

Direct operated solenoid valve VZWD

FESTO



Ideal for high pressures with low flow rates: the VZWD operates without differential pressure at up to 90 bar, even in closed media circuits. It is thus ideal for high-pressure and dosing applications. In contrast to force pilot operated or pilot actuated valves, it has no pilot ports.

Well thought out, down to the smallest detail

The valve seat is raised by the actuator alone. A closing spring holds the valve closed, with the support of the pressure of the medium. In cases of pressure loss, a normally closed function closes the valve automatically. The maximum pressure range for the medium to be controlled is governed by the ratio of the valve seat size and the solenoid used.

The advantages at a glance

- Can be operated with water, air and neutral media
- Valve will switch at any pressure from 0 bar to the maximum operating pressure of the valve
- Operation unimpaired by light levels of dirt
- Ideal for applications in closed media circuits in factory and process automation
- Integrated N/C function

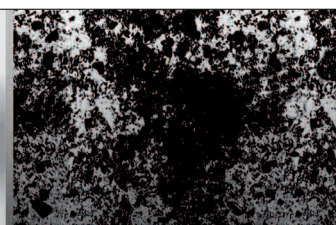
VZWD = Powerful



Pressure range 0 to 90 ...



... Small diameters ... sec 1



... Unaffected by dirt

910.18 PSI →

Product Short Information

Directly actuated solenoid valve VZWD

Main use in

- Applications requiring an operating pressure from 0 to 90 bar
- Applications with a closed media circuit
- Applications with high pressures and low flow rates
- Applications with media with a viscosity of up to 22 mm²/s Vt
- Vacuum systems down to 100 mbar
- Venting gas and storage tank installations
- Safety shut-off functions in burner management systems
- Low-pressure gas supplies for industry and households to DIN EN 161
- Gas dosing systems
- High-pressure cleaning
- Pneumatics (factory automation)



Technical data	
Function	2/2-way valves, N/C
Design	Poppet valve with return spring
Type of actuation	Directly actuated
Mounting position	Preferably with coil at top
Connecting thread	G and NPT threads
Valve housing material	Brass, stainless steel
Seat seal material	FKM
Power valve connection	1/8", 1/4"
Nominal diameter	1.0 mm 1.5 mm 2.0 mm 2.5 mm 3.0 mm 4.0 mm 5.0 mm 6.0 mm
Operating pressure	0 ... 10 bar (depending on coils used and nominal diameter)
Nominal valve pressure PN	40
Temperature of medium	-10 ... 80 °C
Operating voltage	24 V DC, 110 V AC, 230 V AC

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