

# Spare Parts for Fluid System



EDITION FOR  
ABCO CATALOG



# Catalog



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## Model 186 safety valve/back pressure valve

### Product description

#### Safety valve

The diaphragm and valve core are pressed against the valve seat by the internal spring. When the pressure in the system pipeline exceeds the preset pressure, the diaphragm and the min core are pushed up, and the medium is discharged to the return pipe and container, which can be adjusted on site The screw uses the pressure gauge in the pipeline to set the pressure in the range of 0-1.0Mpa. The relief pressure is generally set to be higher than the system pressure 0.1-0.2Mpa. The pressure adjustment of the safety valve is not allowed to exceed the maximum pressure of the pump. The installation is generally as close as possible to the pump. At the outlet, there should be no valve between the pump and the safety valve to protect the safety of the pump and the normal operation of the system.

#### Back pressure valve

Installed on the positive pressure discharge pipeline of the metering pump or diaphragm pump to prevent the occurrence of siphon phenomenon, eliminate the change of the dosage due to the pressure fluctuation of the dosage point, so as to ensure the dosage accuracy of the pump. Cap, rotate the adjusting screw, adjust to the required pressure with the help of the pressure gauge in the pipeline, and set the back pressure in the range of 0-0.6Mpa through the adjusting screw. Used in conjunction with a pulse damper to reduce water hammer damage to the system, maintain a certain constant pressure from the pump outlet to the back pressure valve, and keep the system flow rate constant.

#### Features

- ※ Release the pipeline pressure to ensure the stability of the system pressure;
- ※ Protect the safety of the pump and the normal operation of the system;
- ※ Used in conjunction with a pulse damper to reduce the harm of water hammer to the system and achieve superior low-vibration adjustment effects;
- ※ Reduce the peak value of flow rate fluctuations and protect the pipeline system from pressure fluctuations;
- ※ The diaphragm adopts advanced PTFE+rubber compound technology, which is suitable for almost all corrosive fluids, and the sealing is reliable and leak-free.



•UPVC •CPVC •PVDF •PP •SUS316L

## Technical Parameters

Material: UPVC, PP, CPVC, PVDF, SUS304, SUS316L;

Working pressure: 0-1.0MPa, 0.2-1.6MPa

Caliber size: DN15, DN20, DN25, DN32, DN40, DN50, DN65;

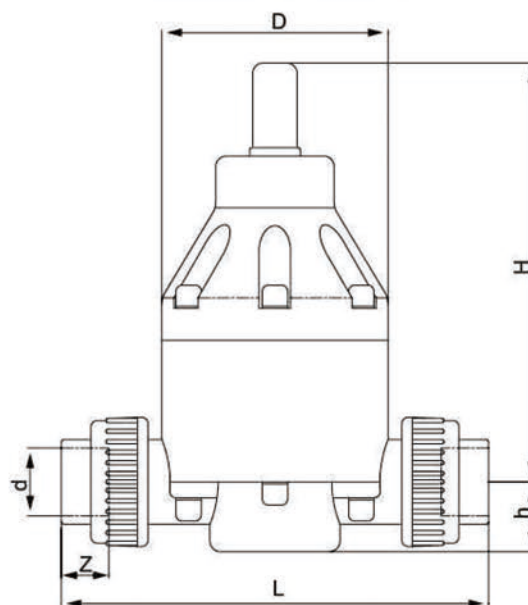
Connection method: bonding, hot melt welding, threaded, flange;

Diaphragm material: PTFE+rubber composite.

## Size table

Model	Size	L	H	D	d	z	h
18615	DN15	165	181	82	20	21	27
18620	DN20	166	181	82	25	21	27
18625	DN25	210	180	107	32	26	33
18632	DN32	221	180	107	40	26	35
18640	DN40	285	260	155	50	31	60
18650	DN50	355	260	155	63	39	60
18665	DN65	376	260	155	75	41	65

## Dimensions drawing



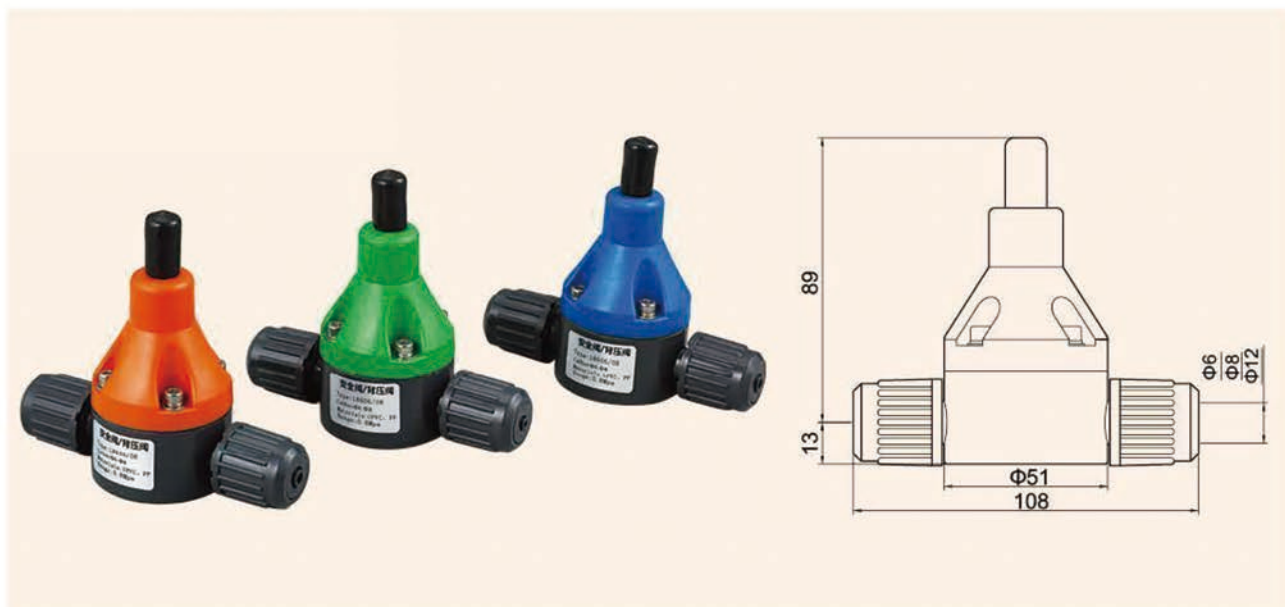
## 186 hose type safety valve/back pressure valve

### Material

UPVC, PP, CPVC, PVDF

### Hose specification

Φ6、Φ8、Φ12



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### 186-F type safety valve/back pressure valve

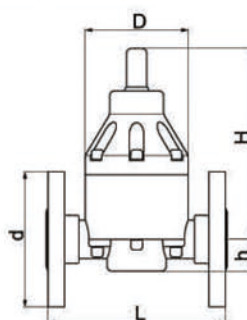
#### Material

UPVC, PP, CPVC, PVDF, SUS304, SUS316L

#### Size table

Model	Size	L	D	H	h	d
18615-F	DN15	128	82	181	27	95
18620-F	DN20	130	82	181	29	105
18625-F	DN25	197	107	180	33	140
18632-F	DN32	197	107	180	35	140
18640-F	DN40	220	155	260	60	150
18650-F	DN50	225	155	260	60	165
18665-F	DN65	238	155	260	65	185

#### Dimensions



### 186-B type safety valve/back pressure valve

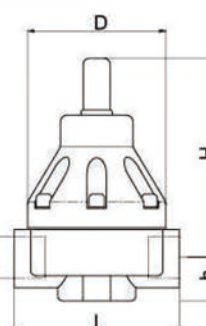
#### Material

Stainless steel SUS304, SUS316L

#### Size table

Model	Size	L	D	H	h	G
18615-B	DN15	94	82	140	23	G1/2"(internal) thread
18620-B	DN20	95	82	140	23	G3/4"(internal) thread
18625-B	DN25	121	107	160	26	G1"(internal) thread
18632-B	DN32	121	107	160	26	G1 1/4"(internal) thread
18640-B	DN40	181	155	207	32	G1 1/2"(internal) thread
18650-B	DN50	181	155	207	32	G2"(internal) thread

#### Dimensions





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## 286 type Y filter

### Product description

The plastic Y-type filter is an indispensable device on the pipeline for conveying fluid, and it is usually installed at the inlet of the pump and Langmen or other equipment. Used to filter impurities in the fluid to protect the normal use of valves, pumps and equipment.

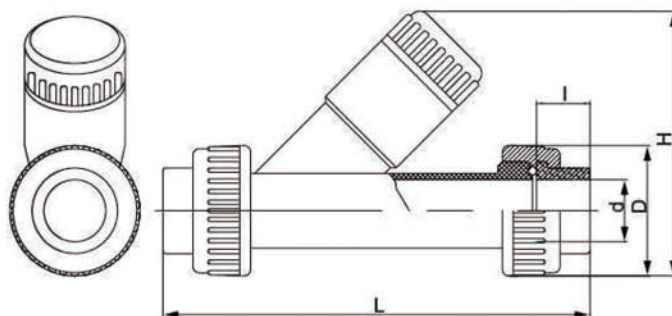
Material: UPVC, CPVC, PPH, PVDF, SUS304, SUS316L

Filtration accuracy: 12 mesh, 20 mesh, 40 mesh

### Features

- ※ High chemical stability, meet the requirements of acid and alkali chemical transportation;
- ※ Easy to rinse, when too many impurities accumulate in the filter, the filter can be taken out and cleaned;
- ※ Transparent and visible, easy to observe.

### Dimensions drawing



Size table

Model	Size	L	d	D	l	H
28615	DN15	175	20	45	18	103
28620	DN20	187	25	53	21	107
28625	DN25	205	32	62	26	124.4
28632	DN32	240	40	73	26	165
28640	DN40	258	50	84	31	172
28650	DN50	292.6	63	104	37	204
28665	DN65	420	75	127	42	245
28680	DN80	430	90	151	50	260
286100	DN100	450	110	170	60	280



## LGMZ type diaphragm pulse damper

### Product description

Pulsation damper, also known as pulsation damper and pulsation buffer, is a common component to eliminate pipeline pulsation and an accessory that must be equipped with metering pumps. The pulsation damper can smooth the pulsation of the pipeline and the water hammer of the system caused by the metering pump, diaphragm pump and other positive displacement pumps. It is separated from the gas and the liquid in the pipeline by a corrosion-resistant diaphragm, and the pipeline pulsation is smoothed by the change of the volume of the gas chamber.

Shell material: PVC, PP, PVDF, SUS304, SUS316L, etc.

Diaphragm material: PTFE, FPM, EPDM, NBR.

### Features

- ※ Reduce the harm of water hammer to the system.
- ※ Reduce the peak value of flow rate fluctuations.
- ※ Protect pipelines, valves and joints from the impact of pressure fluctuations.
- ※ Create a good working environment for metering pumps and improve pump performance.
- ※ Allow the system to use a smaller pipe diameter and reduce costs.
- ※ Used in conjunction with a back pressure valve, etc., the pressure fluctuation of the pipeline can be close to zero.
- ※ Reduce the energy consumption of the system.

### Volume selection of diaphragm damper

The hourly flow rate of the pump ÷ 60 ÷ the number of strokes per minute of the pump × 15 = the minimum volume actually required by the damper, that is, the metering capacity (ml) of each stroke of the metering pump (or diaphragm pump) multiplied by 15 can be obtained. The minimum volume of the damper required to reduce the pulse by 90%.

Note: (This calculation method is suitable for single-head pulse pumps, and multi-head pumps are discussed separately.)

### Working principle

According to Boyle's law  $P_1 V_1 = P_2 V_2$ , the volume of the gas is inversely proportional to the pressure of the gas, and the pulsation of the pipeline is smoothed by changing the volume of the gas. For the system that has a sinusoidal flow velocity, the peak time: the volume of the air chamber becomes smaller, and the pulse damper absorbs excess flow liquid; the trough time: the volume of the air chamber becomes larger, and the stored liquid is released, so as to achieve the effect of smooth pulsation.

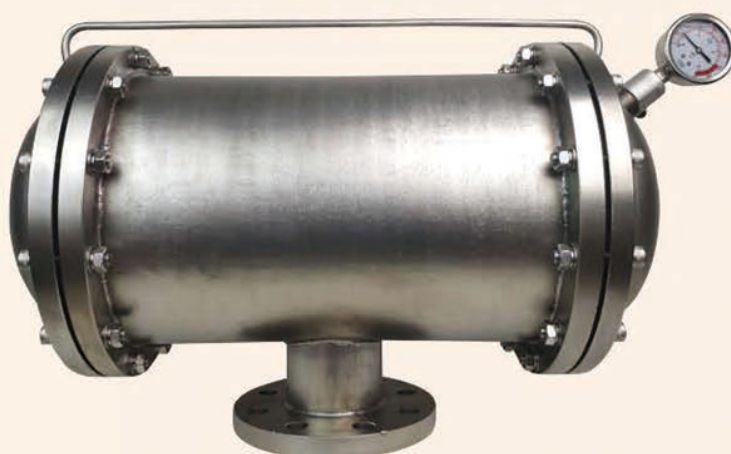
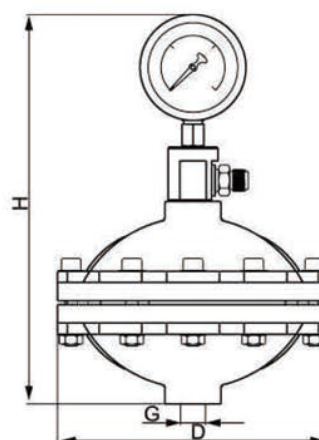


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Size table

Model	Volume (L)	H(mm)	D(mm)	Caliber	Rated pressure MPa	Connection method
LGMZ-0.35	0.35	215	Φ 140	DN15	1.6	Internal thread 1/2"
LGMZ-0.6	0.6	235	Φ 174	DN20	1.6	Internal thread 3/4"
LGMZ-1.0	1.0	260	Φ 210	DN25	1.6	Internal thread 1"
LGMZ-1.5	1.5	308	Φ 230	DN25	1.6	Internal thread 1"
LGMZ-2.0	2.0	330	Φ 280	DN32	1.6	Internal thread 1 1/4"
LGMZ-4.0	4.0	370	Φ 306	DN40/ DN50	1.6	Internal thread 1 1/2", 2"

Dimensions

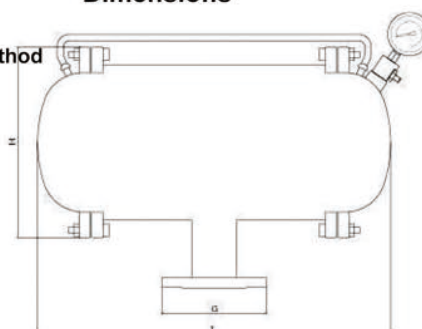


## LGMZ double diaphragm pulse damper

Size table

Model	Volume (L)	H(mm)	L(mm)	Caliber (G)	Connection method
LGMZ-10	10	260	480	DN40	Flange
LGMZ-12	12	300	360	DN40/50	Flange
LGMZ-16	16	300	460	DN40/50	Flange
LGMZ-20	20	300	560	DN50/65	Flange

Dimensions



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## LGMQ airbag pulsation damper

### Shell material

UPVC、PP、PVDF、SUS304、SUS316L

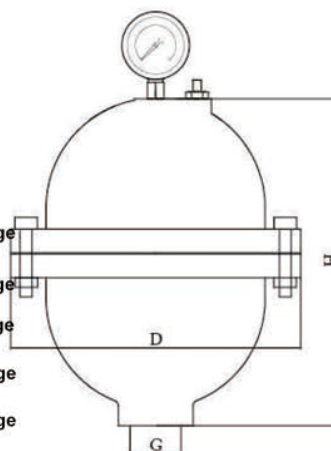
### Airbag material

FPM , EPDM , NBR .

### Dimension drawing

### Size table

Model	Volume (L)	H(mm)	D(mm)	Caliber	Connection method
LGMQ-0.35	0.35	192	134	DN15	Youling socket·Thread·Flange
LGMQ-0.6	0.6	202	135	DN20	Youling socket·Thread·Flange
LGMQ-1.0	1.0	235	158	DN25	Youling socket·Thread·Flange
LGMQ-1.5	1.5	288	158	DN25	Youling socket·Thread·Flange
LGMQ-2.0	2.0	338	158	DN32	Youling socket·Thread·Flange
LGMQ-3.0	3.0	280	230	DN32	Youling socket·Thread·Flange
LGMQ-4.0	4.0	285	250	DN40	Youling socket·Thread·Flange
LGMQ-5.0	5.0	385	250	DN40/50	Youling socket·Thread·Flange
LGMQ-6.0	6.0	485	250	DN40/50	Youling socket·Thread·Flange



### Volume selection of bladder damper

That is, the metering capacity (ml) of each stroke of the metering pump (or diaphragm pump) is multiplied by 12 to obtain the minimum volume of the damper required to reduce 90% of the pulse.



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## LGMK type air chamber pulse damper

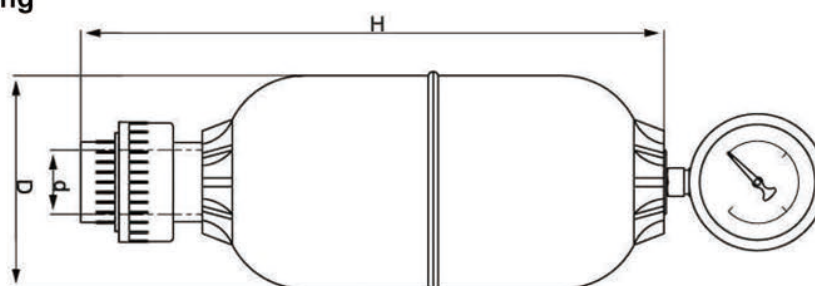
### Features

- ※ Simple structure, economical
- ※ UPVC material, superior corrosion resistance
- ※ Attached diaphragm pressure gauge to avoid corrosion of the pressure gauge

### Volume selection of air damper

Multiply the metering capacity (ml) of each stroke of the metering pump (or diaphragm pump) by 26 to get the required minimum volume of the pulse damper.

### Dimension drawing



### Size table

Model	Volume (L)	H(mm)	d(mm)	D(mm)	Caliber	Rated pressure MPa
LGMK-0.6	0.6	201	20	85	DN15	1.0
LGMK-0.9	0.9	280	25	100	DN20	1.0
LGMK-1.2	1.2	292	32	110	DN25	1.0
LGMK-2.2	2.2	316	40	130	DN32	1.0
LGMK-3.2	3.2	323	50	162	DN40	1.0
LGMK-5.0	5.0	446	50	162	DN40	1.0
LGMK-10	10	760	63	162	DN50	1.0

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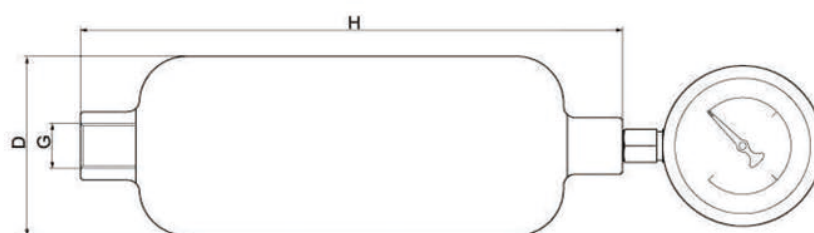


## LGMK-B type air chamber pulse damper

### Material

SUS304、SUS316L

### Dimension drawing



### Size table

Model	Volume (L)	H(mm)	D(mm)	G	Pressure level MPa
LGMK-B-0.8	0.8	246	76	G 1/2"(Internal thread)	1.6
LGMK-B-1.2	1.2	260	89	G 3/4"(Internal thread)	1.6
LGMK-B-2.0	2.0	300	114	G 1"(Internal thread)	1.6
LGMK-B-3.5	3.5	340	133	G 1 1/4"(Internal thread)	1.6
LGMK-B-4.0	4.0	370	133	G 1 1/2"(Internal thread)	1.6



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## LGBD type flow calibration column

### Product description

The flow calibration column is widely used in the flow calibration of metering pumps and dosing devices, and can accurately calibrate the output flow of the metering pump. The flow calibration column is also called the flow calibration tube, the main material: transparent UPVC, PVDF (translucent). Connection methods include internal thread, external thread, and flange.

### Flow calibration column selection

The selection of the flow calibration column is determined according to the pump's use flow and calibration time requirements. For example, the flow rate of the pump is 60L/h, and the customer needs to calibrate the flow rate of 0.5-1min, then the calculated flow rate per minute should be  $60L \div 60 = 1L$ , then you can choose to use a calibration column with a volume of 1L. Press for 30 seconds to make 0.5L volume.

Model	Capacity(ml)	D(mm)	H(mm)	Conventional connection method (can be customized as required)
LGBD-100	100	32	280	Internal thread 1/2"
LGBD-200	200	40	320	Internal thread 1/2"
LGBD-300	300	50	320	Internal thread 1/2"
LGBD-400	400	50	400	Internal thread 1/2"
LGBD-500	500	63	350	Internal thread 1/2"
LGBD-1000	1000	63	455	Internal thread 1/2"
LGBD-2000	2000	75	805	Internal thread 3/4"
LGBD-3000	3000	110	640	Internal thread 1"
LGBD-4000	4000	110	760	Internal thread 1"
LGBD-6000	6000	110	1000	Internal thread 1 1/2"
LGBD-8000	8000	140	935	Internal thread 1 1/2"
LGBD-10000	10000	140	1110	Internal thread 2"

•UPVC •CPVC •PVDF •PP •SUS316L



## Model 786 diaphragm pressure gauge

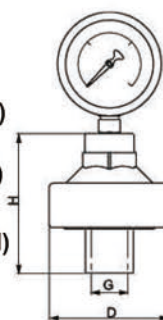
### Structure principle

Diaphragm pressure gauge is a closed system consisting of diaphragm body and pressure gauge, filled with sealing liquid. When pressure acts on the diaphragm, the diaphragm is deformed. The sealing liquid transmits the force to the elastic component in the pressure gauge head, and the pressure value is displayed by the pressure gauge head. The force transmission of the diaphragm pressure gauge is completed by the liquid filled between the inside of the diaphragm body and the Bourdon tube. The elastic element is also the Bourdon tube. The diaphragm separates the corrosive fluid from the pressure gauge, thereby preventing it from corrosion.

### Size table

Model	Material	Material	D(mm)	H(mm)	Interface size (G)
786-U	UPVC	FPM, PTFE	79	84	DN15, DN20, DN25 socket G1/2", G1/4", G 3/8" ( internal thread) M20 × 1.5 ( external thread)
786-P	PP	FPM, PTFE	79	84	G1/2", G1/4", G 3/8" ( internal thread) M20 × 1.5 ( external thread)
786-V	PVDF	PTFE	79	84	G1/2", G1/4", G 3/8" ( internal thread) M20 × 1.5 ( external thread)
786-S	304/316	PTFE	74	77	G1/2", M20 × 1.5 ( external thread)

### Dimensions



## Diaphragm connector





## Function introduction of dosing system accessories

The dosing system accessories mainly include back pressure valve, safety valve, pulsation damper, flow calibration column, Y-type filter, check valve, bottom valve, etc.

**Back pressure valve:** The main function is to stabilize the pipeline pressure, prevent siphoning, backflow, self-flow and other phenomena, and balance the flow.

**Safety valve:** used to protect the piping system and prevent the metering pump and the system from overpressure.

**Pulse damper:** used to reduce the pulsation generated when the metering pump is working, stabilize the pipeline pressure, and protect the precision of the instrument.

**Flow calibration column:** used to calibrate and detect the flow of the metering pump.

**Y-type filter:** used to filter impurities in the pipeline to prevent

## How to adjust the safety valve and back pressure valve

One. How to adjust the back pressure valve?

1. Never exceed the maximum working pressure of the metering pump.

2. When the metering pump has pressure on the suction side, the pressure on the discharge side of the pump should be at least 1 bar higher than the pressure on the suction side.

Two, how to set the pressure of the safety valve?

The pressure of the safety valve can be adjusted within the rated working pressure range of the metering pump, and it is not allowed to exceed the maximum working pressure of the metering pump. Generally, the set pressure of the safety valve is 1-2 bar higher than the set pressure of the back pressure valve. The safety valve is designed to prevent overpressure operation of the metering pump.

## Precautions for the use of pulsation damper

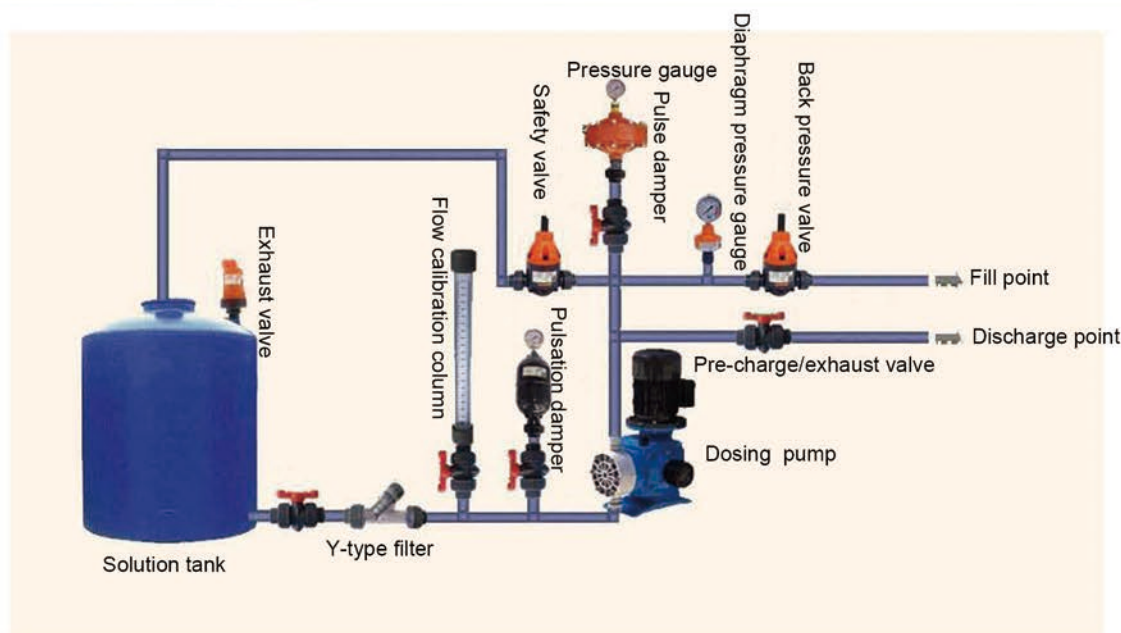
The highest working pressure of the diaphragm pulse damper: PVC PP material is 1.6MPa, it is forbidden to use overpressure to avoid the danger of shell rupture. The best use temperature is 10-45°C, PVDF, SUS304 can withstand higher temperature and higher pressure.

During installation, avoid collisions. Enough space should be reserved around the pulsation damper during installation to facilitate the pre-inflating body of the pulsation damper and future maintenance and adjustment. There should be a shock-absorbing material between the pulsation damper and the fixed bracket to absorb the vibration energy of the pulsation damper shell and prevent resonance.

Before use, pre-filled with sexual gas (ammonia or argon), the pressure is 50%-80% of the average pressure of the system. If it is installed at the outlet of the pump, it is recommended to pre-charge at 50% pressure. If it is installed at the inlet of the pump, it is recommended to pre-charge at 70%. If it is not used for a long time, the pre-inflator should be discharged to extend the life of the diaphragm. It is best not to pre-charge and oxidize Natural gas (such as oxygen), otherwise it will accelerate the oxidation rate of the diaphragm and reduce the service life of the diaphragm.

The pointer of the pressure gauge should swing slightly when in use. If the swing is too large, it means that the pre-inflator pressure is too small or the selection is too small. If it does not swing, it means the pre-inflator pressure is too high or the pipeline is blocked.

## Schematic diagram of dosing system installation







## Model 386 Plastic inlet and exhaust valve

### Product description

The air valve adopts positive pressure exhaust and negative pressure intake design, with exhaust and intake functions. The exhaust valve automatically discharges the small amount of air accumulated in the pipeline when the pipeline is under pressure. When the negative pressure pipe is emptied, the air is automatically fed to keep the water flowing smoothly. Especially when the water column is separated, it will automatically open, and air into the pipeline to eliminate the vacuum.

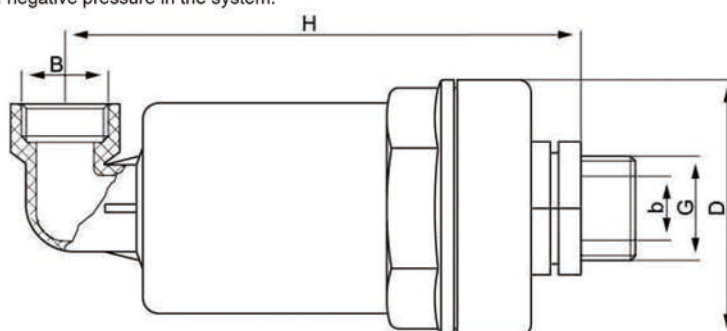
### Working principle

▲ System water injection: During the system water injection process, a large amount of air is discharged from the intake and exhaust ports. After the water enters the air valve chamber, the float ball closes the inlet and outlet ports as the liquid level rises. The aerodynamic valve body design and the floating ball anti-blow-up design can prevent the floating ball from being blown up by the high-speed airflow before the water enters the air valve and causing the exhaust port to close prematurely.

▲ System under pressure: When the system is under pressure, the intake and exhaust valves remain closed.

▲ System negative pressure state: When the system is emptied, a negative pressure difference is formed, the air pushes the float downwards, and the air enters the air valve to avoid the formation of negative pressure in the system.

### Dimensions



Size table

Model	Size	H	B	G	d	D
38615	DN15	165	G 3/4"	G 1/2"	12	80
38620	DN20	165	G 3/4"	G 3/4"	17	80
38625	DN25	165	G 3/4"	G 1"	20	80
38632	DN32	165	G 3/4"	G1 1/4"	20	81
38640	DN40	166	G 3/4"	G1 1/2"	40	81
38650	DN50	220	40	G2"	45	100

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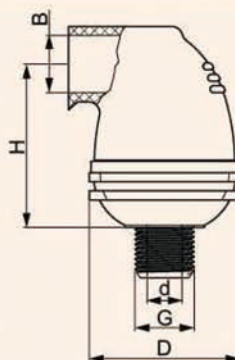
## Type 486 vacuum break valve

### Product description

The vacuum break valve can effectively solve the system damage caused by the vacuum siphon phenomenon. When the vacuum in the system reaches a certain value, the valve automatically opens, introduces air, eliminates the vacuum in the system, and protects the equipment and the system. The valve is always in the state of only air intake but not exhaust.

### Size table

Model	Size	H	B	G	d	D
48615	DN15	165	G 3/4"	G 1/2"	12	80
48620	DN20	165	G 3/4"	G 3/4"	17	80
48625	DN25	165	G 3/4"	G 1"	20	80
48632	DN32	165	G 3/4"	G1 1/4"	20	81
48640	DN40	166	G 3/4"	G1 1/2"	40	81
48650	DN50	220	40	G2"	45	100



## Model 387 automatic exhaust valve

Model	Size	H	B	G	d	D
38715	DN15	76	20	G1/2"	16.2	63
38720	DN20	76	25	G3/4"	18	63

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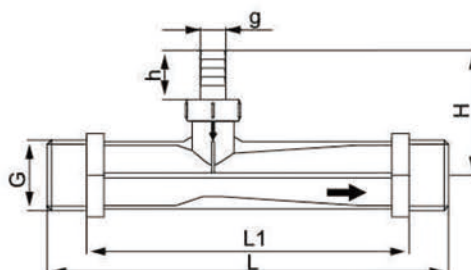
## Type 586 jet

### Working principle and purpose

Ejector (Venturi) is also called water ejector, which consists of four parts: nozzle, suction chamber, diffuser tube, and one-way valve. It is an automatic aerating and medicating equipment developed by the principle of jet negative pressure. The unique mixing chamber design forms a strong jet of water and gas (or liquid medicine) mixing. Refueling is balanced, high efficiency, compact product structure, simple management and maintenance, quick installation, reliable operation, can be started or stopped at any time, low energy consumption, and will not cause secondary pollution to the environment. Jets are widely used in water treatment, agricultural irrigation, ozone generators, chlorinating disinfection equipment, chemicals, aquaculture and other industries.

Material: UPVC, PP, PVDF

### Dimensions



### Size table

Model	G	L	L1	h	H	g
58608	G1/4" outer wire	113	88	16	43	Connect 1/4" hose
58615	G1/2" outer wire or 20mm	139	110	28	63	G1/4" external thread and 1/4" hose
58620	G3/4" outer wire or 25mm	157	111	28	63	G1/4" external thread and 1/4" hose
58625	G1" outer wire or 32mm	225	181	37	88	G1/2" external thread and 3/8" hose
58632	G1 1/4" outer wire or 40mm	230	185	37	88	G1/2" external thread and 3/8" hose
58640	G1 1/2" outer wire or 50mm	257	208	37	89	G1/2" external thread and 3/8" hose
58650	G2" outer wire or 63mm	295	228	40	70	G1 1/4" external thread
58665	G2 1/2" outer wire or DN65 flange	410	310	36	80	G1 1/4" external thread or DN32 flange
58680	DN80 flange	492	430	100	160	G1 1/2" external thread or DN40 flange

Note: G1/4" hose inner diameter is 8mm, G3/8" hose inner diameter is 12mm.



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## Type SK686 pipeline mixer

### Product description

SK type pipeline mixer is also called static mixer. It is an ideal equipment for instantaneous mixing of treated water and various agents. It can add various coagulants, coagulants, ozone, liquid chlorine and acid-base neutralization, gas and water. The mixing system, etc. have played very good results.

The product has the characteristics of fast and efficient mixing, simple structure, energy saving, and small size. Without the need of external force, the water flow passes through 6-8 mixing units and crosses and shunts each other. At the same time, the vortex rotates in reverse and continuously crosses the flow, which can instantly achieve a good mixing effect, and the mixing efficiency is as high as 90-95%.

Material: UPVC, PP, CPVC, PVDF, SUS304, SUS316L.

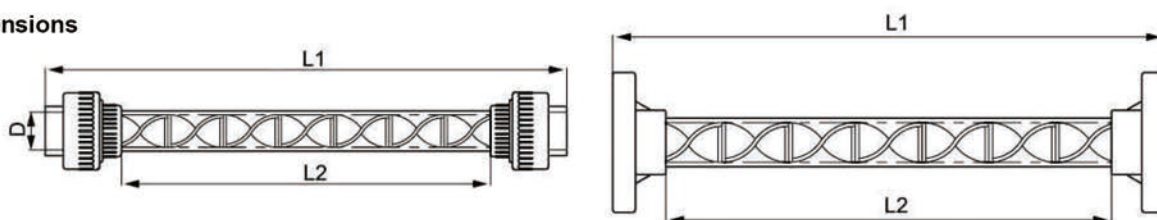
### Design reference

△ The dosing position of various medicaments should be at the front end of the pipeline mixer, and greater than 25cm, the effect is better when used in conjunction with the jet.

△ The pipeline for adding the agent can be designed according to the water supply and drainage standard, the flow velocity in the pipe should be greater than 0.9m/s, and the internal pressure of the pipe should be less than 1.6Mpa

△ The pipeline mixer is designed according to a specific caliber and water volume. Once the flow is reduced, the head loss will drop significantly, which will obviously affect the mixing effect.

### Dimensions



### Size table

Model	Diameter (DN)	D (mm)	L1 (mm)	L2 (mm)	Reference flow (m <sup>3</sup> /h)	Connection method
SK-68615	DN15 1/2"	20	252	156	0.4~1	Socket, wire mouth, flange
SK-68620	DN20 3/4"	25	330	225	0.6~1.8	Socket, wire mouth, flange
SK-68625	DN25 1"	32	420	292	1~3.2	Socket, wire mouth, flange
SK-68632	DN32 1 1/4"	40	495	336	1.4~6	Socket, wire mouth, flange
SK-68640	DN40 1 1/2"	50	565	406	2.2~10	Socket, wire mouth, flange
SK-68650	DN50 2"	63	695	497	3.5~20	Socket, wire mouth, flange
SK-68665	DN65 2 1/2"	75	900	642	10~60	Socket, flange
SK-68680	DN80 3"	90	880	770	15~80	Socket, flange
SK-686100	DN100 4"	110	990	850	30~120	Socket, flange
SK-686150	DN150 6"	160	955	800	90~190	Socket, flange
SK-686200	DN200 8"	225	1020	790	150~340	Socket, flange

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## Type 886 pneumatic ball valve

### Technical parameters and performance

Actuator parameters		Valve body parameters	
Type	Double acting piston type, spring return type	Nominal diameter	DN15-DN100
Air pressure	Double acting: 2-8bar/Single acting: 4-8bar	Nominal pressure	PN1.0MPa
Output torque	Double acting: 4N·M-10560N·M	Valve shaft material	UPVC、CPVC、PP、PVDF、ABS
	Single acting: 7N·M-2668N·M	Valve body material	UPVC、CPVC、PP、PVDF、ABS
Operating temperature	Normal temperature type: -20℃~80℃ (NBR O-ring)	Ball material	UPVC、CPVC、PP、PVDF、ABS
	High temperature type: -20℃~160℃ (Fluorine rubber O-ring)	Seat seal	PTFE、EPDM、FPM
Range of motion	0~90° ±5°	Temperature	UPVC < 60℃ PVDPC < 140℃ CPVC < 90℃ PP < 80℃
Interface thread	GTD40~GTD83/ATD50~ATD88 G1/8"	Connection method	Socket glue, flange, thread
	GTD110~GTD350/ATD100~ATD200 G1/4"	Applicable medium	Water and various corrosive fluids
Valve position signal	Locator: 4-20mA/Responder: fully open and fully closed signal	Features	Compact structure, small size, light weight, easy installation

#### Features

- ※ Gear type double piston, large output torque, small volume
- ※ The cylinder is made of aluminum alloy, which is light in weight and beautiful in appearance
- ※ Excellent corrosion resistance and aging resistance

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## Type 887 pneumatic butterfly valve

### Technical parameters and performance

Type	Double acting piston type, spring return type	Nominal diameter	DN50-DN300
Air pressure	Double acting: 2-8bar/Single acting: 4-8bar	Nominal pressure	PN1.0MPa
Output torque	Double acting: 4N·M-10560N·M	Valve shaft material	UPVC、CPVC、PP、PVDF、ABS
	Single acting: 7N·M-2668N·M	Valve body material	UPVC、CPVC、PP、PVDF、ABS
Operating temperature	Normal temperature type: -20℃~80℃ (NBR O-ring)	Ball material	UPVC、CPVC、PP、PVDF、ABS
	High temperature type: -20℃~160℃ (Fluorine rubber O-ring)	Seat seal	PTFE、EPDM、FPM
Range of motion	0~90° ± 5°	Temperature	UPVC < 60℃ PVDPC < 140℃ CPVC < 90℃ PP < 80℃
Interface thread	GTD40~GTD83/ATD50~ATD88 G1/8"	Connection method	Flange
	GTD110~GTD350/ATD100~ATD200 G1/4"	Applicable medium	Water and various corrosive fluids
Valve position signal	Locator: 4-20mA/Responder: fully open and fully closed signal	Features	Compact structure, small size, light weight, easy installation

### Features

- ※ Gear type double piston, large output torque, small volume
- ※ The cylinder is made of aluminum alloy, which is light in weight and beautiful in appearance
- ※ Excellent corrosion resistance and aging resistance



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## Type 986 electric ball valve

### Technical parameters and performance

Actuator parameters		Valve body parameters	
Power	AC110、220/380V/DC24/220V	Nominal diameter	DN15-DN100
Output torque	30N、50N、100N	Nominal pressure	PN1.0MPa
Optional function	Switch type, contact type, opening signal, intelligent type	Valve shaft material	UPVC、CPVC、PP、ABS
Range of motion	0~90° ± 5°	Valve body material	UPVC、CPVC、PPH、PP、ABS
Action time	15s/30s/60s	Seat seal	EPDM、NBR、FPM、PTFE
Ambient temperature	-30° ~60°	Temperature	UPVC < 65℃ PVDPC < 140℃ CPVC < 90℃ PP < 85℃
Manual operation	With handle operation	Applicable medium	Water and various corrosive fluids
Limit	Electrical and mechanical double limit	Features	Light weight, corrosion resistance, hygienic and non-toxic, low flow resistance
Protection level	IP-67 (Explosion-proof enclosure: Exd II BT4 IP67 optional)	Connection method	Adhesive socket, flange and thread buckle
Input signal	0-10,1-5VDC/4-20mA( intelligent)		
Signal feedback	Active signal S Passive signal		

### Features

- ※ Compact and beautiful appearance
- ※ Lighter weight, easy to install, smooth inner wall, low friction resistance
- ※ The material is hygienic, non-toxic, anti-aging, and corrosion-resistant

•UPVC •CPVC •PVDF •PP •SUS316L



## Type 987 electric butterfly valve

### Technical parameters and performance

Actuator parameters		Valve body parameters	
Power	AC110、220/380V/DC24/220V	Nominal diameter	DN50-DN300
Output torque	50N、100N、200N	Nominal pressure	PN1.0MPa
Optional function	Switch type, contact type, opening signal, intelligent type	Valve shaft material	UPVC、CPVC、PP、ABS
Range of motion	0~90° ±5°	Valve body material	UPVC、CPVC、PPH、PP、ABS
Action time	15s/30s/60s	Seat seal	EPDM、NBR、FPM、PTFE
Ambient temperature	-30° ~60°	Temperature	UPVC < 65℃ PVDPC < 140℃ CPVC < 90℃ PP < 85℃
Manual operation	With handle operation	Applicable medium	Water and various corrosive fluids
Limit	Electrical and mechanical double limit	Features	Light weight, corrosion resistance, hygienic and non-toxic, low flow resistance
Protection level	IP-67 (Explosion-proof enclosure: Exd II BT4 IP67 optional)	Connection method	Flange
Input signal	0-10,1-5VDC/4-20mA(intelligent)		
Signal feedback	Active signal S Passive signal		

### Features

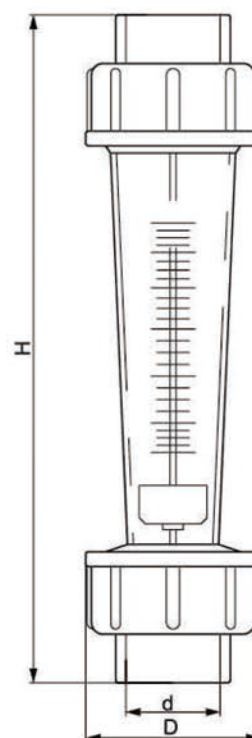
- ※ Compact and beautiful appearance
- ※ Lighter weight, easy to install, smooth inner wall, low friction resistance
- ※ The material is hygienic, non-toxic, anti-aging, and corrosion-resistant

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## LZS type float flowmeter

Model	Interface diameter	Measure range	D	d	H
LZS-15	DN15	4-40l/h	53	20	231
		6-60l/h			
		10-100l/h			
		16-160l/h			
		25-250l/h			
		40-400l/h			
		60-600l/h			
LZS-20	DN20	100-1000l/h	53	25	232
		40-400l/h			
		60-600l/h			
LZS-25	DN25	100-1000l/h	62	32	230
		160-1600l/h			
		250-2500l/h			
LZS-32	DN32	0.4-4m <sup>3</sup> /h	73	40	283
		0.6-6m <sup>3</sup> /h			
LZS-40	DN40	0.4-4m <sup>3</sup> /h	103	50	334
		0.6-6m <sup>3</sup> /h			
		1-10m <sup>3</sup> /h			
LZS-50	DN50	0.4-4m <sup>3</sup> /h	104	63	335
		0.6-6m <sup>3</sup> /h			
		1-10m <sup>3</sup> /h			
		1.6-16m <sup>3</sup> /h			
LZS-65	DN65	2.5-16m <sup>3</sup> /h	127	75	425
		5-25m <sup>3</sup> /h			
		8-40m <sup>3</sup> /h			
		12-60m <sup>3</sup> /h			
LZS-100	DN100	14-90m <sup>3</sup> /h	215	110	555
		20-120m <sup>3</sup> /h			
LZS-125	DN125	20-120m <sup>3</sup> /h	250/280	140/160	550
LZS-150	DN150	18-150m <sup>3</sup> /h			
		20-180m <sup>3</sup> /h			





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## LG65 type flow alarm switch



### Overview

The bistable switch can meet various requirements. The switch is stuck on the dovetail rail of the measuring tube, and the flow value can be set. The installation is simple, reliable, and easy to install on existing equipment.

### Application and function

#### LG650 upper limit

When the magnetic float is in the setting position of the alarm switch, the contact is closed. When the magnetic float is higher than the alarm switch setting position, the contact remains closed. When the magnetic float is lower than the setting position of the alarm switch, the contact is disconnected.

#### LG651 lower limit

When the magnetic float is in the setting position of the alarm switch, the contact is closed. When the magnetic float is lower than the alarm switch setting position, the contact remains closed. When the magnetic float is higher than the alarm switch setting position, the contact is disconnected.

### Related parameters

Working voltage:  $U_{max}=220VAC$

$U_{max}=220VDC/AC$

Working current:  $I_{mm}=0.5A$

$I_{mm}=0.1A$

Working power:  $P_{max}=10VA$

$P_{max}=1VA$

Forward resistance:  $<200M\Omega$

Insulation resistance:  $>10^9M\Omega$

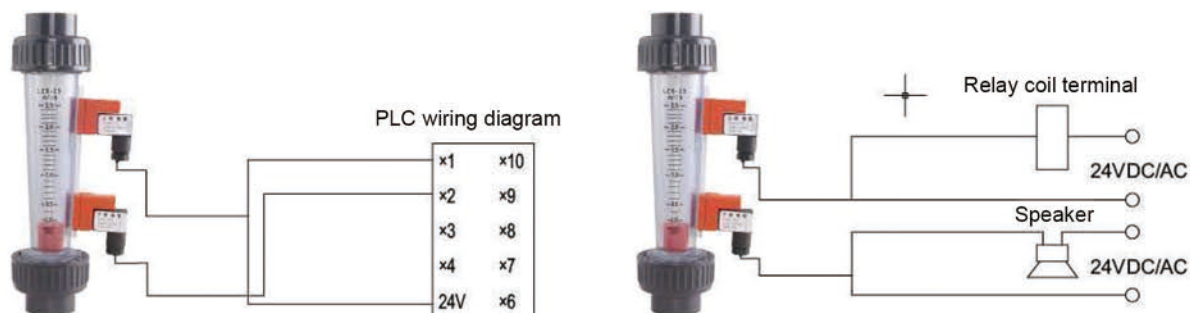
Working temperature:  $0^{\circ}C \sim 55^{\circ}C$

Protection level: IP65

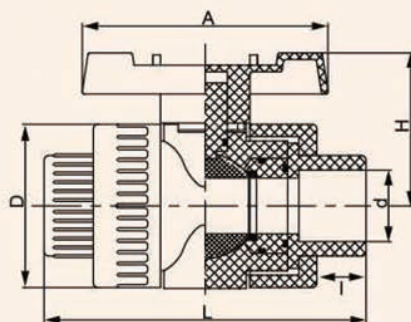
Delay distance: 4mm

Size: 42x 23 x45mm

### Installation example

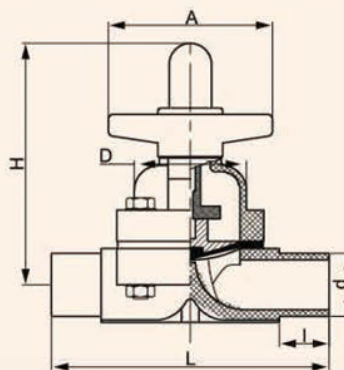


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## Double-yoring ball valve

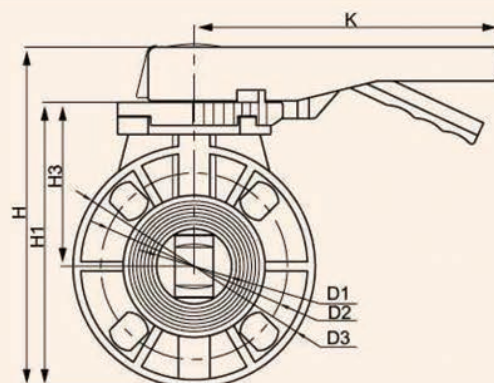
Nominal diameter	d (Φ)	I	H	A	L	D
DN15	Φ 20	20	48	85	102	53
DN20	Φ 25	26	53	90	116	60
DN25	Φ 32	28	65	105	128	71
DN32	Φ 40	31.5	75	116	146	83
DN40	Φ 50	34.5	87	128	162	95
DN50	Φ 63	38.50	99	140	177	116
DN65	Φ 75	40	128	209	229	145
DN80	Φ 90	64	140	204.5	292	164
DN100	Φ 110	59	160	209	310	188



## Diaphragm valve

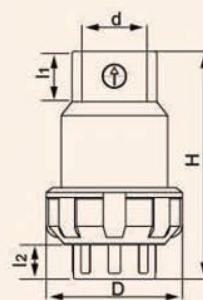
Nominal diameter	dΦ	A	D	L	I	H
DN15	Φ 20	57	39	96	16	73
DN20	Φ 25	69	50	111	19	98
DN25	Φ 32	99	63	125	22	122
DN32	Φ 40	100	76	158	25	124
DN40	Φ 50	120	87	191	31	150
DN50	Φ 63	140	107	223	35	169
DN65	Φ 75	204	130	285	42	245
DN80	Φ 90	225	175	351	50	285
DN100	Φ 110	290	210	383	60	350
DN150	Φ 160	400	358	550	86	456

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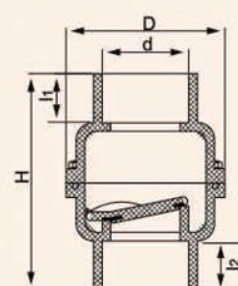


## Butterfly valve

Nominal diameter	D1	D2	D3	H	H1	H2	K
DN50	48	125	160	225	100	145	190
DN65	63	145	180	245	112	155	190
DN80	78	160	196	270	120	172	240
DN100	98	180	228	308	140	194	240
DN125	122	210	258	352	168	223	310
DN150	146	240	287	382	181	239	310
DN200	200	295	343	470	242	300	310



DN15-DN65

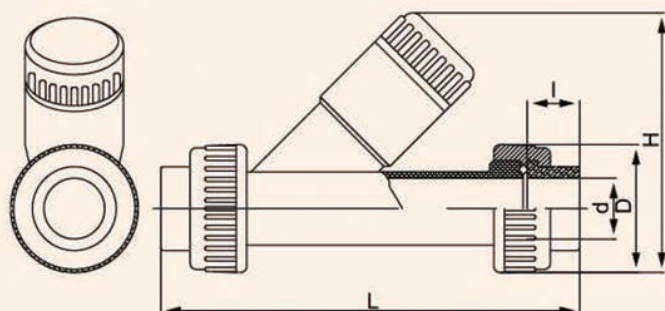


DN80-DN150

## Check valve

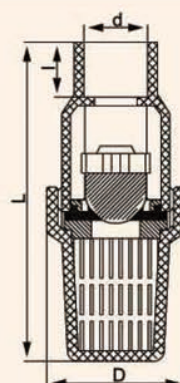
Nominal diameter	d Φ	D	H	l1	l2
DN15	Φ20	53	88	20	20
DN20	Φ25	60	108	25.5	25.5
DN25	Φ32	72	124	28	28
DN32	Φ40	83	143	31	31
DN40	Φ50	96	150	34	34
DN50	Φ63	117	169	36	36
DN65	Φ75	146	226	52	52
DN80	Φ90	172	221	53	53
DN100	Φ110	205	264	61	61
DN150	Φ160	282	379	90	90





## Y-type check valve (angle seat check valve)

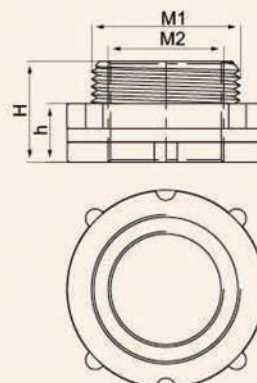
Nominal diameter	dΦ	L	D	I	H
DN15	Φ20	181	52.6	22	106
DN20	Φ25	182.5	52.6	19	106
DN25	Φ32	199	60.8	21	124.4
DN32	Φ40	263	83.5	34	173
DN40	Φ50	258	83.5	31	173
DN50	Φ63	292.6	104	40	204
DN65	Φ75	420	122	41	251
DN80	Φ90	430	155	50	260



## Bottom valve

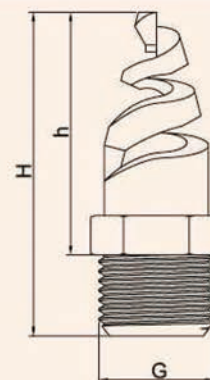
Nominal diameter	dΦ	D	L	I
DN15	Φ20	53	119	20
DN20	Φ25	60	137.5	25.5
DN25	Φ32	72	162	28
DN32	Φ40	83	182	31
DN40	Φ50	96	203	34
DN50	Φ63	117	233	36
DN65	Φ75	146	302	50
DN80	Φ90	167	327	69
DN100	Φ110	202	406	74
DN150	Φ160	290	445	86.5

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## UPVC container interface (water tank connector)

Caliber		h(mm)	M1mm)	M2 (Socket interface mm)	M2 (Internal thread interface mm)	H(mm)	Water tank opening (mm)
1/2"	DN15	31	34.5	20	G 1/2"	54	35
3/4"	DN20	48	37.5	25	G 3/4"	57	38
1"	DN25	49	44.5	32	G 1"	64	45
1+1/4"	DN32	47	64.5	40	G 1 1/4"	90	65
1+1/2"	DN40	47	64.5	50	G 1 1/2"	90	65
2"	DN50	53	77.5	63	G 2"	103	78
2+1/2"	DN65	74	98	75	G 2 1/2"	136	99
3"	DN80	75	109	90	G 3"	145	110
4"	DN100	77	135.5	110	G 4"	171	136

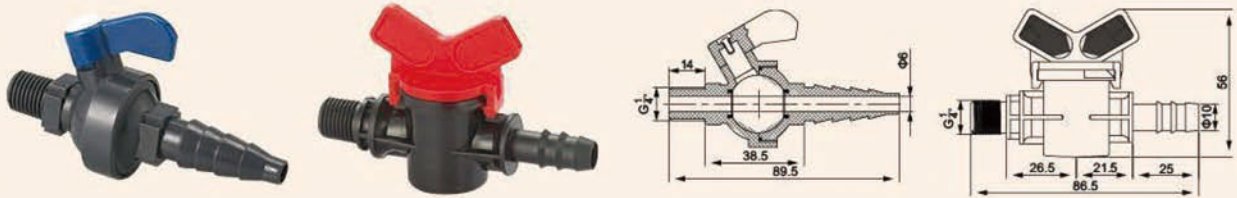


## Spiral nozzle

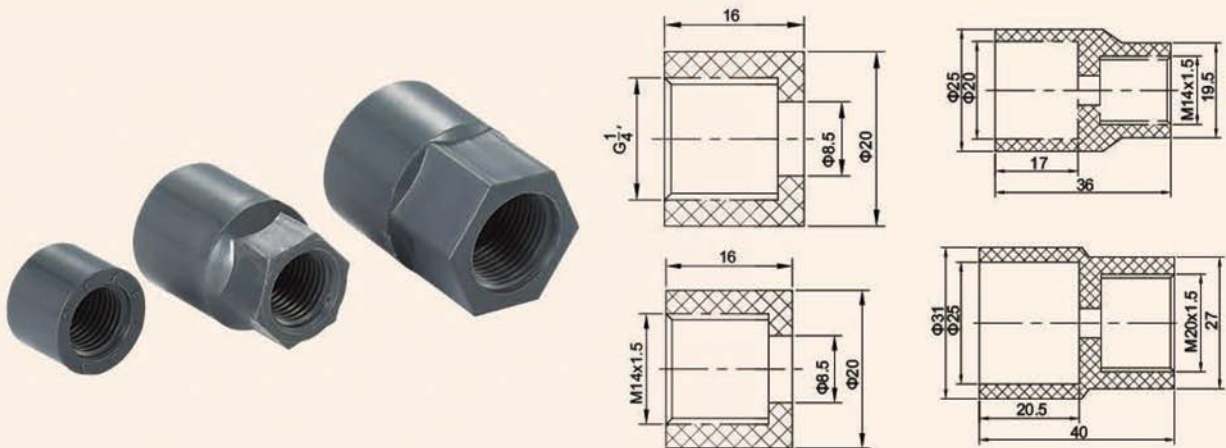
Specification model	H	h	G	Color	Material
2fen	45	29	G1/4" outer wire	White, orange, gray	UPVC, PP, PVDF, SUS316
3fen	47	30	G3/8" outer wire	White, orange, gray	UPVC, PP, PVDF, SUS316
4fen	63	39	G1/2" outer wire	White, orange, gray	UPVC, PP, PVDF, SUS316
6 fen	66	42	G3/4" outer wire	White, orange, gray	UPVC, PP, PVDF, SUS316
1"	90	58	G1" outer wire	White, orange, gray	UPVC, PP, PVDF, SUS316

• UPVC • CPVC • PVDF • PP • SUS316L

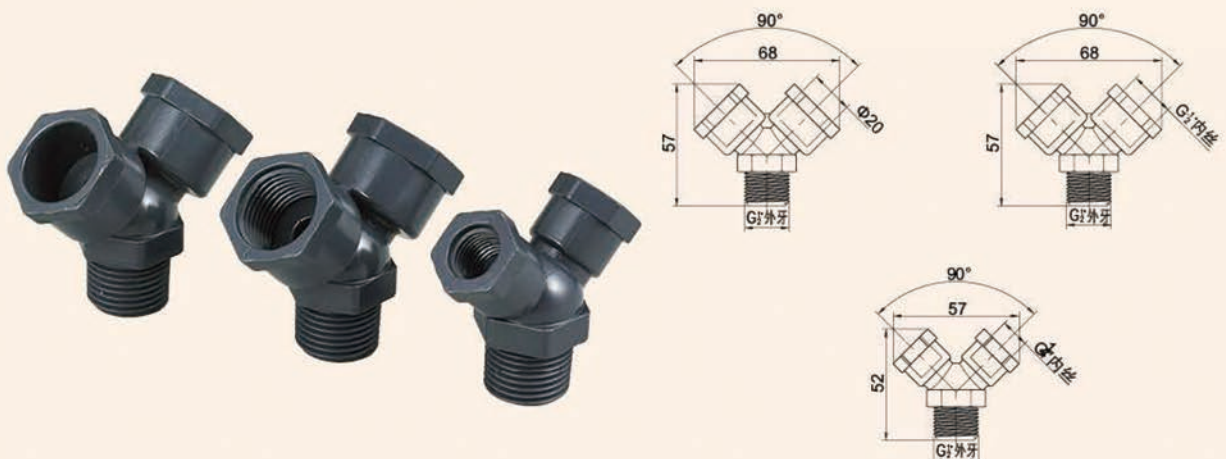
## Sampling valve



## Meter connector



## Y type tee





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**Three-way valve**



**885 type Y diaphragm valve**

#### **Working principle**

Close the valve: Lead the control pressure source (water source or air source, pressure equal to or greater than the incoming water pressure) to the control chamber on the diaphragm, and the diaphragm pushes the valve seat through the valve stem to intercept the incoming water and close the valve.

Open the valve: When the pressure in the upper chamber of the diaphragm is released, the incoming water pushes the valve stem through its own pressure, and the valve opens to form a through chamber to allow fluid to pass through.

#### **Technical characteristics**

The upper and lower double chamber design is adopted, and the control water flow is independent of the fluid chamber. Through the upper and lower pressure source ends, the valve can be flexibly controlled to open or close at will. The choice of pressure source is also more diverse, which can be hydraulic or pneumatic.

Working pressure: 0.1-0.8MPa

Working temperature: 4-50°C

Body material: PA, UPVC

Caliber: DN15-DN100

Connection mode: DN15-DN50 (live connection)

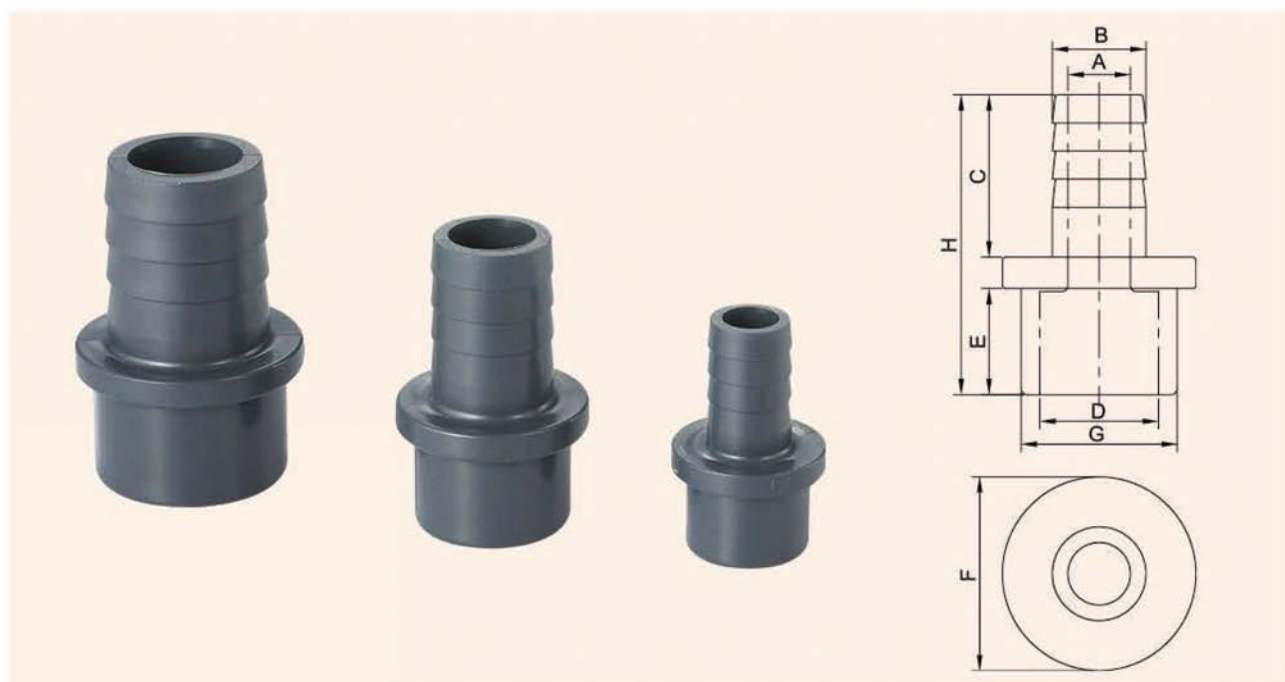
DN65-DN 100 (flange connection)



## Hose connector (threaded type)

Wire mouth size (BSP outer wire)	Pagoda size (mm)	A	B	C	D	E	F	H	G
G1/2" (20mm)	Φ 8	5	8	22	12	13.5	22	44	G1/2" Outer wire
	Φ 10	6	10	22	12	13.5	22	44	G1/2" Outer wire
	Φ 12	8	12	25	12	13.5	22	47	G1/2" Outer wire
	Φ 14	10	14	25	12	13.5	22	48	G1/2" Outer wire
	Φ 16	12	16	26	15	14	22	49	G1/2" Outer wire
G3/4" (25mm)	Φ 12	8	12	25	15	14	27	48	G3/4" Outer wire
	Φ 14	10	14	26	15	14	27	49	G3/4" Outer wire
	Φ 16	11	16	26	15	14	27	50	G3/4" Outer wire
	Φ 20	15.5	20	27	19	14	27	51	G3/4" Outer wire
G1" (32mm)	Φ 16	10	16	27	19	17	34	54	G1" Outer wire
	Φ 20	14	20	30	19	17	34	57	G1" Outer wire
	Φ 25	18	25	34	19	17	34	62	G1" Outer wire
	Φ 30	23	30	35	24	17	34	63	G1" Outer wire
G1+1/4" (40mm)	Φ 32	23	32	40	27	20	43	71	G1+1/4" Outer wire
G1+1/2" (50mm)	Φ 40	30	40	44.5	33	21	48	78	G1+1/2" Outer wire
G2" (63mm)	Φ 50	40	50	50	44	23	60	86	G2" Outer wire

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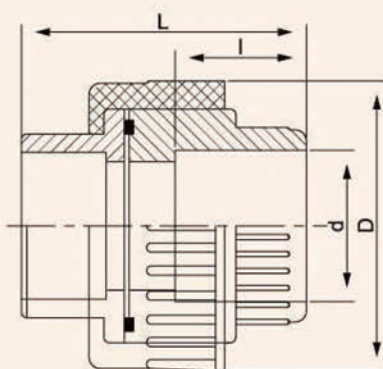


## Hose connector (socket type)

Wire mouth size	Pagoda size (mm)	A	B	C	D	E	F	H	G
DN15 (20mm)	Φ8	5	8	22	15	14	26	42	20
	Φ10	6	10	22	15	14	26	42	20
	Φ12	8	12	25	15	14	26	44.5	20
	Φ14	10	14	26	15	14	26	44.5	20
	Φ16	12	16	26	15	14	26	45	20
DN20 (25mm)	Φ12	8	12	25.5	19	17	31	47	25
	Φ14	11	14	26	19	17	31	48	25
	Φ16	11.5	16	26.5	19	17	31	49	25
	Φ20	15.5	20	27	19	17	31	50	25
DN25 (32mm)	Φ16	10.5	16	27	24	21	39	54	32
	Φ20	14	20	30	24	21	39	57	32
	Φ25	18	25	34	24	21	39	62	32
	Φ30	23	30	35	24	21	39	63	32
DN32 (40mm)	Φ32	23.5	32	40	31	23.5	47	69.5	40
DN40 (50mm)	Φ40	29	40	43	50	27	51	78	50
DN50 (63mm)	Φ50	44.5	50	50	51	32	70	89	63

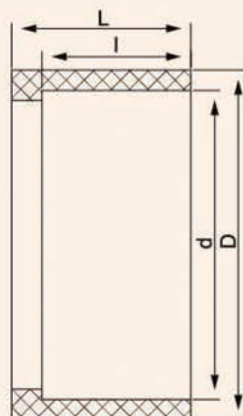


## Loose joint



Nominal diameter	d	D	I	L
DN15	Φ20	45	16	46
DN20	Φ25	53	18	51
DN25	Φ32	62	22	58
DN32	Φ40	73	26	68
DN40	Φ50	84	31	78
DN50	Φ63	104	38	98
DN65	Φ75	127	43	107
DN80	Φ90	151	51	124
DN100	Φ110	175	61	142

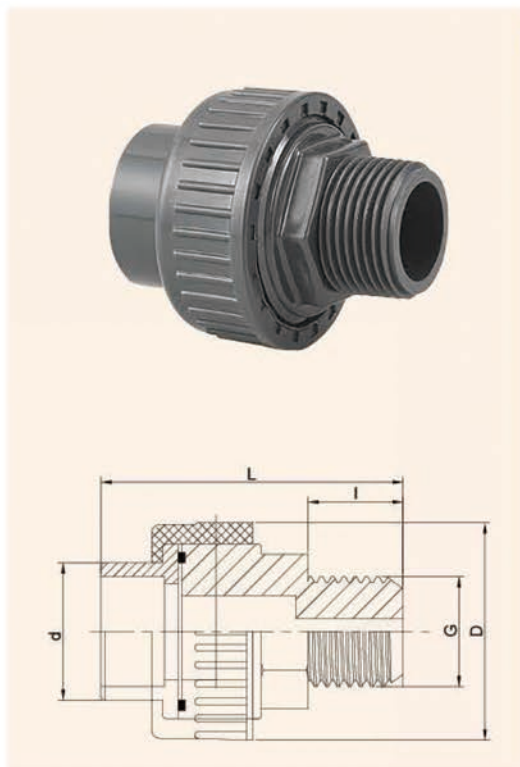
## Flat and shrink joint (core patching)



Nominal diameter	Φ	D	d	I	L
DN20-15	Φ25/20	25	20	16	19
DN25-20	Φ32/25	32	25	19	22
DN32-25	Φ40/32	40	32	22	26
DN40-32	Φ50/40	50	40	26	31
DN50-40	Φ63/50	63	50	31	38
DN65-50	Φ75/63	75	63	38	44
DN80-55	Φ90/75	90	75	44	51
DN100-50	Φ110/63	110	63	38	61
DN100-80	Φ110/90	110	90	51	61
DN125-100	Φ140/110	140	110	61	76
DN150-100	Φ160/110	160	110	61	86
DN150-125	Φ160/140	160	140	76	86
DN200-150	Φ225/160	225	160	86	112

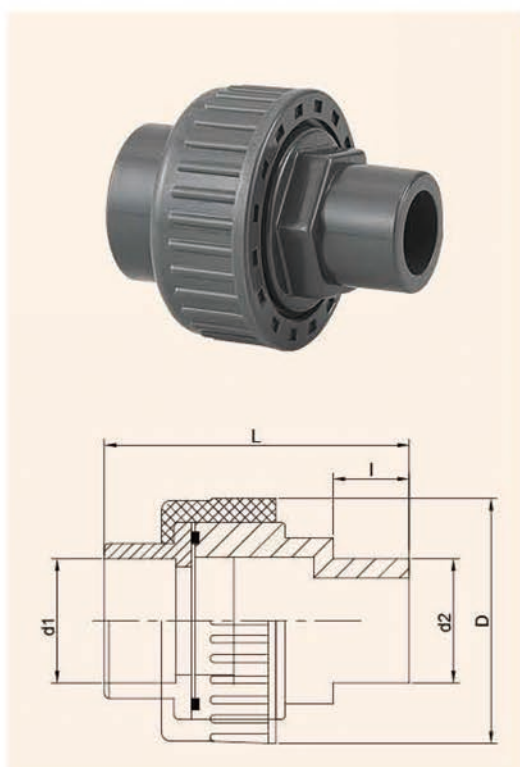
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## Outer wire live connection



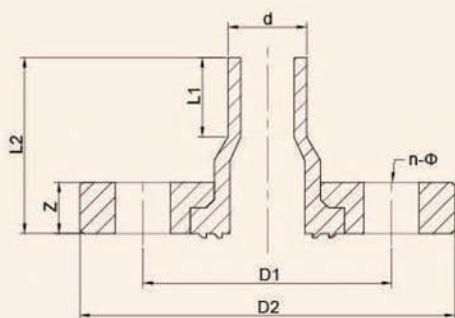
Nominal diameter	d	D	I	L
DN15	Φ20	45	16	62.5
DN20	Φ25	53	17	65
DN25	Φ32	62	19	73
DN32	Φ40	73	24	86
DN40	Φ50	84	27	93
DN50	Φ63	104	30	112

## Insert live connection



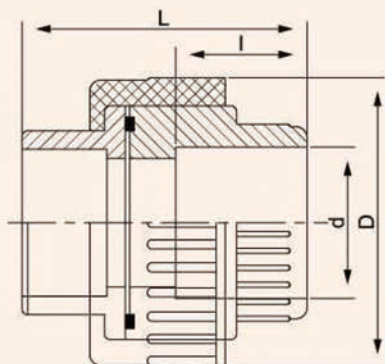
Nominal diameter	d1/d2	D	I	L
DN15	Φ20	45	16	62.5
DN20	Φ25	53	17	65
DN25	Φ32	62	19	73
DN32	Φ40	73	24	86
DN40	Φ50	84	27	93
DN50	Φ63	104	30	112

## Inner flange



Nominal diameter	d	L1	L2	Z	d1/d2	n-Φ
DN15	Φ20	20	45.5	15	95/65	4-Φ14
DN20	Φ25	20	49	15	105/75	4-Φ14
DN25	Φ32	25	56	19	115/85	4-Φ14
DN32	Φ40	27	62	19	140/100	4-Φ18
DN40	Φ50	32	73	20	150/110	4-Φ18
DN50	Φ63	37	81	22	165/125	4-Φ18
DN65	Φ75	45	83	24	185/145	4-Φ18
DN80	Φ90	50	101	30	200/130	4-Φ18
DN100	Φ110	60	116	30	220/180	4-Φ18

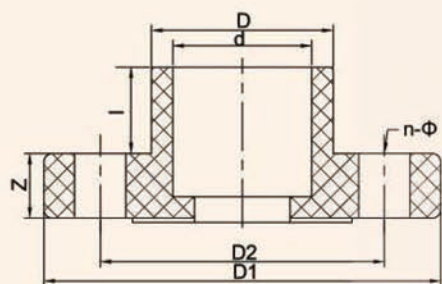
## Variable diameter union



Nominal diameter	Φ	D	d	l	L
DN20-15	Φ25/20	25	20	18	51
DN25-20	Φ32/25	32	25	22	58
DN32-25	Φ40/32	40	32	26	68
DN40-32	Φ50/40	50	40	31	78
DN50-40	Φ63/50	63	50	38	98
DN65-50	Φ75/63	75	63	43	107
DN40-15	Φ50/25	20	50	15	78

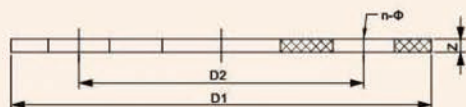


## Looper flange



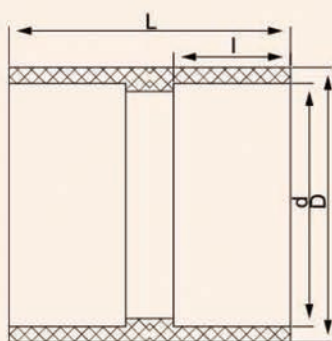
Nominal diameter	d	D	l	D1	D2	Z	n-Φ
DN15	Φ20	27	20	95	65	15	4-Φ14
DN20	Φ25	32	22.5	105	75	16	4-Φ14
DN25	Φ32	41	24	115	85	19	4-Φ14
DN32	Φ40	50	27	140	100	19	4-Φ18
DN40	Φ50	62	31	150	110	20	4-Φ18
DN50	Φ63	76	37	165	125	22	4-Φ18
DN65	Φ75	92	44	185	145	24	4-Φ18
DN80	Φ90	107	51	200	160	30	8-Φ18
DN100	Φ110	127	61	220	180	30	8-Φ18
DN125	Φ140	158	76	250	210	32	8-Φ18
DN150	Φ160	181	86	285	240	33	8-Φ18
DN200	Φ225	254	119	340	295	43	8-Φ22

## Flange gasket



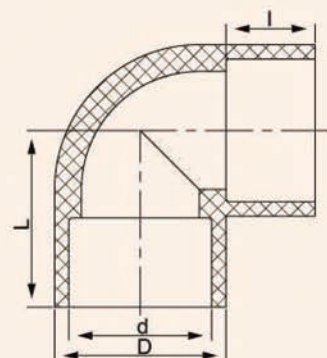
Nominal diameter	d	D1	D2	Z	n-Φ
DN15	Φ20	95	65	3	4-Φ14
DN20	Φ25	105	75	3	4-Φ14
DN25	Φ32	115	85	3	4-Φ14
DN32	Φ40	140	100	3	4-Φ18
DN40	Φ50	150	110	3	4-Φ18
DN50	Φ63	165	125	3	4-Φ18
DN65	Φ75	185	145	3.5	4-Φ18
DN80	Φ90	200	160	3.5	8-Φ18
DN100	Φ110	220	180	3.5	8-Φ18
DN125	Φ140	250	210	4	8-Φ18
DN150	Φ160	285	240	4	8-Φ18
DN200	Φ225	340	295	4.5	8-Φ22

## Pass-through interface



Nominal diameter	d	D	I	L
DN15	Φ20	27	16	35
DN20	Φ25	32	19	40
DN25	Φ32	40	22	47
DN32	Φ40	50	26	55
DN40	Φ50	61	31	65
DN50	Φ63	75	39	83
DN65	Φ75	90	44	91
DN80	Φ90	108	51	107
DN100	Φ110	133	61	130
DN125	Φ140	161	76	159
DN150	Φ160	189	84	178
DN200	Φ225	252	119	243

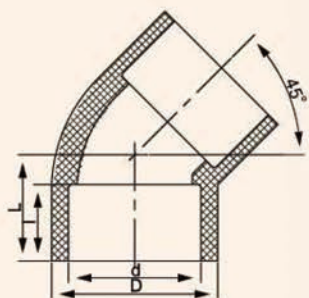
## 90° elbow



Nominal diameter	d	D	I	L
DN15	Φ20	27	18	28
DN20	Φ25	32	19	33
DN25	Φ32	40	22	40
DN32	Φ40	50	27	50
DN40	Φ50	60	30	58
DN50	Φ63	75	38	72
DN65	Φ75	90	44	84
DN80	Φ90	107	51	101
DN100	Φ110	129	61	120
DN125	Φ140	162	76	155
DN150	Φ160	184	86	161

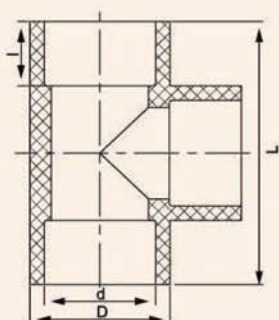
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## 45° elbow



Nominal diameter	d	D	I	L
DN15	Φ20	27	16	35
DN20	Φ25	32	19	40
DN25	Φ32	40	22	47
DN32	Φ40	50	26	55
DN40	Φ50	61	31	65
DN50	Φ63	75	39	83
DN65	Φ75	90	44	91
DN80	Φ90	108	51	107
DN100	Φ110	133	61	130
DN125	Φ140	161	76	159
DN150	Φ160	189	84	178
DN200	Φ225	252	119	243

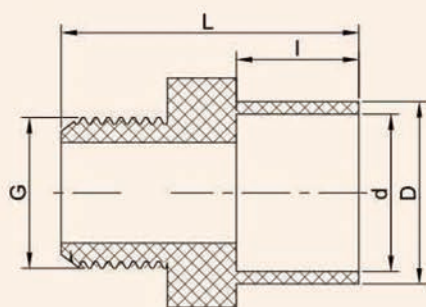
## Tee



Nominal diameter	d	D	I	L
DN15	Φ20	27	16	54
DN20	Φ25	33	19	64
DN25	Φ32	41	22	78
DN32	Φ40	50	26	95
DN40	Φ50	61	31	114
DN50	Φ63	75	40	144
DN65	Φ75	90	43	168
DN80	Φ90	106	51	191
DN100	Φ110	129	61	236
DN125	Φ140	161	76	293
DN150	Φ160	184	86	332
DN200	Φ225	252	119	468



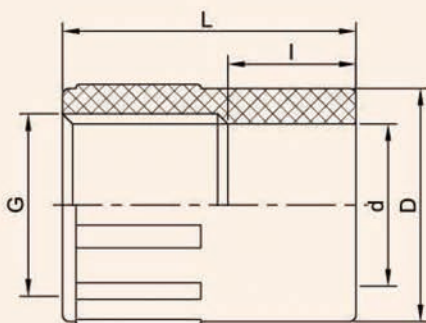
## Outer wire connector



Nominal diameter

	d	D	I	L	G"
DN15	Φ 20	25	19	42	1/2"
DN20	Φ 25	31	20	45	3/4"
DN25	Φ 32	38	25	50	1"
DN32	Φ 40	49	28	56	1-1/4"
DN40	Φ 50	59	33	65	1-1/2"
DN50	Φ 63	74	39	72	2"
DN65	Φ 75	87	44	80	2-1/2"
DN80	Φ 90	105	51	100	3"
DN100	Φ 110	124	61	110	4"

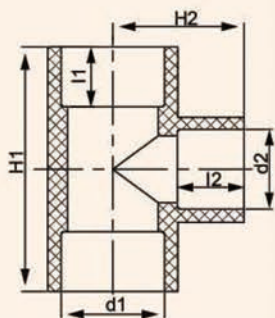
## Inner wire connector



Nominal diameter

	d	D	I	L	G"
DN15	Φ 20	27	18	40	1/2"
DN20	Φ 25	35	19	43	3/4"
DN25	Φ 32	43	23	50	1"
DN32	Φ 40	52	26	52	1-1/4"
DN40	Φ 50	62	32	60	1-1/2"
DN50	Φ 63	76	38	70	2"
DN65	Φ 75	87	44	80	2-1/2"
DN80	Φ 90	105	51	95	3"
DN100	Φ 110	125	61	105	4"

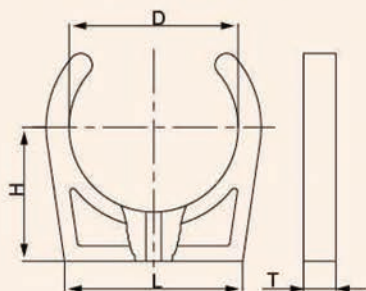
## Reducing tee



Nominal diameter

	d1/d2	l1	l2	H1	H2
DN40-15	Φ 50/20	31	16	103	50
DN40-20	Φ 50/25	31	20	103	50
DN40-25	Φ 50/32	31	22	103	50
DN50-40	Φ 63/50	39	26	115	60
DN50-25	Φ 63/32	39	22	115	58
DN50-20	Φ 63/25	39	20	115	58
DN50-15	Φ 63/20	39	16	106	58
DN100-80	Φ 110/90	61	38	222	111
DN100-50	Φ 110/63	61	51	192	96
DN125-50	Φ 140/63	76	40	226	113

## Pipe clamp



Nominal diameter

	D	T	H	L
DN15	Φ20	16	35	22
DN20	Φ25	16	37	29
DN25	Φ32	16	41	35
DN32	Φ40	16	45	46
DN40	Φ50	16	50	55
DN50	Φ63	16	57	66
DN65	Φ75	16	62	85
DN80	Φ90	20	70	99
DN100	Φ110	21	87	116

### UPVC Plastic Pipe Support Data Sheet

Size	Φ	20	25	32	40	50	63	75	90	110	140	160	225	280	315
Support	20℃	1.2	1.3	1.4	1.6	1.7	1.8	1.9	2.2	2.4	2.5	2.9	3.2	3.4	4.2
spacing (M)	50℃	0.8	1.0	1.1	1.2	1.2	1.3	1.3	1.5	1.8	1.8	2.0	2.2	2.4	3.7

Note: The above data is applicable to the fluid medium density of 1.0g/cm<sup>3</sup>, the vibration is small, and the pipeline is laid horizontally. If the vibration is large, the spacing should be appropriately reduced.

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Size head



Two-position three-way valve



Inner wire to fill the heart



Three-way ball valve



Conversion adapter

American Standard to National Standard



Ejector



Cap



Plastic welding rod



Material: CPVC、UPVC/ABS



•UPVC •CPVC •PVDF •PP •SUS316L

## Pre-adhesive series



## Adhesive series





Company: Abco  
CEO: Ali Soltani

Address: Iran, Alborz, Mehrshahr, Payam Special Economic Zone, Payam Special Economic Zone, Babaei Boulevard, 6th Street of Abco Company

Phone/WhatsApp: +98 912 131 3433

Email: [abco.asia1@gmail.com](mailto:abco.asia1@gmail.com)

Web: [www.abco.asia](http://www.abco.asia)

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