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**INDUSTRIAL VALVE &
AUTOMATION SOLUTIONS**

VALVES | AUTOMATION | ENGINEERING | INDUSTRY



www.alisvalves.com

PNEUMATIC POWDER DIVERTER VALVES

Reliable Flow Control for Bulk Solids



135° POWDER DIVERT VALVE

PRODUCT OVERVIEW

ALIS 135° Powder Divert Valve is designed for efficient flow diversion of dry powders, granules and bulk solids in pneumatic conveying systems. The 135° flow path ensures smooth material transfer with minimal wear, low pressure drop and reliable sealing performance. It is widely used in cement, mining, chemical, food, pharmaceutical and other bulk material handling industries.

-  135° FLOW DIRECTION
-  ROBUST DESIGN FOR ABRASIVE MEDIA
-  TIGHT SEALING PERFORMANCE
-  SUITABLE FOR POWDER & GRANULES
-  CUSTOM SIZES AVAILABLE



TYPICAL APPLICATIONS



CEMENT & MINING



CHEMICAL & PROCESS



FOOD & BEVERAGE



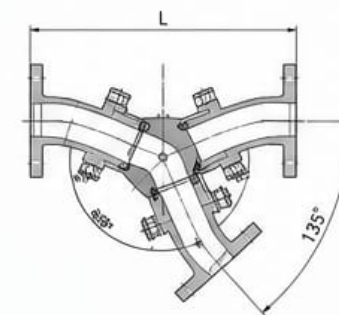
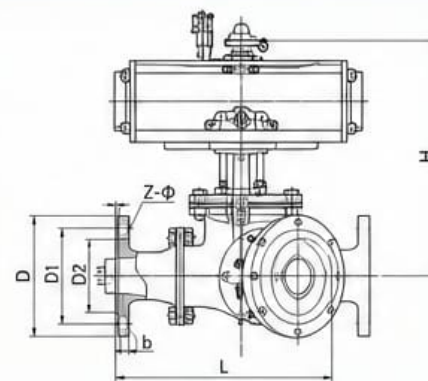
PHARMACEUTICAL



PLASTICS & POLYMERS

135° POWDER DIVERT VALVE

PRODUCT STRUCTURE & DIMENSION



FLOW CONFIGURATION

AT 45°



Position 1



Position 2

AT 90°

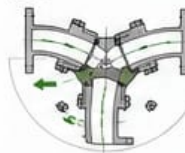


Position 1

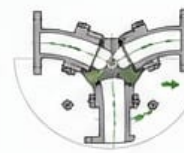


Position 2

AT 0°



Position 1



Position 2

AT 90°



Position 1



Position 2

DIMENSION TABLE

Unit: mm

DN	L	D	D1	D2	b	f	Z-Φ
40	348	150	110	85	16	2	4-18
50	345	165	125	100	16	2	4-18
65	400	185	145	120	18	2	4-18
80	428	200	160	135	20	2	8-18
100	457	220	180	155	20	2	8-18
125	550	250	210	185	22	2	8-18
150	665	285	240	210	24	2	8-23
200	810	340	295	265	26	2	12-23

POWDER DIVERTER VALVE

PRODUCT OVERVIEW

ALIS Powder Diverter Valve is designed for efficient diverting and distribution of dry powders, granules and bulk solids in pneumatic conveying systems. The robust construction ensures smooth material transfer with minimal wear, low pressure drop and reliable sealing performance. It is widely used in cement, chemical, food, pharmaceutical and other bulk material handling industries.

-  EFFICIENT FLOW DIVERSION
-  ROBUST DESIGN FOR ABRASIVE MEDIA
-  RELIABLE SEALING PERFORMANCE
-  SUITABLE FOR POWDERS & GRANULES
-  CUSTOM SIZES AVAILABLE



TYPICAL APPLICATIONS



CEMENT & MINING



CHEMICAL & PROCESS



FOOD & BEVERAGE

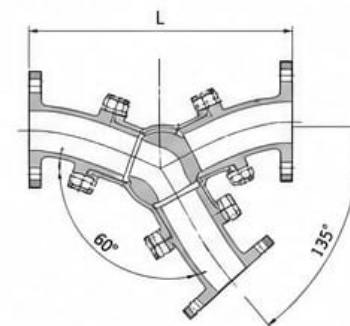
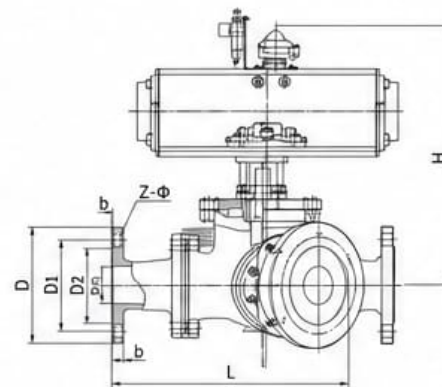


PHARMACEUTICAL



PLASTICS & POLYMERS

PRODUCT STRUCTURE & DIMENSIONS



FLOW CONFIGURATIONS

AT 45°

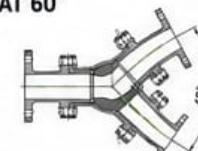


Position 1

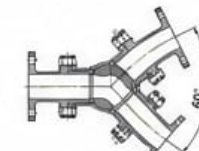


Position 2

AT 60°



Position 1



Position 2

AT 90°



Position 1

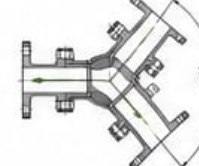


Position 2

AT 120°



Position 1



Position 2

DIMENSION TABLE

Unit: mm

DN	L	D	D1	D2	b	f	Z-Φ
40	174	150	110	85	16	2	4-18
50	173	165	125	100	16	2	4-18
65	200	185	145	120	18	2	4-18
80	214	200	160	135	20	2	8-18
100	228	220	180	155	20	2	8-18
125	275	250	210	185	22	2	8-18
150	333	285	240	210	24	2	8-23
200	405	340	295	265	26	2	12-23

GRANULE MATERIAL DIVERTER VALVE

PRODUCT OVERVIEW

ALIS Granule Material Diverter Valve is designed for diverting and distributing granular materials in pneumatic conveying systems. The robust construction ensures smooth material flow, low pressure drop and reliable operation, making it suitable for plastic pellets, PVC granules, powders and other bulk solids.



SUITABLE FOR
GRANULES & POWDERS



ROBUST CONSTRUCTION
FOR ABRASIVE MEDIA



RELIABLE SEALING
PERFORMANCE



PNEUMATIC ACTUATION
FOR AUTOMATION



CUSTOM SIZES
AVAILABLE



TYPICAL APPLICATIONS



CEMENT & MINING
INDUSTRY



CHEMICAL & PROCESS
INDUSTRY

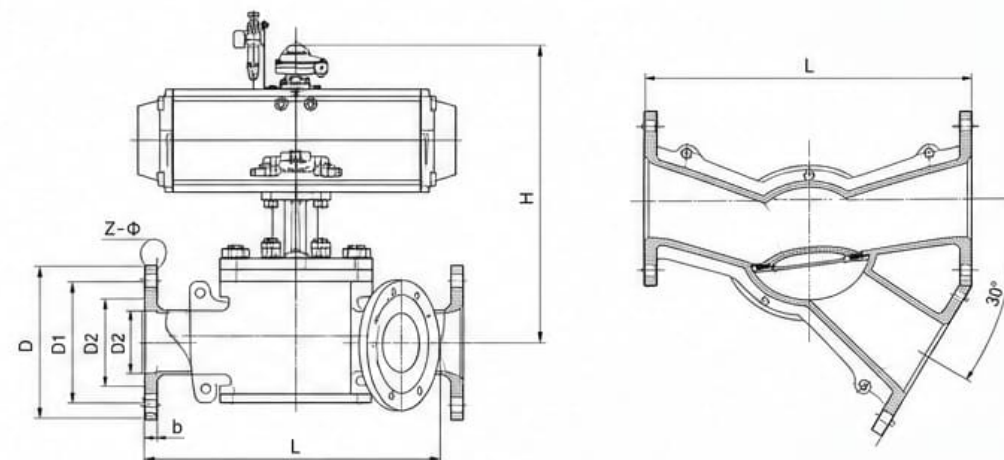


PLASTICS & POLYMERS
INDUSTRY



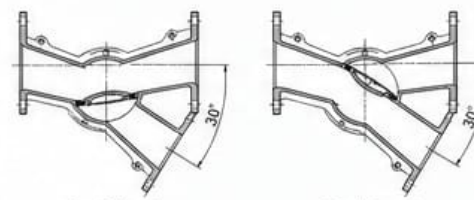
FOOD & PHARMACEUTICAL
INDUSTRY

PRODUCT STRUCTURE & DIMENSIONS



FLOW CONFIGURATION (30°)

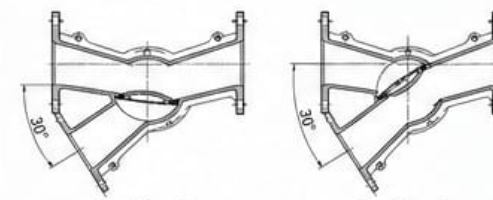
Right 30°



Position 1

Position 2

Left 30°



Position 1

Position 2

DIMENSION TABLE

Unit: mm

DN	L	D	D1	D2	b	f	Z-Φ
40	300	150	110	85	14	2	4-18
50	300	125	125	100	14	2	4-18
65	320	185	145	120	16	2	4-18
80	360	200	160	135	16	2	8-18
100	400	220	180	155	18	2	8-18
125	400	250	210	185	18	2	8-18
150	480	285	240	210	20	2	8-23
200	565	340	295	265	22	2	12-23

120° DIVERTING VALVE

PRODUCT OVERVIEW

ALIS 120° Diverting Valve is designed for efficient diverting and distribution of bulk solids, powders and granular materials in pneumatic conveying systems. The robust construction ensures smooth material flow with minimal wear, tight sealing performance and reliable operation in demanding applications.

-  SUITABLE FOR POWDERS & GRANULES
-  ROBUST CONSTRUCTION FOR ABRASIVE MEDIA
-  TIGHT SEALING PERFORMANCE
-  PNEUMATIC ACTUATION FOR AUTOMATION
-  CUSTOM SIZES AVAILABLE



TYPICAL APPLICATIONS



CEMENT & MINING
INDUSTRY



CHEMICAL & PROCESS
INDUSTRY



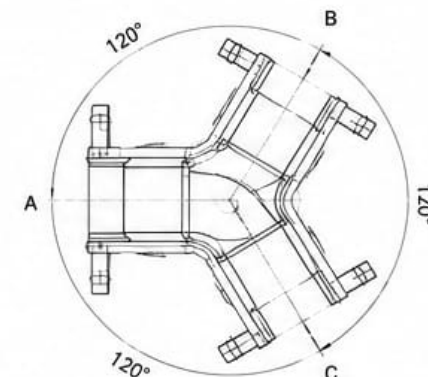
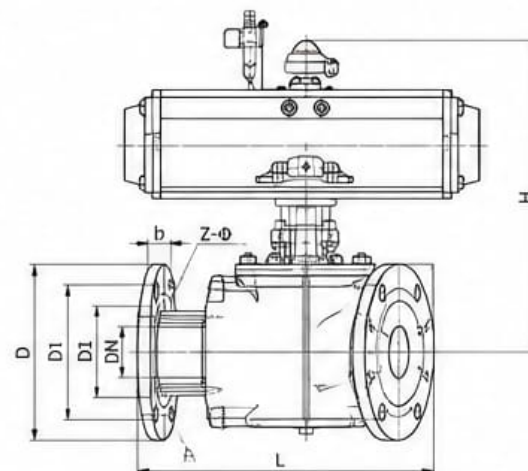
PLASTICS & POLYMERS
INDUSTRY



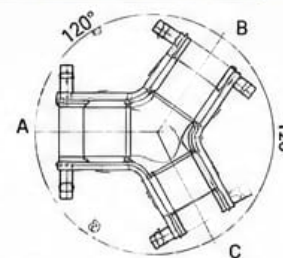
FOOD & PHARMACEUTICAL
INDUSTRY

120° DIVERTING VALVE

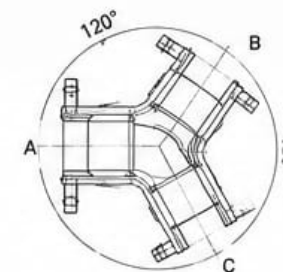
PRODUCT STRUCTURE & DIMENSIONS



FLOW CONFIGURATION (120°)



Position 1



Position 2

DIMENSION TABLE

Unit: mm

DN	L	D	D1	D2	b	f	Z-Φ
25	95	115	85	65	16	2	4-14
40	110	150	110	85	16	2	4-18
50	110	160	125	100	16	2	4-18
65	130	180	145	120	18	2	4-18
80	148	195	160	135	20	2	8-18
100	160	215	180	155	20	2	8-18
125	190	245	210	185	22	2	8-18
150	210	280	240	210	24	2	8-23
200	320	340	295	265	26	2	12-23
250	380	405	355	320	30	3	12-25

COMPANY OVERVIEW

ALIS Valves is a manufacturer and supplier of high performance industrial valves for demanding applications. Our product range includes diverter valves, control valves, ball valves, butterfly valves and complete automation solutions, serving industries such as cement, chemical, pharmaceutical, food & beverage, mining and other process industries.

We focus on reliable quality, customised solutions and responsive support to meet our customers' processing and flow control requirements.



APPLICATION IN LITHIUM BATTERY RAW MATERIAL HANDLING

ALIS L type / T type diverter valves are widely used in pneumatic conveying systems for lithium battery raw materials such as lithium carbonate, lithium hydroxide and related powders and granules. These valves ensure smooth and reliable material distribution between multiple lines with minimal wear, tight sealing and long service life.

AVAILABLE FLOW CONFIGURATIONS



L TYPE (90°)



T TYPE (120°)



Y TYPE (60°)



Y TYPE (45°)

PRODUCT DETAILS



PRECISION MACHINING



CERAMIC LINED INNER SURFACE
(OPTIONAL)



ROBUST CONSTRUCTION

LITHIUM BATTERY RAW MATERIAL DIVERTER VALVE

RELIABLE | WEAR RESISTANT | CUSTOMISED SOLUTIONS

ALIS Diverter Valve is specially designed for pneumatic conveying of lithium battery raw materials and other fine powders. The robust construction with wear resistant materials such as ceramic lining ensures long service life, tight sealing and reliable operation in demanding applications.

FOR LITHIUM BATTERY
RAW MATERIAL HANDLING

-  SUITABLE FOR FINE POWDERS & GRANULES
-  WEAR RESISTANT CONSTRUCTION (CERAMIC LINING OPTIONAL)
-  TIGHT SEALING & RELIABLE OPERATION
-  MULTI-PORT FLOW CONFIGURATIONS (L / T / Y TYPE)
-  MANUAL / PNEUMATIC / ELECTRIC ACTUATION



TYPICAL APPLICATIONS



LITHIUM BATTERY
MATERIALS



CHEMICAL & PROCESS
INDUSTRY



CEMENT & MINING
INDUSTRY



FOOD & PHARMACEUTICAL
INDUSTRY

Three-Way Diverting Valve for Pneumatic Conveying of Powder & Granular Materials



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