

Angle seat valve VZXF

FESTO



Tough

Highlights

- Robust: for viscous or contaminated media
- Variants for a large number of applications
- Variants for different pressures, including vacuum
- High thermal resistance
- Safe even in case of pressure loss
- Attractively priced

VZXF – the robust universal valve for process automation applications. Perfect for all tasks involving the control of media flows, whether contaminated or highly viscous. New variants have now been added to the VZXF range.

Viscous or gaseous – it doesn't matter!

VZXF controls gaseous or liquid material flows in both closed and open circuits. Angle seat valves are particularly well suited for use in applications with the following media:

- Vapour
- Highly viscous media up to 600 mm²/s
- Contaminated media
- Clean media

Water hammer effects are no problem!

Choose between:

- "Closing in the direction of media flow" for gaseous media
- "Closing against the direction of media flow" for fluid media

The second version reduces the risk of water hammer effects, and significantly increases the service life of the valves and other components in the customer's application.

Specific combinations of materials, e.g. stainless steel housing with a nickel-plated brass actuator, ATEX versions, vacuum-compatible or PWIS-free angle seat valves VZXF greatly expand the range.

Angle seat valve VZXF

The advantages of VZXF in brief

- Angle seat valves are simple and robust and are thus perfectly suitable for almost all media with a viscosity of up to 600 mm²/s.
- Angle seat valves are extremely insensitive to contamination because, in contrast to solenoid valves, they do not feature any control apertures with small diameters.
- VZXF angle seat valves have high thermal resistance.
- High level of safety in the event of pressure loss in the control circuit: the normally closed function ensures that the valve closes.
- Two versions:
 - "Closing in the direction of media flow" for gaseous media
 - "Closing against the direction of media flow" for fluid media
- Various angle seat designs for different media pressures.



The new variants at a glance

- Specific combinations of materials, e.g. stainless steel housing with a nickel-plated brass actuator
- ATEX versions for variants made of gunmetal and stainless steel
- Variants suitable for vacuum up to -0.9 bar
- PWIS-free designs

Technical data	
Function	2/2-way valves, NC
Design	Seat valve with spring return
Type of pilot control	Externally actuated
Mounting position	Any
Connecting thread	G thread and NPT thread
Valve housing material	Stainless steel casting, gunmetal
Pressure range [bar]	0 ... 30
Actuator material	Stainless steel, brass, nickel-plated
Seat sealing material	Brass NBR, PTFE, FKM/FPM
Sizes	1/2" ... 2" (G and NPT)
Port for pilot medium	G 1/8"
Temperature of media [°C]	NBR: -10 ... 80 PTFE: -40 ... 200
Nominal pressure	PN10, PN16
ATEX category	II 2GD