Bell Hydromatics



Solonoid Controlled Pilot Operated

DSHG-06

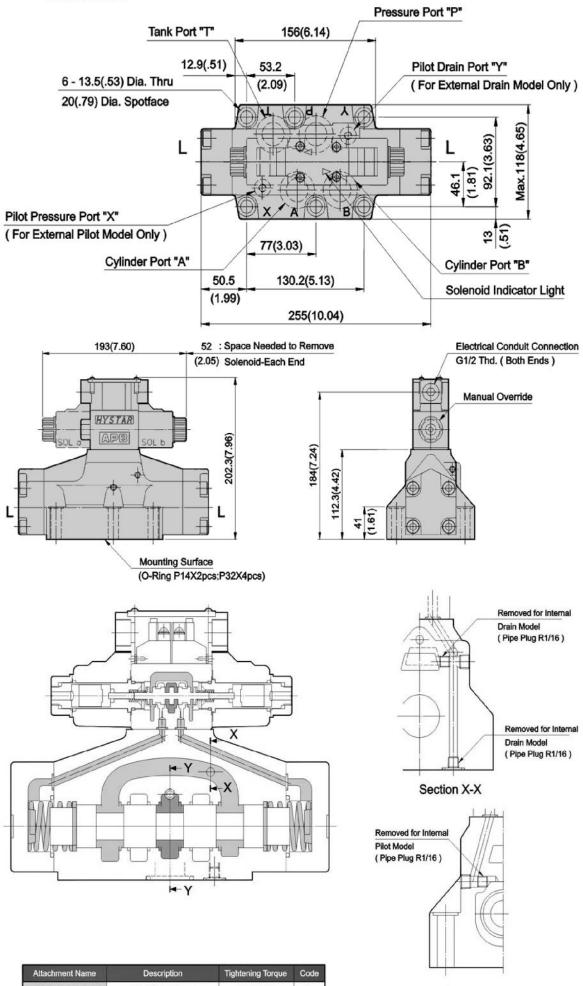


Features:

- High Flow rate upto 500 lpm (79.3 USgpm)
- Maximum Operating presuure upto 315 bar (4500 PSI)
- Long service life with average durability of 50 million spool shifts.

Spool Type & Graphic	Symbols	DSHG – 06 (3/4")			
Symbols	Model Number	Rated Flow Maximun Flor Capacity Capacity			
	DSHG-06-2B2-				
	DSHG-06-2B3-		500 lpm (132 USgpm)		
valita ≥	DSHG-06-2B4- **				
	DSHG-06-2N2- **				
	DSHG-06-3N3- **				
	DSHG-06-3C2-				
	DSHG-06-3C3-	310 lpm (82			
	DHSG-06-3C4-	USgpm)			
	DSHG-06- 3C40-**				
	DSHG-06-3C7-				
• A B C C C C C C C C C C C C C C C C C C	DSHG-06-3C9- **				
	DSHG-06- 3C10-**				
	DSHG-06- 3C11-**				
	DSHG-06- 3C12-**				
	DSHG-06-3C5-				
	DSHG-06-3C6- **	230 lpm (60.8 USgpm)	450 lpm (120 USgpm		
	DSHG-06- 3C60-**				
Max. Operating Pressure	(P.AB) (bar)	315 (4500 PSI)			
Min. Required Pilot P	ressure	8 (1	14 PSI)		
Max. Pilot Pressi		250 (3	3600 PSI)		
Max. T-Line Back Pressure (T) (bar) External Drain		210 (3	3000 PSI)		
Max. T-Line Back Pressure (T) (bar) Internal Drain		160(2300 PSI)			
Weight (Kgs)	Single Solenoid	12.2			
	Double Solenoid	12.8			
Switching Frequency (times/min)			120		
Hydraulic Fluid	s	Use Hydraulic Fluids Equivalent to ISO VG32 o VG46			
Operating Temperature	Range (°C)	-15 ~ +70 (+5 ~ +160 °F)			
Operating Viscosity	(cSt)	15 ~ 400 (80 ~ 1800 SSU)			
		25 Microns Absolute or Finer			

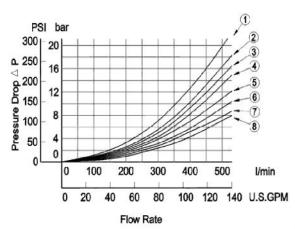
Dimensions



Section Y-Y

Attachment Name	Description	Tightening Torque	Code	
Soc. Hd. Cap Screw	M12X55LgX6pcs	100-123 Nm	30	
Soc. Hd. Cap Screw	1/2-13UNCX2-1/8"Lg X6pcs	868-1068 in.lbs	3090	

Performance



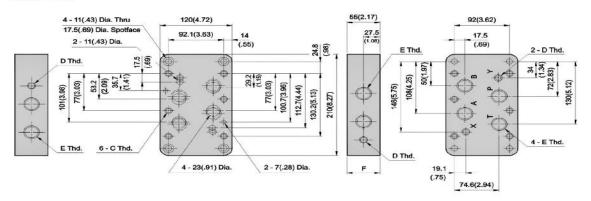
Series	Spool	Pressure Drop Curve Number					
	Type	P→A	B→T	P→B	A→T	P→T	
	3C2	8(6)	(5)(1)	8(6)	7(2)	-	
	3C3	6	4	6	7	6	
DSHG-06 DSHG-06-S	3C4	8(6)	(2)	8(6)	7(2)	-	
	3C40	8	(5)	8	7	7-	
	3C5	8	4	(5)	7	2	
	3C6	(5)	1	(5)	4	3	
	3C60	6(6)	(2)	6(6)	7(3)	3(1)	
	3C7	6	4	6	7	-	
	3C9	6	(5)	6	7	1 -	
	3C10	8	(5)	8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

Ordering Code

DSHG	3C2	N	10	D1	36	*P*D
Series No.	Spool Type	Electrical Conduit Type	Valve Size	Coil Voltage	Design No.	Pilot and Drain Connection
DSHG SDP 22	Spring centered 3 Position (3C94, 3C60, 3C6, 3C3 etc.)	N: DIN connector with light.	10 :- 1- 1/4"(NFPA- D10)	<u>D1:</u> DC12V <u>D2:</u> DC24V	36: with DIN 912 bolts	*P -> Pilot Plug (1/16, 1/8, 1/4) *D -> Drain Plug (1/16, 1/8, 1/4)
	Spring Offset 2 Position(2B2, 2B3, 2B8, 2B29 etc.)			<u>D3:</u> DC36V <u>D4:</u> DC48V		1P1D: Internal Pilot, Internal Drain
	Spring Detented 2 Position(2D2, 2D3 etc.)			D5: DC60V D6: DC72V		1P2D: Internal Pilot, External Drain
	For complete list see Spool Types tab below		D14.5: DC14.5v		2P1D: External Pilot, Internal Drain	
			D28: DC28V		2P2D: External Pilot, External Drain	

Sub Plate



CODE	C Thd.	D Thd.	E Thd.	
M06-06-**-30	M12XP1.5	PT3/4	PT3/4	30(1.18)
M06-06-**-3090	1/2-13UNC	NPT3/4	NPT3/4	30(1.18)
M06-08-**-30	M12XP1.5	PT1"	PT1"	30(1.18)
M06-08-**-3090	1/2-13UNC	NPT1"	NPT1"	30(1.18)