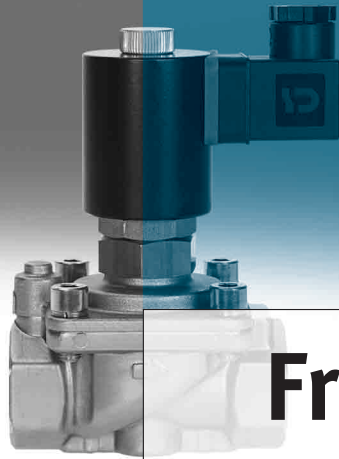


# Force pilot operated solenoid valve VZWF

**FESTO**



## From 0 bar

**Can be operated without differential pressure, e.g. can be used in closed media circuits. The force pilot operated valves from the VZWF series use relatively small solenoids to control high pressures with large nominal diameters. They can switch at pressures as low as 0 bar and close automatically via a normally closed function in the case of a pressure loss in the circuit.**

### **An ingenious solution**

The special feature of this type of actuation is the support by the pressure of the medium. This means that smaller coils can be used in comparison with direct operated valves as less power is required at the coil to open the valve. The energy of the pressure of the medium is also used for this purpose.

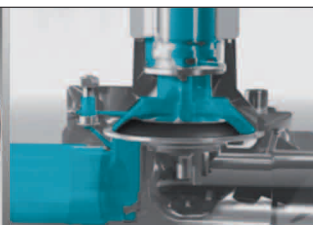
### **The advantages at a glance**

- Can be operated with water, air and neutral media
- Possible to control high pressures with large nominal diameters
- Generally suitable for use in all cases where the medium can be vented downstream of the valve into the atmosphere or into a tank
- Operates from 0 bar
- Ideal for applications in closed media circuits
- Integrated N/C function

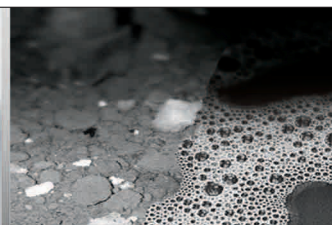
**VZWF: In a class of its own**



Pressure range from 0 bar



Force pilot operated



Wide variety of media

**910.17 PSI →**

Product Short Information

# Force pilot operated solenoid valve VZWF

## Main use in applications

- in which operation is required from 0 bar
- with a closed media circuit
- with media with a viscosity of up to 22 mm<sup>2</sup>/s

## Industries

- Filling systems (secondary circuit)
- Water treatment
- Pipeline construction
- Steam boiler construction
- Liquid gas installations
- Hot water applications
- Heating circuits
- Power plant systems
- Petrochemical industry
- Pump systems
- Storage tank installations
- Pneumatics (factory automation)



## Technical data

|                           |   |
|---------------------------|---|
| Function                  | 2/2-way valves, NC  |
| Design                    | Poppet valve with return spring                             |
| Type of actuation         | Force pilot operated  |
| Mounting position         | Preferably with coil at top                                 |
| Connecting thread         | G and NPT threads   |
| Valve housing material    | Brass, stainless steel                                      |
| Seat seal material        | NBR, FKM, EPDM  |
| Sizes                     | 1/2" ... 2"   |
| 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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