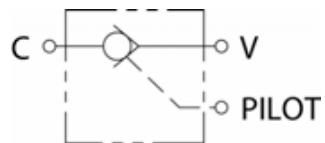
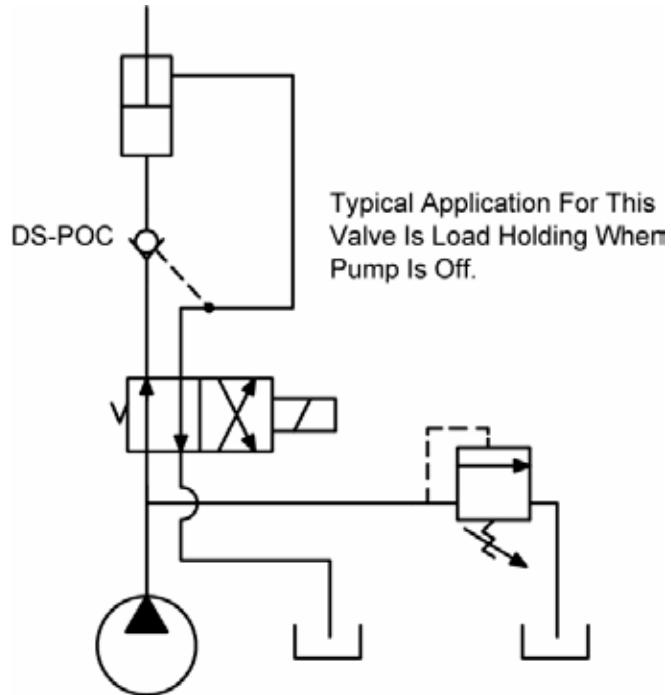
10 size, 7/8-14 thread, "Delta" series, pilot operated check valve.

OPERATION

The DS-POC allows flow to pass from (V) to (C) and blocks flow from (C) to (V). When pilot pressure is applied to pilot port the valve allows flow from (C) to (V). The valve has a 4:1 pilot ratio, so at least .250 of the load pressure is required at the (PILOT) port to open the flow passage to allow flow from ports (C). The check is spring-biased at 90 PSI (6.2 bar) to assure holding in static or no-load conditions.

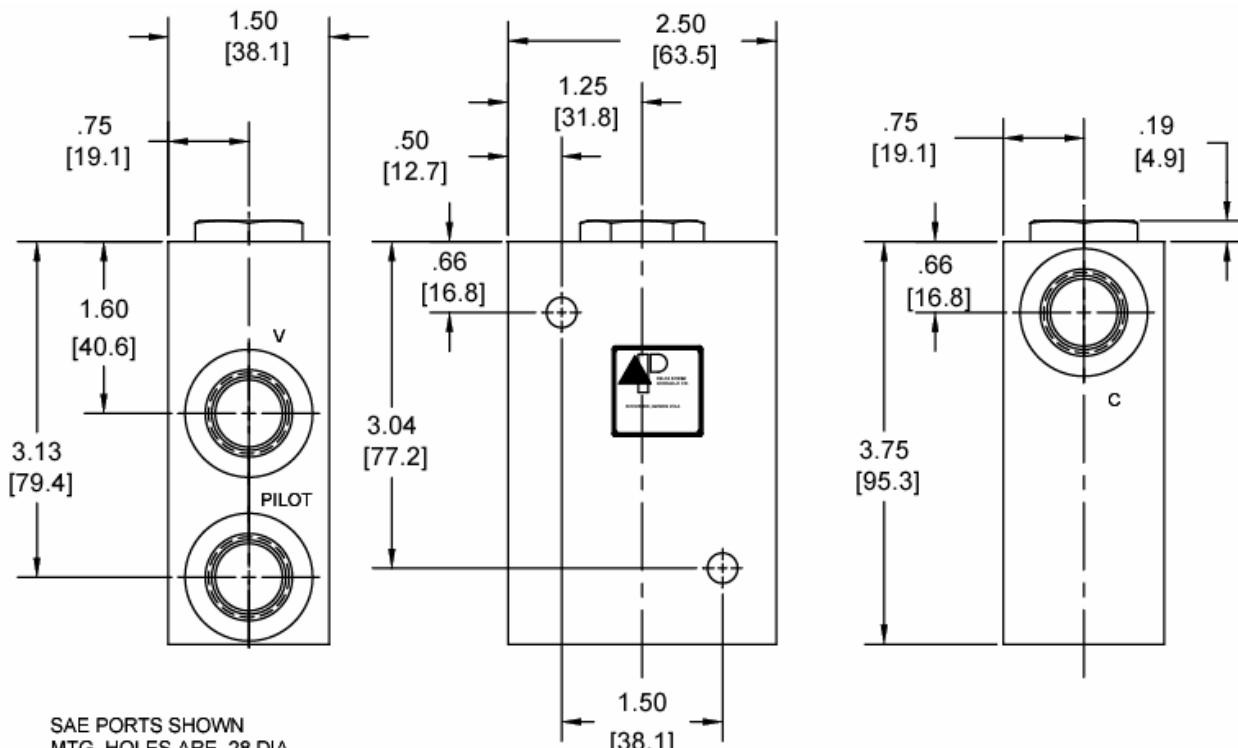
FEATURES

- Hardened internal parts for long life.
- Anodized aluminum body for corrosion protection.

HYDRAULIC SYMBOL

TYPICAL SCHEMATIC

VALVE SPECIFICATIONS

Nominal Flow	15 GPM (57 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	30 micron nominal
Pilot Ratio	4:1
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	1.1 lbs (.50 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Cartridge Crack Pressure	90 PSI (6.2 bar)

DIMENSIONS



ORDERING INFORMATION

DS-POC -

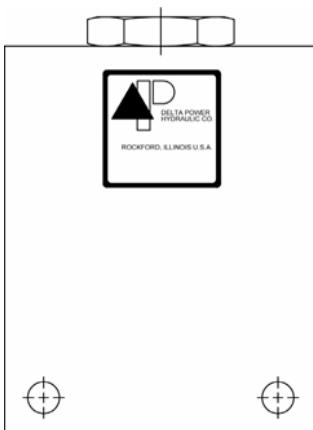
OPTIONS

- Buna Standard **B**
- Viton Standard **V**

BODIES

- 3/8 NPTF Ports
- #8 SAE Ports

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SS-POC SINGLE PILOT OPERATED CHECK VALVE

DESCRIPTION

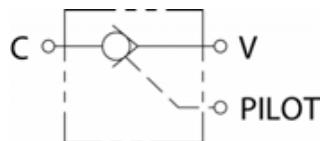
16 size, 1 5/16-12 thread, "SIXTEEN" series, pilot operated check valve.

OPERATION

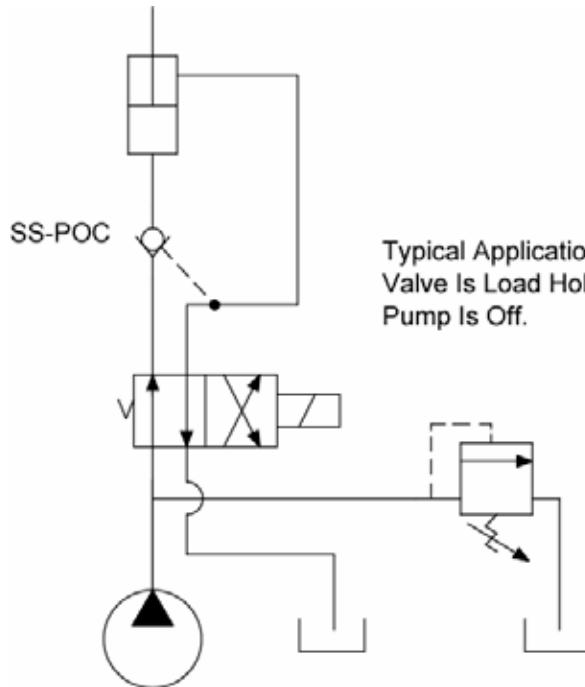
The SS-POC allows flow to pass from (V) to (C) and blocks flow from (C) to (V). When pilot pressure is applied to pilot port the valve allows flow from (C) to (V). The valve has a 3.7:1 pilot ratio, so at least .270 of the load pressure is required at the (PILOT) port to open the flow passage to allow flow from ports (C). The check is spring-biased at 50 PSI (3.4 bar) to assure holding in static or no-load conditions.

FEATURES

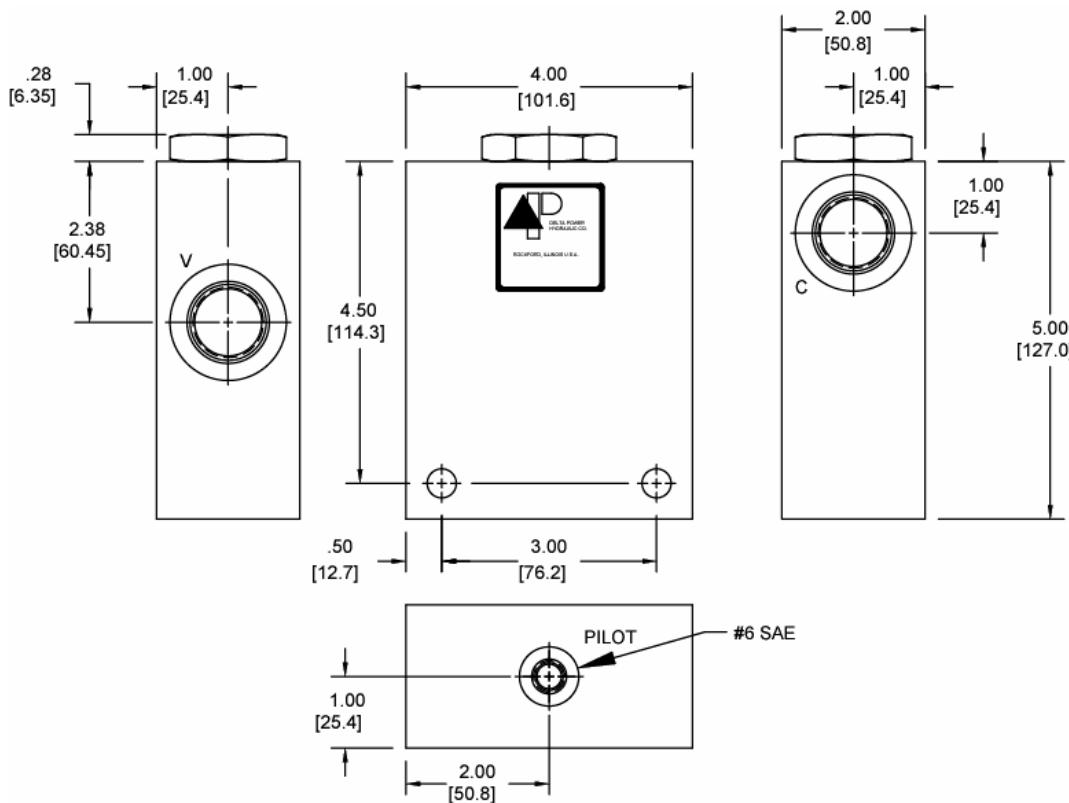
- Hardened internal parts for long life.
- Anodized aluminum body for corrosion protection.

HYDRAULIC SYMBOL

VALVE SPECIFICATIONS

Nominal Flow	40 GPM (151 LPM)
Rated Operating Pressure	3500 PSI (241 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	30 micron nominal
Pilot Ratio	3.7:1
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	4.3 lbs (2.0 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	90 ft-lbs (122 Nm)
Cartridge Crack Pressure	50 PSI (3.4 bar)

TYPICAL SCHEMATIC


DIMENSIONS



SAE PORTS SHOWN
MTG. HOLES ARE .41 DIA.
O-RINGS ARE STANDARD ON PISTON ASSEMBLY
CHECK VALVE USED IS A SJ-CVA

ORDERING INFORMATION

SS-POC -

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OPTIONS

Buna Standard **B**

Viton Standard **V**

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BODIES

S #12 SAE Ports

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