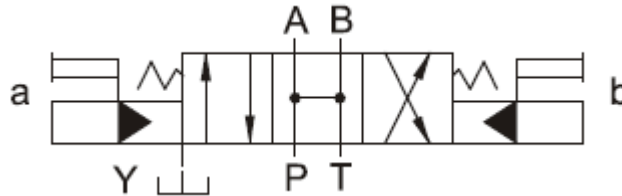


Additional Date/Spec Sheet

Cetop 8 NG25 Pilot Operated Directional Control Valve – **Base Valve Only** – All Ports Open in Neutral

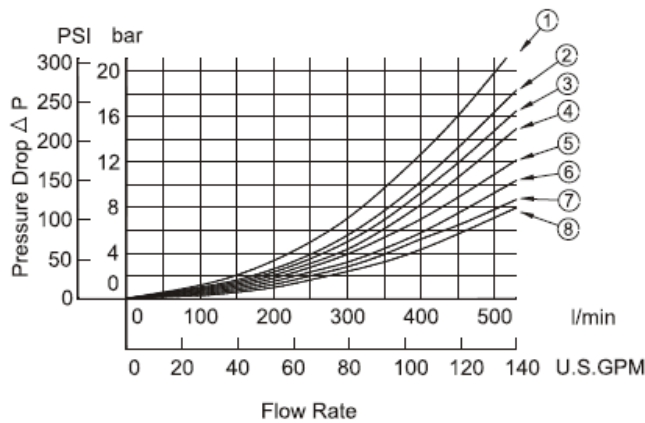
DSHG-3C3-06-30

DSG-3C4-01 to be used on top of Base Valve – Available in AC and DC



Pressure Drop

DSHG-06
DSHG-06-S



Series	Spool Type	Pressure Drop Curve Number				
		P→A	B→T	P→B	A→T	P→T
DSHG-06 DSHG-06-S	3C2	8(6)	5(1)	8(6)	7(2)	—
	3C3	6	4	6	7	6
	3C4	8(6)	5(2)	8(6)	7(2)	—
	3C40	8	5	8	7	—
	3C5	8	4	5	7	2
	3C6	5	1	5	4	3
	3C60	6(6)	5(2)	6(6)	7(3)	3(1)
	3C7	6	4	6	7	—
	3C9	6	5	6	7	—
	3C10	8	5	8	7	—
	3C11	8	4	5	7	—
	3C12	8	5	8	7	—

Graphs based on fluid viscosity of 35 cSt (162 SSU).

Notes : () curve No. is for shock-less type.

FLOW LIMITATIONS :

Pressure drop is influenced by forces acting within the valve. The graphs shown assume simultaneous equal flow rates P to A or B, and from A or B to T.

Care should be taken in applications where high flow rates are used in conjunction with high pressure. i.e. greater than 250 bar (3600PSI).

Also when single flow paths, or substantially different simultaneous flow rates are required between P to A or B, and A or B to T.

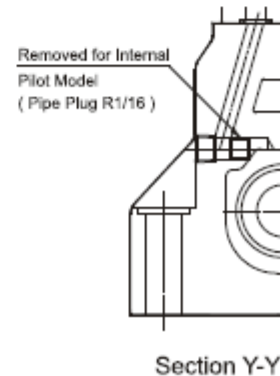
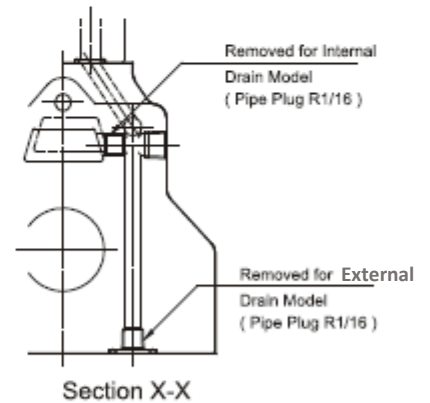
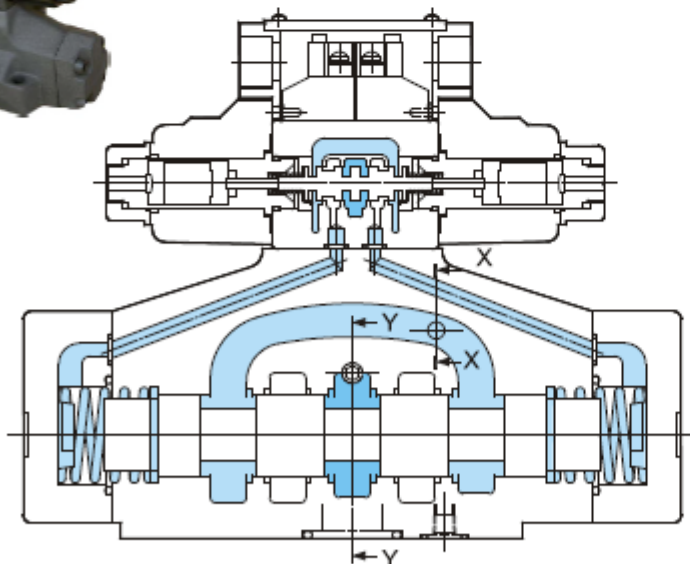
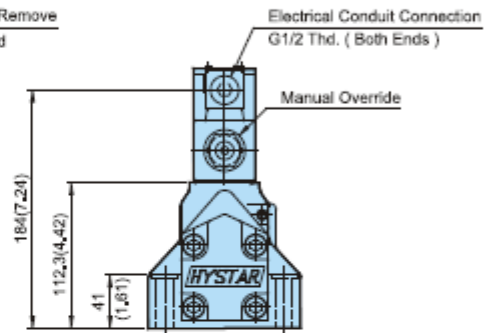
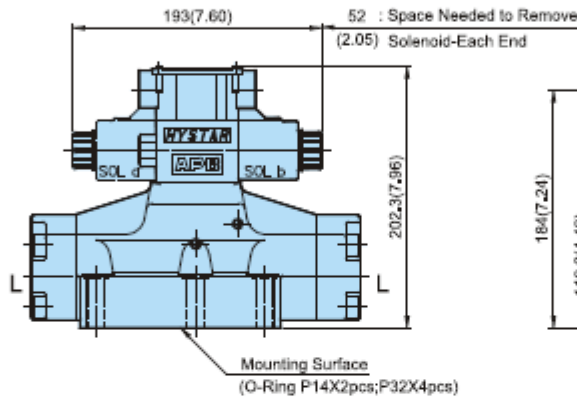
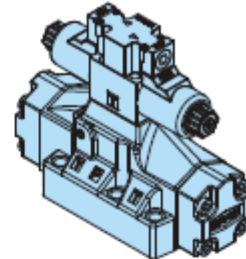
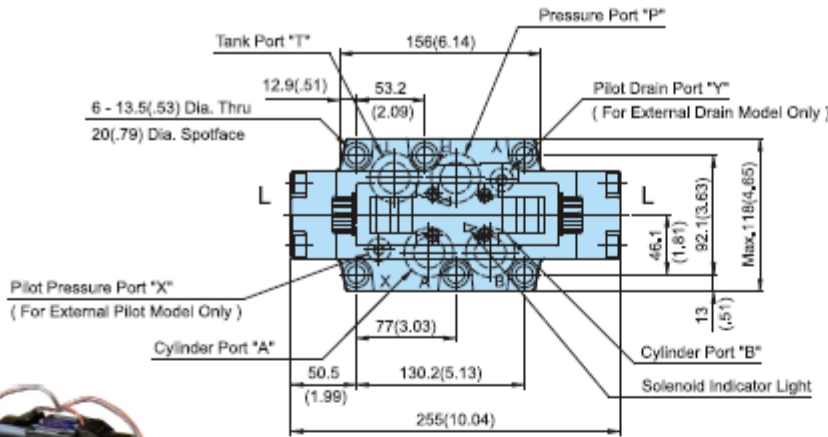
FLOW RATINGS CHART [DSHG-(N)-06]

Three Positions

Spool Type	Spring Centered			
	Graphic Symbol	Maximum Flow		
	lpm(USgpm)			
	Model Numbers	100bar (1430PSI)	205bar (2930PSI)	315bar (4500PSI)
	DSHG-06-3C3	500(132)	480(126.7)	370(97.8)

06(3/4" S)DSHG-***-06

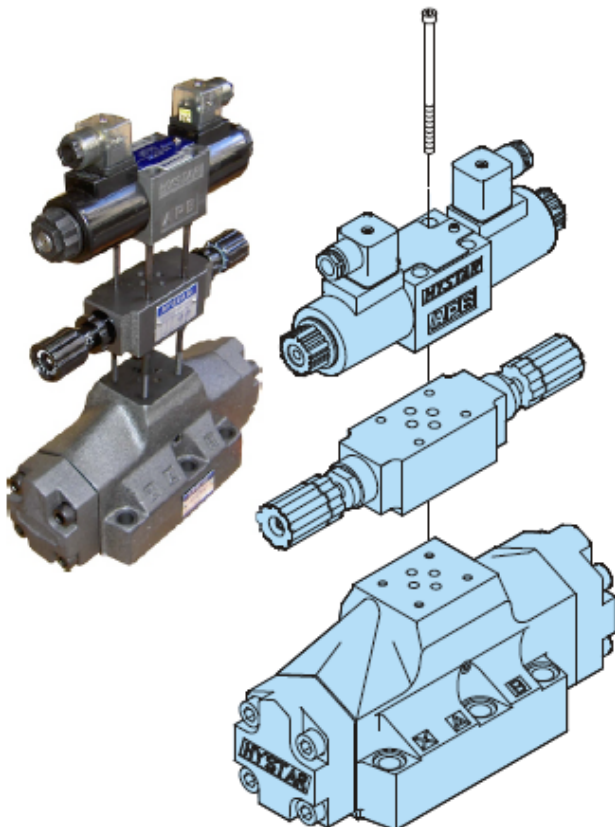
MOUNTING SURFACE-DSHG-06-CETOP8
ISO 08-NFPAD08



Attachment Name	Description	Tightening Torque	Code
Soc. Hd. Cap Screw	M12X55LgX8pcs	100-123 Nm	30
Soc. Hd. Cap Screw	1/2-13UNCX2-1/8"Lg X6pcs	868-1068 in.lbs	3090

OPTIONAL

Model	DSHG-06/10
Front Face	
Simplified Symbol	
Detailed Symbol	



PILOT CHOKE OPTIONS

To control the shift speed of the main spool, providing smoother reversals and less hydraulic shock, a pilot choke may be incorporated on a DSHG valve. Two options are offered.

OPTIONS 1 : A meter-out design adjusts the flow in one direction with free flow in the other one. This is obtained by assembling our MSW-01-* between the main stage (DSHG) and the pilot valve (DSG-01).

OPTIONS 2 : A fixed orifice of 0.8mm (0.032") is assembled in the "P" port of the pilot valve (DSG-01). See page 58 for details.



Additional Data

NG25 Valves are operated by NG6 solenoid valves on top. For double solenoid NG25 valves, use the DSG 3C4 No1 valve and for single Solenoid NG25 valve use a DSHG 3C2 or 3C3 N06 together with a DSG 2B3 No1 valve. All NG25 valves can be set up in a workshop as "internal" or "external" pilot and "internal" or "external" drain. Ask for assistance if you are not quite clear on this. It is VERY important that the correct configuration be given.!!!

NG25 Valves require a minimum of 4-8Bar, max 250Bar pilot pressure!

High Flow

DSHG-(N)-06 are capable of controlling oil flow up to 500Lpm (132gpm)

Flow rate is a little different between different spool types

High Pressure

DSHG-(N)-06 Max operating pressure up to 315Bar (4500Psi)

Totally enclosed molded coil. Specially treated pressure resistant inner tube (SUS304). High grade steel cored (C2503) coil with wet solenoid. All moving parts are immersed in operating oil and muffled to provide low noise operation.

Backpressure

DSHG-(N)-06 permissible backpressure, internal drain 160Bar (2300Psi) and 210Bar (3000Psi) for external drain.

Pipe the return back to tank below the oil level.

Body

Bodies are of high tensile cast iron with large shell cored passages. Spool bores are precision honed with accurately machined land locations.

Spools

Spools are hardened alloy steel (SCM21), precision ground and incorporate balancing grooves. All spools are interchangeable with valve body simplifying maintenance.

Assembly Installation

Spring Centered 3c* valves have no orientation limitation. The DSHG-(N)-06 mounting surface dimensions confirm to ISO 4401, Hydraulic fluid power-Four-port directional control valves-mounting surface. The installation surface should be finer than 6.3S.