Catalog HY15-3502/US

Technical Information

CV

SH

Shuttle Valves LM

Load/Motor Controls FC Flow Controls

PC Pressure Controls

LE DC

Directional Controls MV

Proportional Valves

Coils & Electronics BC

CE

Bodies & Cavities

TD

General Description

2-Way Poppet Valves. For additional information see Technical Tips on pages SV1-SV6.



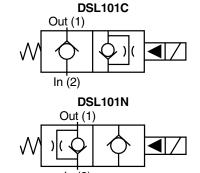
Features

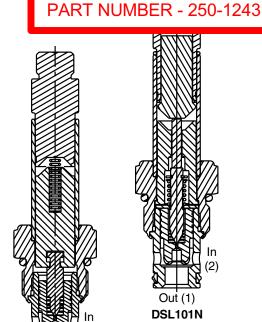
- Low hysteresis
- Replaceable, one piece encapsulated coils with minimal amperage draw
- Various coil terminations and voltages
- Various manual override options
- Fast response available, (CH and CHR) rated at 11 LPM (3.0 GPM)
- Polyurethane "D"-Ring
- All external parts zinc plated

Specifications

Rated Flow (At 70 PSI ΔP)	60 LPM (15 GPM)								
Maximum Inlet Pressure	250 Bar (3600 PSI)								
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.)								
Minimum Operating Voltage	85% of rated voltage at 20°C (72°F).								
Response Time	Energized De-Energized C, CR 80 ms 150 ms CH, CHR 50 ms 50 ms N, NR 35 ms 175 ms								
Cartridge Material	All parts steel. All operating parts hardened steel.								
Operating Temp. Range/Seals	-45°C to +93.3°C ("D"-Ring) (-50°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)								
Fluid Compatibility/ Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)								
Filtration	ISO Code 16/13, SAE Class 4 or better								
Approx. Weight	.20 kg (0.41 lbs.)								
Cavity	C10-2 (See BC Section for more details)								
Form Tool	Rougher None Finisher NFT10-2F								

Poppet Type, 2-Way Valve Series DSL101





LAST REV. DATE - 2016-01-20

REVISION LEVEL - 000

CHANGED BY - GWEN GROUP TECH NUMBER -

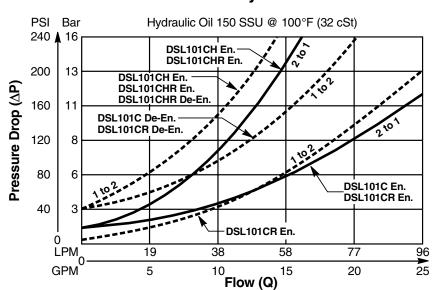
DSL101CHRSSD024D

Performance Curves

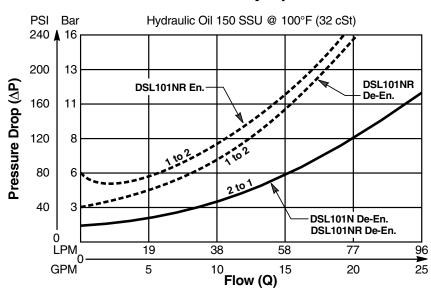
Pressure Drop vs. Flow (Through cartridge only)

Normally Closed

DSL101C



Normally Open





Parker Hannifin Corporation Hydraulic Cartridge Systems

Poppet Type, 2-Way Valve

Series DSL101

LAST REV. DATE - 2016-01-20 REVISION LEVEL - 000 CHANGED BY - GWEN GROUP TECH NUMBER -DSL101CHRSSD024D **PART NUMBER - 250-1243**

Che Val

SH

Shuttle Valves

LM

Load/Motor Controls

FC

PC

Pressure Controls

LE

Logic Elements

DC

Directional Controls

MV

Manual Valves

Proportional Valves

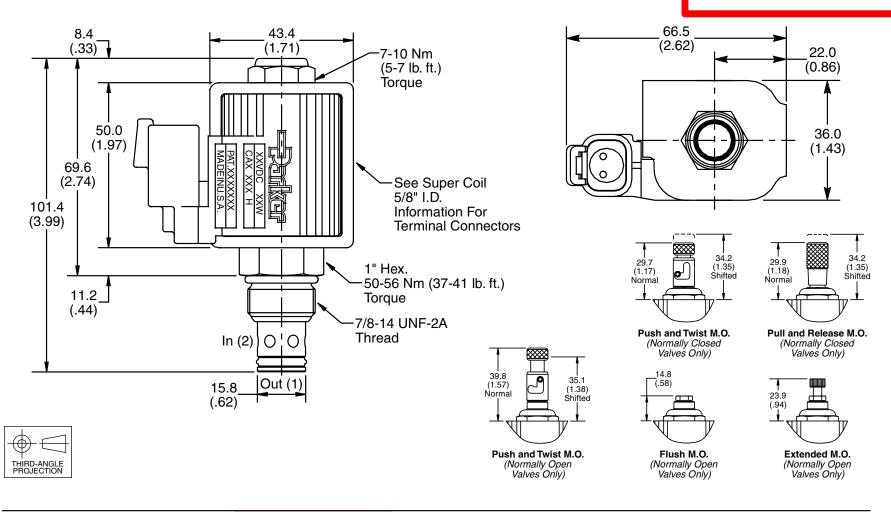
CE

& ronics

Coils Electr

Technical Information

Dimensions Millimeters (Inches)



Ordering Information

DSL101CHRSSDO24D

DSL101	CHR		-	_	-		SS	DO24		D		1	_	1		-	
10 Size Solenoid Valve	Style	(Override Option	Seals	Screen	1	Coil Type	Coil Voltage	Te	Coil rminati	on	Diode	ı	Body Vlateria	ıl	Port Size	

Code / Style	
C Normally Closed Metered reverse flow	Out (1)
CH Normally Closed Metered reverse flow (Fast response)	Out (1) In (2)
CHR Normally Closed Free reverse flow (Fast response)	Out (1) In (2)
CR Normally Closed Free reverse flow	Out (1) In (2)
N Normally Open Metered reverse flow	Out (1) In (2)
NR Normally Open Free reverse flow	V In (2) ■

Code	Override Options
Omit	None
E	Push Type with Extended Rod (N.O. Only)
M	Push Type with Flush Rod (N.O. Only)
P	Pull & Release (N.C. Only)
T	Push & Twist (N.C. & N.O.)
Code	Seals / Kit. No.
Omit	"D"-Ring / (SK10-2)
N	Nitrila / (CI/10 ON)
	Nitrile / (SK10-2N)
V	Fluorocarbon / (SK10-2V)
	Fluorocarbon /
	Fluorocarbon /
V	Fluorocarbon / (SK10-2V)

le	Override Options		Code	Coil Type
it	None		Omit	Without Coil
	Push Type with		SP	Super Coil - 28 Watts
	Extended Rod		SS	Standard Coil - 18 Watts
	(N.O. Only)			
	Push Type with		Code	Coil Voltage
	Flush Rod (N.O. Only	')	Omit	Without Coil
	Pull & Release		D012	12 VDC
	(N.C. Only)		D024	24 VDC
	Push & Twist		A120	120/110 VAC, 60/50 Hz
	(N.C. & N.O.)			240/220 VAC, 60/50 Hz
			ALTO	240/220 VAO, 00/30 HZ
e	Seals / Kit. No.			
it	"D"-Ring / (SK10-2)		SP*	Ocil Towningtion
	Nitrile / (SK10-2N)		Coil	Coil Termination
	Fluorocarbon /		Omit	Without Coil
	(SK10-2V)		С	Conduit With Leads
	,		D	DIN Plug Face
e	Screen		Α	Amp Jr. Timer†
iŧ	None		S	Dual Spade†

Code	Coil Type		Code	Diode		
Omit	Without Coil		Omit	None		
SP	Super Coil - 28 Watts		R	Diode		
SS	Standard Coil - 18 Watts			-		
0-4-	0-11 V-14	 	Code	Body Mate	rial	
Code	'		Omit	Steel		
	Without Coil		Α	Aluminum		
	1					
	24 VDC		Code	Port Size	Body Pa	rt No.
A120	'		Omit	Cartridge O	nly	
A240	240/220 VAC, 60/50 Hz		4P	1/4" NPTF	•	4P)
		ı	6P	3/8" NPTF		
SP*			8P	1/2" NPTF	(B10-2-*	8P)
Coil	Coil Termination		6T	SAE-6	(B10-2-*	
Omit	Without Coil		8T	SAE-8	(B10-2-*	,
C	Conduit With Leads		T8T	SAE-8	(B10-2-1	, .
D	DIN Plug Face		6B	3/8" BSPG	•	
Α	Amp Jr. Timer†			A" for alumin	um. omit f	or steel.
S	Dual Spade†		ן טוננו	body only.		
L	Dual Lead Wire†		COIL	L REPLA	CEME	NT O

COIL REPLACEMENT ONLY GROUP TECH NUMBER -CAS024D **PART NUMBER - 8028-193**

SV18

Sealed Lead Wire†

Molded Deutsch†

†DC Only

*Recommended

Hydraulic Cartridge Systems