

Flour Milling

VAD Diverter Valves



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Description ▼

VAD Diverter Valves consist of an aluminium die-cast casing and a swivel flap that closes one duct or the other. The range suits common pipe standards used for pneumatic conveying. Internal sealing of the body is achieved through low-friction gaskets.

Surface treatments are available to make the valves suitable for operation with different materials.

Function ▼

VAD-type Diverter Valves are suitable for use in pneumatic conveying lines for handling any type of product in powdery or granular form. Through activation of the actuator, direction of the material flow is changed. VAD-type Diverter Valves ensure minimum pressure loss and contamination-free, pressure-proof operation.



Application ▼

VAD Diverter Valves are fitted directly to the pneumatic conveying ducts wherever it is necessary to divert the flow of material to different production lines.

Benefits ▼

- ✓ **ATEX certified actuator components;**
- ✓ **Manual, Pneumatic and Electric actuators available;**
- ✓ **Same actuators as used for WAM® valves;**
- ✓ **Square counter-flanges ensure system compatibility;**
- ✓ **Suitable for different materials in the same configuration;**
- ✓ **Quick integration into the process thanks lightweight design;**
- ✓ **Time-saving maintenance thanks to small numbers of components.**

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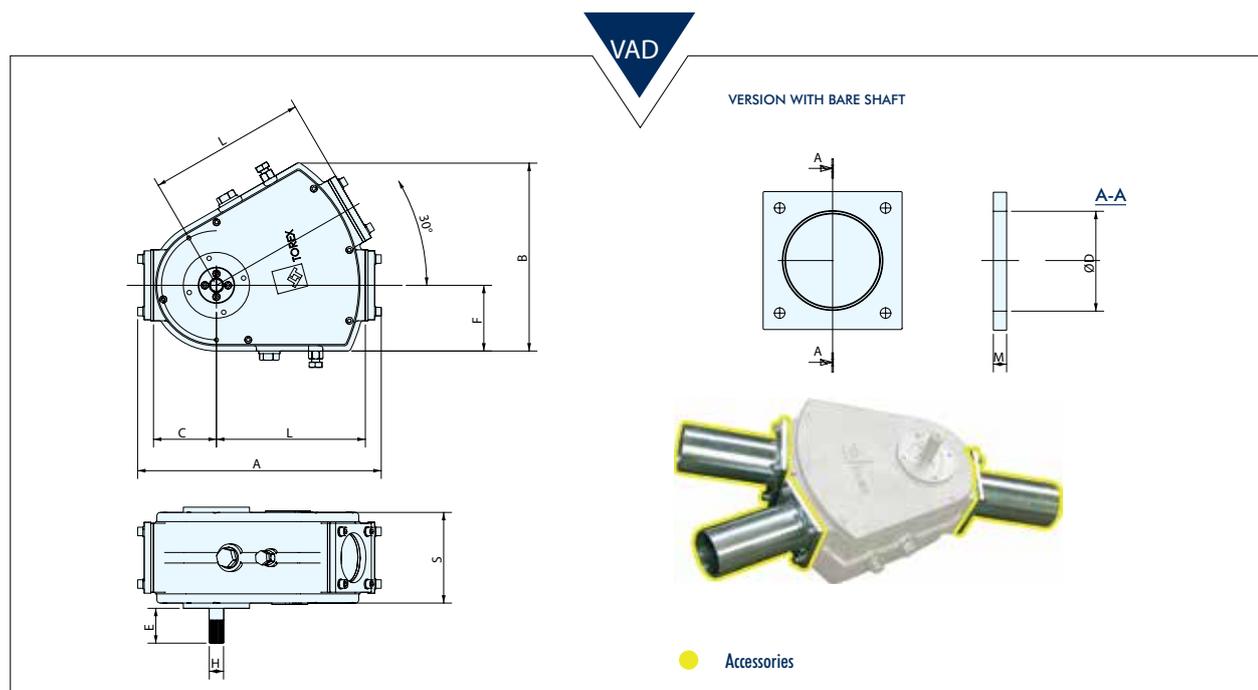
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Technical Features / Performance ▼

- ▶ Lightweight design
- ▶ Compact overall dimensions
- ▶ Basic structure manufactured from cast aluminium
- ▶ Operating temperature: -20° C to 80° C (-4° F to 180° F);
- ▶ Diverter operating pressure: max. 2.5 bar (35 PSI);
- ▶ Low friction gaskets
- ▶ Pneumatic actuator activation pressure: max. 8 bar (116 PSI);
- ▶ Range from 50 mm up to 100 mm
- ▶ Micro-switch box for signalling actuator position
- ▶ Electro-pneumatic actuator with possibility of different supply voltages 24/48/110/230 V AC

Overall Dimensions ▼



TYPE	D NOM. inches	D NOM.	L	A	B	C	E	F	H DIN 5482	S	kg	TYPE	Ø D NOM. inches	Ø D	M
VAD 050	1 ½"	50	170	289	224	75	52.5	80	Toothing 22x19	122	10.5	VAD 050	1 ½"	48	10
VAD 080	2 ½"	80	225	368	287	95	52.5	100		135	17.5	VAD 080	2 ½"	76	10
VAD 100	3 ½"	100	240	393	311	105	52.5	110		155	21.0	VAD 100	3 ½"	102	10

Dimensions in mm

This datasheet might not show the complete range but only the models most suitable for the application.