

AK ENGINEERING



We are Specialize in :

- Butterfly Valve
- Pneumatic Actuator
- Micro Switch
- Pressure Relief Valve
- Vibrating Bin Aerator
- Hanger Bearing
- Dust Collector



We are committed to quality, innovation, and customer satisfaction, offering tailored solutions backed

by technical excellence and responsive service.



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About Us

A K Engineering, Founded in 2019,

A K Engineering Company is a trusted name in industrial automation, Construction Equipment Manufacturers and proudly operating from Pune. With over 7+ years of hands-on experience, we specialize in delivering high-performance components and systems that drive efficiency, safety, and reliability across the Construction industry.

Mission

To deliver innovative, reliable, and cost-effective industrial automation, Construction Equipment Manufacturers that empower our clients to achieve operational excellence. We are committed to quality craftsmanship, responsive service, and continuous improvement in every product we offer—from valves and actuators to dust management systems.

Vision

To become a leading force in industrial automation, Construction Equipment Manufacturers across India have been recognized for our technical expertise, customer-centric approach, and unwavering commitment to safety and sustainability. We envision a future where A K Engineering Company sets the benchmark for engineering excellence in every sector we serve.

Our core expertise includes:

- **Butterfly Valves** – Precision flow control for fluid systems, Solid, Mixers, Cement, Fly ash
- **Pneumatic Actuators** – Robust automation for valve operations, use in all types of building Material Processing plants.
- **Micro Switches** – Compact, reliable electrical switching solutions
- **Pressure Relief Valves** – Safety devices to protect silo and bin systems
- **Vibrating Bin Aerators** – Flow aid systems for bulk material handling
- **Hanger Bearings** – Durable support for screw conveyors
- **Dust Collectors** – Efficient for cartridge filter elements, Vibrated Cleaning System at regular Intervals.



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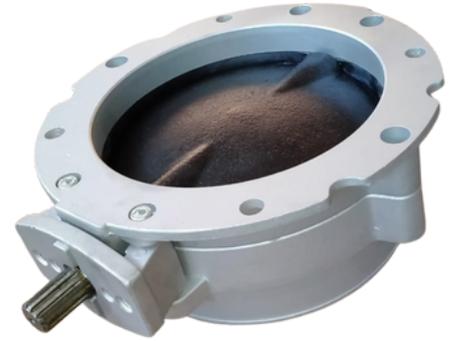


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Butterfly valve

VAF Type Butterfly Valves with Pneumatic & Manual Lever Actuators

Our VAF Type Butterfly Valves are made from high-quality aluminium die-cast bodies with NBR rubber seals, ensuring durability and excellent sealing performance. The double identical flange design allows compatibility with flexible sleeve arrangements. These valves can be easily fitted with pneumatic actuators or manual lever actuators and are ideal for use in powder and granule processing plants, including applications below silos, bins, hoppers, and screw conveyors.



Key Features:

- Exceptional strength and durability
- Easy installation and maintenance
- Smooth finish with premium appearance

Benefits

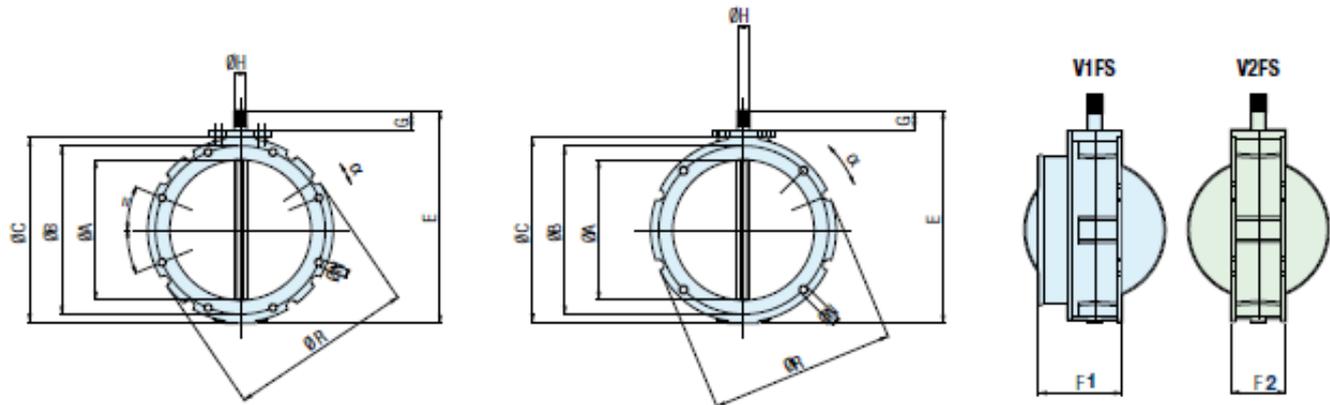
- Highly abrasion-resistant due to specific component design
- Delivery from stock of WAMGROUP® subsidiaries worldwide
- Time-saving maintenance
- Optimum price-performance ratio

Technical Features

- V1FS with top flange and beaded bottom section suitable for fixing of flexible sleeve
- V2FS with identical top and bottom flange
- Dust-tight and pressure-proof up to 0.2 bar (2.9 PSI)
- High-pressure aluminium alloy die-cast semi-bodies
- Disc in cast iron, SINT® engineering polymer, or stainless steel
- Gaskets for both standard and food-grade applications
- Few components
- Lightweight and easy to handle



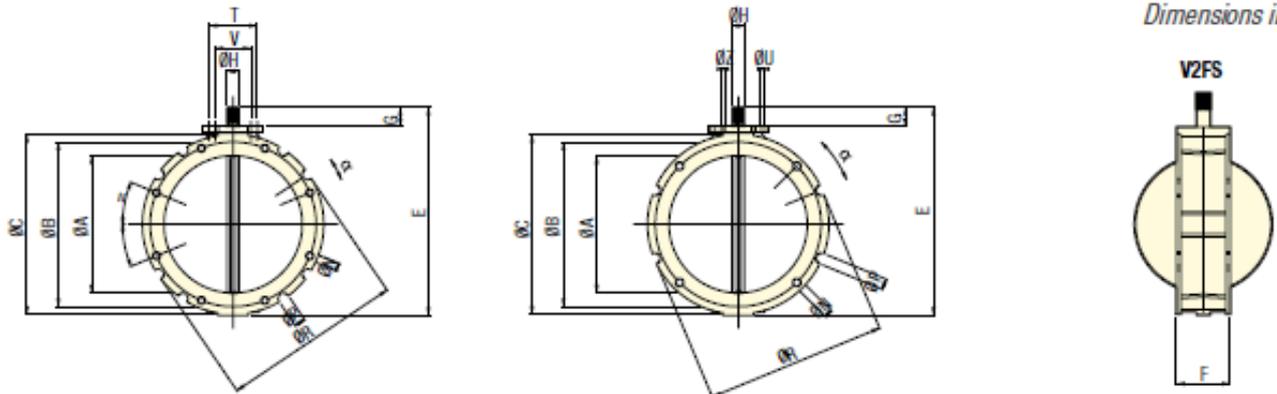
Overall Dimensions



SINGLE / DOUBLE-FLANGE BUTTERFLY VALVES

TYPE	Ø A	Ø B	Ø C	Ø D	E	F1	F2	G	Ø H DIN 5482	N Drillings	P External indents	Ø R	α	S	T	U	V	Z	kg
V1FS 100.	95	180	220	105	250	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	220	22°30'	40	80	M12	50	M10	4.0
V1FS 150.	150	200	228	163	290	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	228	22°30'	40	80	M12	50	M10	5.0
V1FS 200.	200	250	278	213	340	117	77	35	22 X 19	4 X Ø 14	4 X Ø 20	278	22°30'	40	80	M12	50	M10	6.5
V1FS 250.	250	300	328	263	390	117	77	35	22 X 19	8 X Ø 14	8 X Ø 20	325	11°15'	40	80	M12	50	M10	7.5
V1FS 300.	300	350	378	313	440	117	77	35	22 X 49	8 X Ø 14	16 X Ø 20	375	5°41'	40	80	M12	50	M10	9.0
V1FS 350.	350	400	440	363	530	125	85	50	28 X 25	8 X Ø 14	8 X Ø 20	440	10°	40	80	M12	-	-	16.0
V1FS 400.	400	470	530	413	580	125	85	50	28 X 25	8 X Ø 14	16 X Ø 20	530	4°30'	40	80	M12	-	-	20.5

Dimensions in mm



FOOD-GRADE BUTTERFLY VALVES

TYPE	Ø A	Ø B	Ø C	E	F	G	Ø H DIN 5482	N Drillings	P External indents	Ø R	α	T	U	V	Z	kg
V2FS 100.	90	180	220	250	84	35	22 X 19	4 X Ø 14	4 X Ø 20	220	22°30'	80	M12	50	M10	4.0
V2FS 150.	145	200	228	290	84	35	22 X 19	4 X Ø 14	4 X Ø 20	228	22°30'	80	M12	50	M10	5.0
V2FS 200.	195	250	278	340	84	35	22 X 19	4 X Ø 14	4 X Ø 20	278	22°30'	80	M12	50	M10	6.5
V2FS 250.	245	300	328	390	84	35	22 X 19	8 X Ø 14	8 X Ø 20	325	11°15'	80	M12	50	M10	7.5
V2FS 300.	295	350	378	440	84	35	22 X 49	8 X Ø 14	16 X Ø 20	375	5°41'	80	M12	50	M10	9.0

Dimensions in mm



Actuator CP101

Our Butterfly Valves feature aluminium die-cast bodies and NBR rubber seals for excellent durability and sealing performance. The double identical flange design is compatible with flexible sleeve arrangements.

These valves can be fitted with CP101 pneumatic actuators or manual lever actuators and are ideal for powder and granule processing plants, including applications below silos, bins, hoppers, and screw conveyors.

Key Features:

- Exceptional strength and durability
- Easy installation and maintenance
- Smooth finish with premium appearance



Pressure Relief Valve

A Pressure Relief Valve (PRV) is a safety device designed to protect equipment and piping systems from excessive pressure. It automatically opens when the internal pressure exceeds a present limit, releasing excess fluid or gas to prevent damage, accidents, or system failure. Once the pressure returns to a safe level, the valve closes to maintain normal operation. PRVs are widely used in industries such as oil & gas, chemical processing, power plants, water treatment, and manufacturing.

Key Features

- Protects systems from overpressure
- Automatic opening and closing mechanism
- Available in various sizes and pressure ratings
- Durable construction for long service life
- Suitable for liquids, gases, and steam



Vibrating bin aerator

Our Vibrating Bin Aerators are specially designed to promote smooth material flow in storage bins, silos, and hoppers. By combining gentle vibration with efficient aeration, they prevent material bridging, rat-holing, and clumping, ensuring a consistent and reliable discharge of bulk materials. Constructed from high-quality, durable materials, these aerators provide long-lasting performance while reducing downtime and maintenance costs.

Easy to install and clean, they are ideal for use in industries such as agriculture, cement, chemicals, food processing, and pharmaceuticals, where uninterrupted material handling is critical.



Key Benefits

- Promotes continuous and uniform material flow
- Prevents bridging, rat-holing, and blockages
- Reduces material waste and spoilage
- Heavy-duty, durable design for long service life
- Simple installation and low maintenance
- Compatible with different bin sizes and materials

Hanger Bearings

Our Hanger Bearings are engineered to provide robust support and smooth rotation for shafts in various industrial applications. Designed for easy installation and maintenance, they ensure reliable performance under heavy loads and continuous operation.

Ideal for use in conveyors, screw feeders, and other rotating equipment, these bearings help reduce friction, prevent misalignment, and extend equipment life.

Key Features:

- Durable and heavy-duty construction
- Easy to install and maintain
- Ensures smooth and efficient operation

Key Advantages:

- Enhanced equipment lifespan due to reduced wear and tear
- Improved operational efficiency through minimal friction and precise alignment
- Versatile application across multiple industrial systems
- Reliable performance under continuous and heavy-duty operation



Bottom Dust Collector

The Bottom Dust Collector is engineered to efficiently capture and manage dust in industrial processing systems. Built with robust materials and a user-friendly design, it ensures smooth operation, minimal clogging, and effective dust handling.

Ideal for installation at the bottom of silos, bins, and hoppers, it enhances dust control, reduces material wastage, and improves overall process efficiency.

Key Features:

- Durable and low-maintenance design
- Easy installation and handling
- Optimizes material flow and dust collection



Top Dust Collector

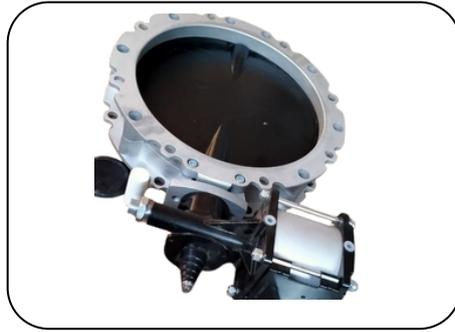
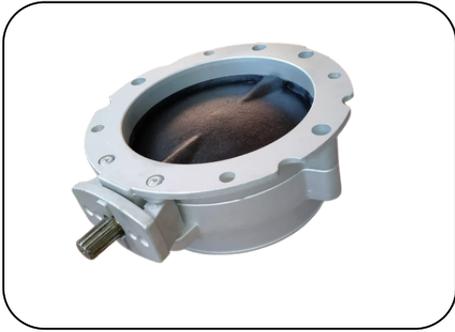
Engineered for versatility and performance, these cylindrically shaped dust filters are designed to mount seamlessly atop silos or be installed at ground level with an integrated electric blower and dust collection hopper. With a filtering capacity of 24 sqm, they offer robust air purification for high-volume pneumatic conveying systems. At the heart of the filtration process are POLYPLEAT round-type filter elements, which efficiently separate dust from the airflow, ensuring minimal emissions and optimal air quality. The compact design and high-efficiency media make these filters a global favorite for bin and silo venting applications.

Features of Dust collectors

- Weather protection fibre cover with Hinges and self locking when open with air spring.
 - Robust Stainless steel Body (SS304) with Bottom flange and powder coated carbon steel bottom ring for welding on silo.
 - Ex-stock delivery.
- ✓ Easy to maintain
 - ✓ Long life
 - ✓ Premium quality



Products Gallery



AK ENGINEERING

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