Lime Dosing
Slide Valves VL

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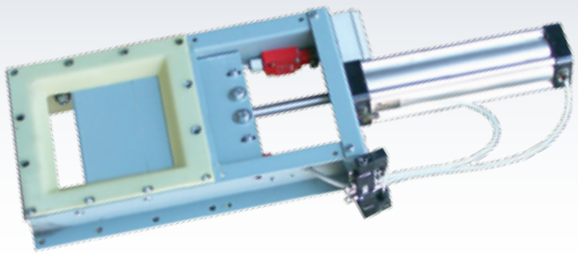

Description

VL-type Slide Valves consist of a two-piece carbon or stainless steel frame, which is partly coated with WAM®'s unique SINT® engineering polymer composite, and a sliding blade manufactured either from the same material or from carbon or stainless steel. The use of SINT® engineering polymer composites considerably increases resistance to abrasion compared to traditional valves.

Function

VL Slides Valves are used where flow of a bulk solid or sludge caused by gravity or conveying has to be intercepted. Valves may be fitted to hopper or silo outlets, to the inlets and outlets of mechanical conveyors or to the inlet of telescopic loading spouts.

Application

The special geometry of the VL Slide Valves and the different options of blade design enable their application in virtually all type of powder and processing plants where interception of gravity-fed or pneumatically conveyed dry materials is required. Typical applications are storage, conveying and processing lines. They are fitted beneath hoppers, bins, silos, screw or other type conveyors. Due to their special design and the engineering polymer materials used, they represent a particularly cost-effective yet most efficient solution.

Benefits

- ✓ **No contamination due to metal steel blade and valve frame coated with polymer material;**
- ✓ **Reduced crusting effects due to valve frame coated with low-friction polymer material;**
- ✓ **Dust-tight thanks to component geometry;**
- ✓ **Suitable for different materials in same configuration;**
- ✓ **Easy process integration;**
- ✓ **Time-saving maintenance thanks to small number of components;**
- ✓ **Optimum performance thanks to friction-free contact design (actuator torque is not wasted to win friction resistance).**

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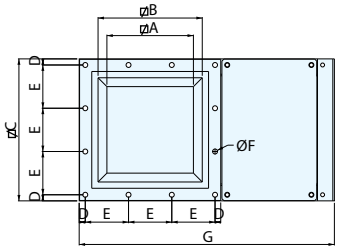
Technical Features / Performance

- Square (VLQ) or round (VLC) inlet from 150 to 400mm (6 to 16 in)
- Rectangular inlet for 300mm size (12 in)
- Dust-tight, max. temperature T= 80°C (176 F°)
- Blade in mild or stainless steel or coated in SINT® engineering polymer
- Frame in mild or stainless steel
- Absence of stagnation points
- Friction-free contact design
- Safe sealing with no additional measures due to the all-round dust-tight seal lips incorporated in the polymer coating

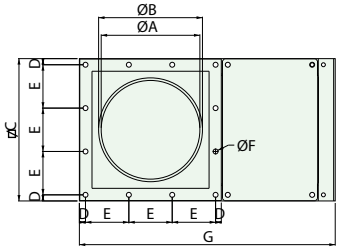
Overall Dimensions



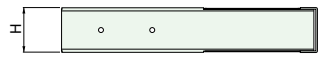
Square Cross Section Valves

TYPE	A	B	C	D	E	N°E	Ø F	Bolts	G	H	kg
VLQ0150..	120	175	261	15.5	115.0	2	12.5	M10	455	113	14
VLQ0200..	170	225	311	15.5	93.3	3	12.5	M10	555	113	18
VLQ0250..	220	275	361	15.5	110.0	3	12.5	M10	650	113	22
VLQ0300..	270	325	431	23.0	128.3	3	12.5	M10	765	113	30
VLQ0350..	320	375	481	18.0	89.0	5	12.5	M10	900	125	40
VLQ0400..	370	425	531	15.5	100.0	5	12.5	M10	1,000	125	46

1 Carbon Steel
3 304 Stainless Steel



Round Cross Section Valves



TYPE	A	Ø B	Ø C	D	E	N°E	Ø F	Screw	G	H	kg
VLC0150..	150	165	261	15.5	115.0	2	12.5	M10	455	113	14
VLC0200..	200	215	311	15.5	93.3	3	12.5	M10	555	113	18
VLC0250..	250	265	361	15.5	110.0	3	12.5	M10	650	113	22
VLC0300..	300	315	431	23.0	128.3	3	12.5	M10	765	113	30
VLC0350..	350	365	481	18.0	89.0	5	12.5	M10	900	125	40
VLC0400..	400	415	531	15.5	100.0	5	12.5	M10	1,000	125	46

1 Carbon Steel
3 304 Stainless Steel

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