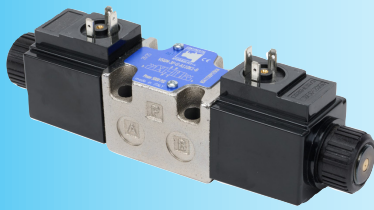




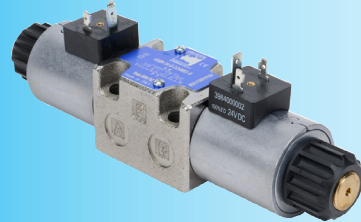
# VS6M Series D03 Hydraulic Valves



Part No. [AD03003](#)



Part No. [AD03010](#)



Part No. [AD03005](#)

## Overview

NFPA D03 hydraulic solenoid valves offering high performance in a compact design. Mounting bolts included. Mounts to standard subplates or manifolds (sold separately).

## Features

- 4-way, 2- or 3-position
- Four different center conditions
- Cast iron body with zinc-nickel coating for excellent corrosion resistance
- 120 VAC or 24 VDC single or double solenoids
- Manual overrides
- 18mm DIN style wiring plug
- 5000 psi maximum operating pressure
- NFPA D03, ISO 4401-03-02-0-05 (CETOP 4.2-4-03-350)



See [www.AutomationDirect.com](http://www.AutomationDirect.com) for a wide variety of fitting and cable options

VS6M Series D03 Hydraulic Valves															
Part No.	Model No.	Ports	Position	Type	Solenoid	GPM	Voltage	Power Rating	Weight (lb)	Manufacturer Specifications	Drawing Link	Price			
<a href="#">AD03001</a>	VS6M-3A-G-A110K1	4-port (4-way)	3-position	Center closed	Double solenoid	26.4	120 VAC	42 VA	4.40	PDF	<a href="#">PDF</a>	\$184.00			
<a href="#">AD03002</a>	VS6M-3B-G-A110K1			Center open							4.44	<a href="#">PDF</a>	\$184.00		
<a href="#">AD03003</a>	VS6M-3F-G-A110K1			Center float		23.2			4.41		<a href="#">PDF</a>	\$184.00			
<a href="#">AD03004</a>	VS6M-3L-G-A110K1			Center tandem		17.4			4.42		<a href="#">PDF</a>	\$205.00			
<a href="#">AD03005</a>	VS6M-3A-G-D24WK1			Center closed		26.4	24 VDC	31W	4.69		PDF	<a href="#">PDF</a>	\$184.00		
<a href="#">AD03006</a>	VS6M-3B-G-D24WK1			Center open								4.68	<a href="#">PDF</a>	\$184.00	
<a href="#">AD03007</a>	VS6M-3F-G-D24WK1			Center float								23.2	4.67	<a href="#">PDF</a>	\$184.00
<a href="#">AD03008</a>	VS6M-3L-G-D24WK1			Center tandem								17.4	4.68	<a href="#">PDF</a>	\$205.00
<a href="#">AD03009</a>	VS6M-1A-G-A110K1		2-position	N/A	Single solenoid spring return	23.2	120 VAC	42 VA	3.20	<a href="#">PDF</a>		\$158.00			
<a href="#">AD03010</a>	VS6M-1A-G-D24WK1					24 VDC	31W	3.37	<a href="#">PDF</a>	\$158.00					
<a href="#">AD03011</a>	VS6M-2A-G-A110K1-B				Double solenoid detented	26.4	120 VAC	42 VA	4.43	<a href="#">PDF</a>		\$199.00			
<a href="#">AD03012</a>	VS6M-2A-G-D24WK1-B						24 VDC	31W	4.67	<a href="#">PDF</a>		\$199.00			

AC Coils are rated 50/60 HZ.  
Coil exchanges can only be AC to AC or DC to DC as cores / operators are different sizes.  
For additional specification and mounting details, see manufacturer specifications.



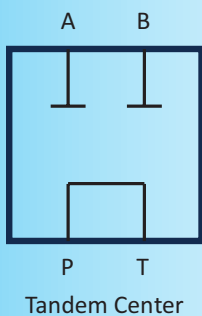
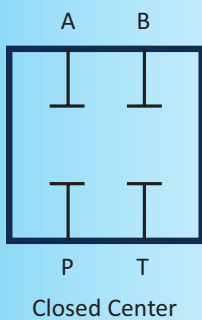
# Hydraulic Valves - Overview

## Valve Types

NFPA size D03 and D05 directional control valves in 4-way, 2- or 3-position configurations. D03 valves are available with solenoid operation (DIN or conduit box connections) or manual hand lever actuation.

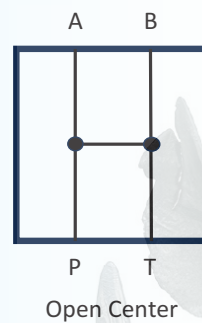
### Closed Center Valves

A closed center valve is typically used in circuits with variable volume, pressure compensated pumps. These style valves have all port blocked in the neutral position preventing flow to or from the actuators or pumps. **Note:** Closed center valves will not hold loads in many applications. Separate load holding devices should be used where needed.



### Open Center Valves

An open center valve is typically used in circuits that use fixed displacement pumps. These style valves with all ports open provide several benefits, allow for unloading the pump back to the reservoir with minimal resistance and heat buildup and allow open connection circuit for actuators that need to "freewheel" to a stop.

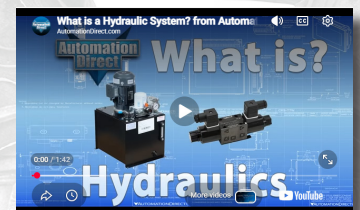


### Tandem Center Valves

A tandem center valve is typically used in circuits that use fixed displacement pumps. These style valves allow for unloading the pump back to the reservoir with minimal resistance and heat buildup. The A and B work ports are blocked in the neutral position preventing flow to or from the actuators.

### Float Center Valves

A float center valve is typically used in circuits with variable volume, pressure compensated pumps. These style valves the work ports are connected to the tank port in the neutral position allowing a "freewheel" effect when needed, as well as draining all pressure when used in conjunction with pilot operated check valves or counterbalance valves.



Click on the thumbnail or go to <https://www.automationdirect.com/VID-HY-0004> for a short video on Hydraulic Systems.



# Hydraulic Valve Accessories





## Overview

Continental subplates are built to NFPA standard dimensions to fit D03 or D05 valves. They are available with side ports or side and bottom ports. These subplates are also available with a cavity to fit a standard C10-2 cartridge relief valve.

Replacement solenoid coils, seal kits and mounting bolts are also available.



Subplates Made in USA

Hydraulic Valve Accessories						
Model Photo	Part No.	Model No.	Description	Weight (lb)	Drawing Link	Price
	<a href="#">ADSP0001</a>	<b>SD03AS08S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), side ports. For use with NFPA D03 valves.	1.73	<a href="#">PDF</a>	\$159.00
	<a href="#">ADSP0002</a>	<b>SD03ASB08S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), side and bottom ports. For use with NFPA D03 valves.	1.80	<a href="#">PDF</a>	\$180.00
	<a href="#">ADSP0003</a>	<b>SD03ASBR708S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), C10-2 relief valve cavity, side and bottom ports. For use with NFPA D03 valves. Purchase relief valve separately.	3.16	<a href="#">PDF</a>	\$189.00
	<a href="#">ADSP0004</a>	<b>SD05AS12S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), side ports. For use with NFPA D05 valves.	1.43	<a href="#">PDF</a>	\$106.00
	<a href="#">ADSP0005</a>	<b>SD05ASB12S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), side and bottom ports. For use with NFPA D05 valves.	2.44	<a href="#">PDF</a>	\$181.00
	<a href="#">ADSP0006</a>	<b>SD05ASBR712S</b>	Continental subplate, aluminum body, SAE size -8 O-ring port(s), C10-2 relief valve cavity, side and bottom ports. For use with NFPA D05 valves. Purchase relief valve separately.	3.04	<a href="#">PDF</a>	\$190.00
	<a href="#">ADACC001</a>	<b>D24WK1</b>	Continental solenoid coil, replacement, 24 VDC, 31W, DIN 43650 connector. For use with Continental VS6M and VSNG10 series valves.	1.02	<a href="#">PDF</a>	\$42.50
	<a href="#">ADACC002</a>	<b>D110K1</b>	Continental solenoid coil, replacement, 120 VDC, 28.2W, DIN 43650 connector. For use with Continental VSNG10 series valves.	0.96	<a href="#">PDF</a>	\$48.00
	<a href="#">ADACC003</a>	<b>1013096</b>	Continental seal kit, replacement. For use with Continental D03 series valves. Includes (4) surface O-rings and (2) core tube O-rings.	0.02	<a href="#">PDF</a>	\$48.00
	<a href="#">ADACC004</a>	<b>1030381</b>	Continental seal kit, replacement. For use with Continental D05 series valves. Includes (4) surface O-rings and (2) core tube O-rings.	0.02	<a href="#">PDF</a>	\$22.50
	<a href="#">ADACC005</a>	<b>1013316</b>	Continental seal kit, replacement. For use with Continental D03 series manual valves. Includes (4) surface O-rings and (2) core tube O-rings.	0.07	<a href="#">PDF</a>	\$137.00
	<a href="#">ADACC006</a>	<b>1008406</b>	Continental mounting bolts, for use with Continental D03 series valves.	0.05	<a href="#">PDF</a>	\$15.00
	<a href="#">ADACC007</a>	<b>1019657</b>	Continental mounting bolts, for use with Continental D05 series valves.	0.10	<a href="#">PDF</a>	\$23.00
	<a href="#">ADACC008</a>	<b>121472</b>	Continental mounting bolts, for use with Continental D03 series manual valves.	0.04	<a href="#">PDF</a>	\$12.00

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

Note: Power AC Coils incorporate integrally molded full wave rectifiers.

AC Coils are rated 50/60 HZ.

For additional specification and mounting details, see manufacturer specifications.



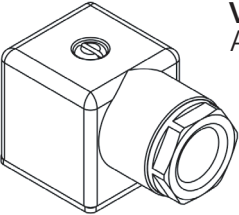
# Hydraulic Valve Accessories

Hydraulic Valve Accessories						
Model Photo	Part No.	Model No.	Description	Weight (lb)	Drawing Link	Price
	<a href="#">ADACC009</a>	A110K1	Continental solenoid coil, replacement, 120 VAC, 42 VA, DIN 43650 connector. For use with Continental VS6M series valves.	0.95	<a href="#">PDF</a>	\$32.00
	<a href="#">ADACC010</a>	VEA-6FR-A	Continental field wireable solenoid valve connector, for use with DIN 43650A 110 VDC solenoid valves. Graetz bridge rectifier for 110/120 VAC power supply included.	0.07	<a href="#">PDF</a>	\$17.50
	<a href="#">ADACC011</a>	1012953AD	Continental solenoid coil, replacement, 120 VAC, 22W, 2-pin connector. For use with Continental VSD03 series valves.	0.75	<a href="#">PDF</a>	\$52.00
	<a href="#">ADACC012</a>	1012957AC	Continental solenoid coil, replacement, 24 VDC, 30W, 2-pin connector. For use with Continental VSD03 series valves.	0.95	<a href="#">PDF</a>	\$67.00

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page. AC Coils are rated 50/60 HZ.

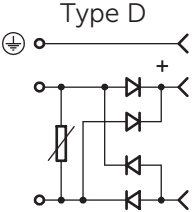
For additional specification and mounting details, see manufacturer specifications.

**DIN Connector**  
43650 Form A / ISO 4400



**VEA-6FR-A**  
ADACC010

PC11 ISO Strain Relief



Type D

Built in Graetz Bridge Rectifier

Two poles + ground with Graetz bridge rectifier: for alternate current power supply source and direct current coils with current consumption max 1 ampere.