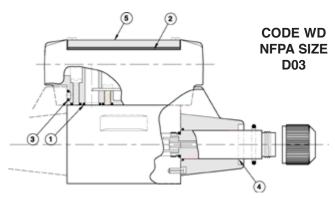


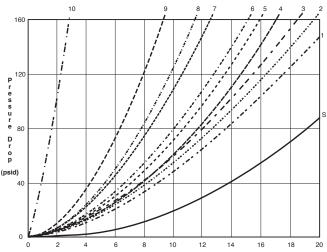
NEW VSD03M WASH DOWN OPTION VALVES SOLENOID ACTUATED, DIRECT OPERATING



DESCRIPTION

Wash down option with electrical box, rated for IP65. Tested by CSA. The hose down test consisted spraying the valve and enclosure with 45 to 65 GPM of water from a 25mm nozzle for 5 minutes. The water

TYPICAL PRESSURE DROP



FLOW PATH **AP CURVES**

Spool	Flow Curve Number							
Code	Sp	Spool Shifte			d Spool Center			
	P to A	B to T			P to A or B			
A	5	4	5	4				
A Code 1 & 2	2	2	2	2				
В	2	1	2	1	3	3	4	
B Code 1 & 2	2	1	2	1	3	3	4	
E	5	2	5	4		8		
F	5	1	5	1		7		
F Code 68	8	1	8	1		7		
F1	5	4	5	4		10		
G	2	5	2	5	5			
H	2	6	5	2			5	
J	5	5	3	5	9			
K	5	4	5	2		8		
L	3	5	3	5			8	
N	3	5	5	5	9			
Q	5	2	2	6			5	
Subplate					S (Full Ci	rcuit)		

stream was directed at the enclosure seams from a distance of 3 meters and moved along the joints or surface at a minimum rate of 6mm/s or 1.65in/s. The main changes to the standard D03 valve include:

1. Addition of o-rings to seal the mounting bolt access holes between the electrical box and valve body.

2. Thicker cover gasket made of 40D nitrile to protect against direct spray. The softer material compresses more to provide a tighter seal.

3. .093" Thick gaskets made of 50D nitrile to seal the solenoid pins where they pass through the electrical box. Added compression provides better protection from direct spray. These replace the standard o-rings.

4. RTV sealant added around core tube area.

5. Solid Anodized Aluminum Cover (no bolt access holes) replaces the standard plastic cover for better sealing and chemical resistance.

TYPICAL PERFORMANCE SPECIFICATION

Performance is measured on a four-way circuit (full circuit). Performance may be reduced from that shown if a three-way circuit (half circuit) is used, i.e. A or B port plugged.

Maximum I	-low Rate	See Chart				
Maximum	P, A, B Ports	5000 psi	345 bar			
Operating Pressure	T (Standard)	3000 psi	207 bar			
Maximum	AC Solenoids	400 cpm				
Cycle Rate	DC Solenoids	300 cpm				
Mounting Surface ANSI/B93.7M-1986 D0 ISO 4401 Size 03						
Weight	Single Actuator	3.2 lbs.	1.45 kg			
	Double Actuator	3.9 lbs	1.77 kg			
Spool Codes Available A,B,E,F,F1,G,H,J,K,L,N,Q						

All pressure drops shown on this page are based on 100 SUS fluid viscosity, and 0.87 specific gravity. See the chart below for other viscosities.

Fluid	CS	14.5	20.5	32	43	54	65	76	86
Viscosities	SUS	75	100	150	200	250	300	350	400
Multiplier		0.93	1.00	1.11	1.19	1.26	1.32	1.37	1.41

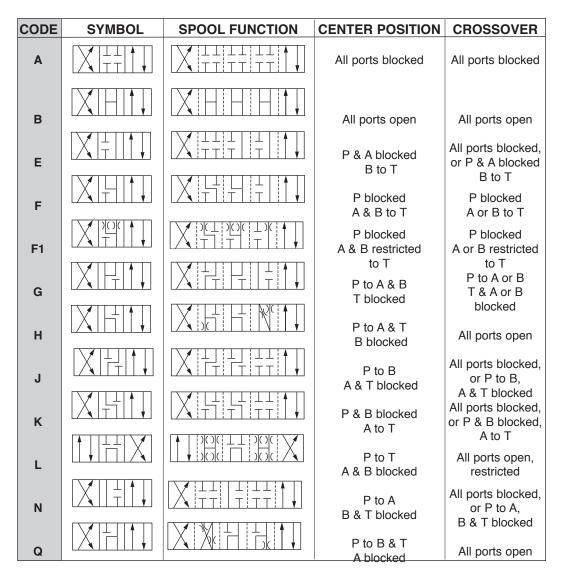
For any other specific gravity (G₁), the pressure drop (ΔP) will be approximately $\Delta P_1 = \Delta P$)G₁/G).

NEW VSD03M WASH DOWN OPTION VALVES

SOLENOID ACTUATED, DIRECT OPERATING

CONTINENTAL HYDRAULICS

SPOOL DESCRIPTION



EXCLUSIVE 3 YEAR WARRANTY

Continental Hydraulics Division warrants all hydraulic directional valves supplied by Continental Hydraulics against defects in materials and workmanship under normal use and service for 3 years from the date code on the valve.

Complete terms and conditions available upon request.

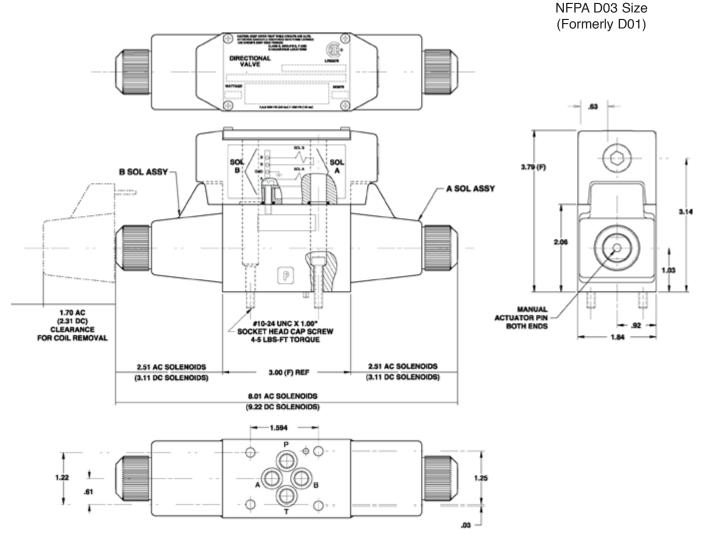


NEW VSD03M WASH DOWN OPTION VALVES

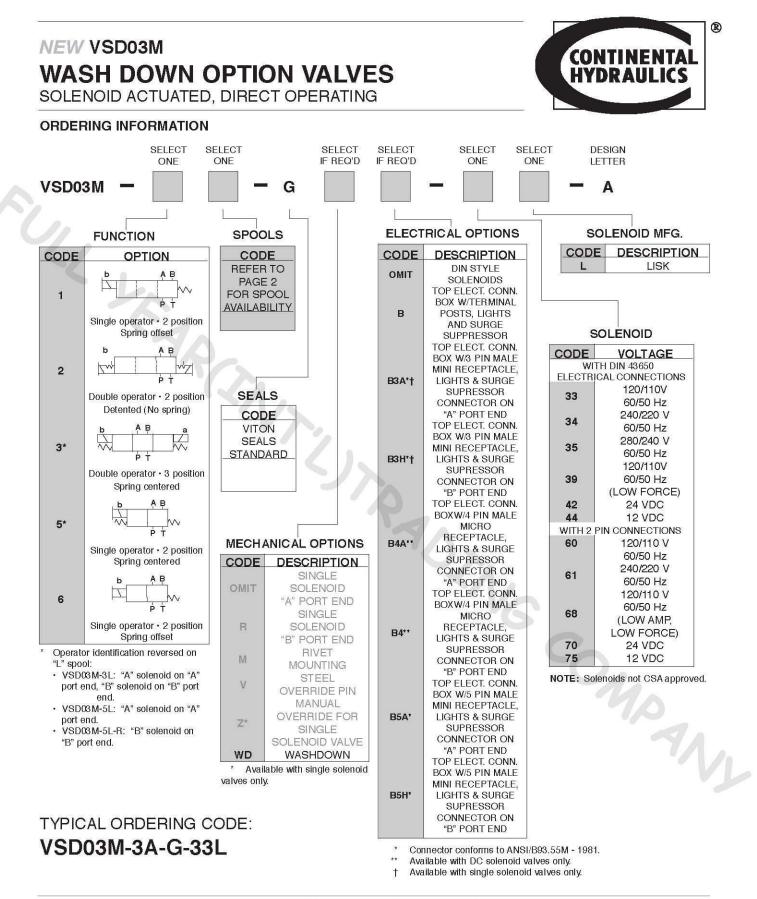
SOLENOID ACTUATED, DIRECT OPERATING

TYPICAL ELECTRICAL INFORMATION

SOLENO	ID CODE	VOLTAGE & FREQUENCY		RESISTANCE ±10%	INRUSH CURRENT	HOLDING CURRENT	HOLDING POWER
LEAD WIRE	DIN CONN.	VOLTS - Hz.	MIN - MAX	OHMS	(AMPS)	(AMPS)	(WATTS)
60L	33L	120 - 60	108 - 126 99 - 116	36.5	2.10	.40	21 21
		110 - 50 120 - 60	108 - 132	75.0		.43	10
68L		110 - 50	99 - 121	75.0	1.10	.20	9.5
		240 - 60	216 - 252	145.0	1.10	.21	22
61L 34L	34L	220 - 50	198 - 231	145.0		.25	22
70L	42L	24 DC	21 - 26	24.0	1.00	1.00	24
75L	44L	12 DC	10 - 13	6.3	2.00	2.00	24



VSD03M DOUBLE SOLENOID



FULL YEAR(INTERNATIONAL)TRADING CO.

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