

PERFORMANCE INTEGRITY FOR YOUR SYSTEMS

DUAL MONITORING Block and Bleed Control Valves

TÜV certification valves to help you achieve compliance to EC Machine Directives, ISO and ANSI regulatory standards

DUAL MONITORING Block and Bleed Control Valves

Dual monitored block and bleed kits, are designed to assist in meeting safety requirements listed in ISO 13849-1/-2 and EN 692 directives.

These redundant design products, when properly implemented into the safety control and monitoring system using a high diagnostic coverage, can achieve Category 4, SIL 3 coverage requirements.

Dual monitored kits consist of ductile iron manifold and two single solenoid valves making it a redundant design. The series - parallel circuit design blocks flow and pressure until both valves have been actuated to allow flow and pressure from the supply to the machine. If either valve is deactivated the flow to the outlet port will be blocked from the hydraulic supply source and the outlet port is then automatically connected to tank removing all potential hydraulic power at the machine.

The solenoid operated directional valves are equipped with position sensors that monitor the main spool position. The switching position is indicated by a binary signal.



Continentals double redundant directional control valves and ductile iron manifold assemblies, available in D03, D05 and D08 sizes, with flow rates from 1 to 80 GPM.

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Continental Hydraulics double redundant valve assemblies are ideal for applications such as:

- Brick and Block Manufacturing
- Automotive Assembly Lines
- Machining Centers
- Recharging Systems in Critical Petro-Chemical/Energy Producing Applications
- Pulp and Paper Product Production
- Saw Mills
- Metal Forming
- Food Processing Plants
- Powering Dam Gates
- Motion Simulators
- Hydraulic Presses



TÜV certification body certifies the compliance of VSD0*S valves with the EC safety standards ISO 4413:2012, UNI EN 12622:2014, UNI EN 693:2001 +A2:2001, UNI EN 201:2010 and UNI EN 422:2009 with certificate TÜV IT 14 MAC 0043.



D03 Direct Operated Valve

Flows to 15 GPM / Pressures to 5000 PSI

IDENTIFICATION CODE:

DMK - D03S - AMB - 🗐 - D24🗐 - M1641



 Coil Connections

 1
 DIN coil connection

 K7
 Deutsch coil connection only with W7 valve

DETAILS:

- NFPA D03 Monitored Valve
- Ductile iron manifold
- K1 24 VDC DIN coil connection (IP65)
- WK7 24 VDC Kit Deutsch coil connection (IP66) (NEW)
- Coil and switch mating connections sold separately
- Weight: 17.5 lbs / 8 Kg

MB Option - Standard



Ports	
IN/OUT/TANK	SAE-12
G1/G2	SAE-04

Cord and Connectors	
VEA-K7-C4-A	Deutsch cord assembly
VEA-3P4C-90-A	M12 4 Pin 90° cord assembly
VEA-3E-A	DIN Connector



W7 option shown -



D05 Direct Operated Valve

Flows to 30 GPM / Pressures to 4600 PSI

IDENTIFICATION CODE:



Zinc-Nickle Body Coating

Valve Surface Treatment

Standard

Coil Connections

 K1
 DIN coil connection

 K7
 Deutsch coil connection only with W7 valve

DETAILS:

- NFPA D05 Monitored Valve
- Ductile iron manifold
- K1 24 VDC DIN coil connection (IP65)
- K7 24 VDC Kit Deutsch coil connection (IP66) (NEW)

Omit

W7

- Coil and switch mating connections sold separately
- Weight: 38 lbs / 17.2 Kg

MB Option - Standard



Ports	
IN/OUT/TANK	SAE-12
G1/G2	SAE-06

Cord and Connectors	
VEA-K7-C4-A	Deutsch cord assembly
VEA-3P4C-90-A	M12 4 Pin 90° cord assembly
VEA-3E-A	DIN Connector



2X 3/8-16 UNC ↓ .50 MIN

SAE -12 TUBE PORT 1-1/16-12 UN-2B BOTH ENDS

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D08 Pilot Operated Valve

Flows to 80 GPM / Pressures to 5000 PSI

IDENTIFICATION CODE:



 Omit
 Standard

 W7
 Zinc-Nickle Body Coating

Valve Surface Treatment

 Coil Connections

 K1
 DIN coil connection

 WK7
 Deutsch coil connection only with W7 valve

DETAILS:

- NFPA D08 Monitored Valve
- Ductile iron manifold
- K1 24 VDC DIN coil connection (IP65)
- WK7 24 VDC Kit Deutsch coil connection (IP66) (NEW)
- M12 4 pin switch connection
- Weight: 245 lbs / 111.1 Kg

W7 option shown ► (Fittings sold separately)

MB Option - Standard



Ports	
P and B	1 1/4 code 62 S.F.
T	1 1/2 code 61 S.F.
PT* and X	SAE-04
Y Port	SAE-08

Pilot / Drain Ports Pressure	
X Port pilot pressure range	200 - 3000 PSI
Y Port connect direct to tank	0 - 50 PSI

Cord and Connectors	
VEA-K7-C4-A	Deutsch cord assembly
VEA-3P4C-90-A	M12 4 Pin 90° cord assembly
VEA-3E-A	DIN Connector



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