



# Plumbing & Irrigation

## UPVC & CPVC Valves



### PRODUCTS RANGE

- ♦ Light Weight & Advance Design Valves suitable for PVC Plumbing Lines.
- ♦ In-Line repairable suitable for continuous process.
- ♦ No corrosion problems, Safe and economical solutions.
- ♦ Valves are available with Actuator operation.
- ♦ Socket End / Screwed End / Flanged End Available.

### Fields of Application:

- ♦ Chemical Process Industry
- ♦ Life Sciences
- ♦ Microelectronics
- ♦ Measurement and Control
- ♦ Water Treatment
- ♦ Marine
- ♦ Food and Beverage



# UPVC/ CPVC 2 Way TRUE UNION BALL VALVE SOCKET / FLANGED



“Cair” Make PVC true-union ball valves are constructed of ASTM D1784 virgin UPVC resin. The unique double union, Available in Socket, threaded & flanged end connection single bayonet-style lock facilitates ease of repair and/or maintenance by allowing removal of the valve body from the pipeline. Full ports allow maximum flow and minimum pressure drop or turbulence. Recommended for commercial and industrial applications such as sewage and water treatment, chemicals, food processing, swimming pools, etc.



### Pressure / Temperature

PRESSURE RATING	150 W.O.G. AT 73 °F
MAXIMUM SERVICE TEMPERATURE	140 °C

### Specification

Size	1/2" - 2"
Material	UPVC, CPVC, PP
Joint End	Socket: ( ANSI, JIS, CNS, DIN) / Threaded: (NPT, BSPT, BSPF) / Flanged: ( 10K, 150LB)
Working Pressure	150PSI
Operation Temperature	PVC(0~55°C) ,CPVC (0~95°C) , PP(-20°C~120°C)
Color	UPVC(Dark Grey), CPVC(Grey), PVC(Ivory)

### ADVANTAGES :

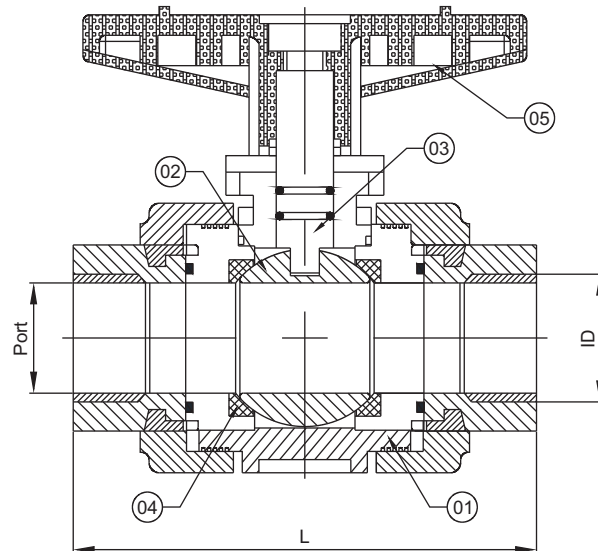
1. Smooth opening & closing thanks to a lower torque
2. 100% pure virgin material, CaCO3 free (Chalk)
3. UV resistant powder added
4. 100% pressure testing before leaving the factory
5. Can be assembled with Pneumatic/Electric Actuators

### MATERIAL SPECIFICATION

PART	MATERIAL
HANDLE	ABS
STEM PACKING	EPDM/VITON**
STEM	UPVC
BALL	UPVC / CPVC
SEATS	TEFLON*
BODY	UPVC / CPVC
UNION NUTS	UPVC / CPVC
END ADAPTER	UPVC / CPVC
O-RINGS	EPDM/VITON**

### Dimensions :

Valve Size	L ±3 mm	ID ±2 mm	Port ±1 mm
1/2" (15 mm)	112	22	14
3/4" (20 mm)	115.5	27	19.2
1" (25 mm)	130	33.8	24
1.1/4" (32 mm)	146	42.4	31
1.1/2" (40 mm)	161.5	48.4	38.3
2" (50 mm)	177.5	60.5	48
2.1/2" (65 mm)	242	73.5	61.6
3" (80 mm)	293	89	74
4" (100 mm)	328	115	89.5



Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Ball	UPVC
3	Stem	UPVC
4	Seat	PTFE
5	Lever	ABS

# UPVC/ CPVC 3 Way TRUE UNION BALL VALVE SOCKET / FLANGED



“Cair” Make PVC 3 WAY true-union ball valves are constructed of ASTM D1784 virgin UPVC resin. The unique double union, Available in Socket, threaded & flanged end connection single bayonet-style lock facilitates ease of repair and/or maintenance by allowing removal of the valve body from the pipeline. Full ports allow maximum flow and minimum pressure drop or turbulence. Recommended for commercial and industrial applications such as sewage and water treatment, chemicals, food processing, swimming pools, etc.

### Pressure / Temperature

PRESSURE RATING	150 W.O.G. AT 73 °F
MAXIMUM SERVICE TEMPERATURE	140 °C

### Specification

Size	1/2" - 2"
Material	UPVC, CPVC, PP
Joint End	Socket: ( ANSI, JIS, CNS, DIN) / Threaded: (NPT, BSPT, BSPF) / Flanged: ( 10K, 150LB)
Working Pressure	150PSI
Operation Temperature	PVC(0~55°C) ,CPVC (0~95°C) , PP(-20°C~120°C)
Color	UPVC(Dark Grey), CPVC(Grey), PVC(Ivory)

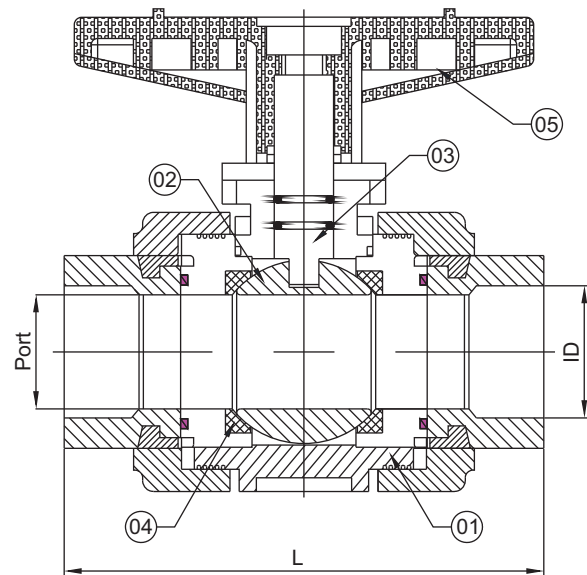


### ADVANTAGES :

1. Smooth opening & closing thanks to a lower torque
2. 100% pure virgin material, CaCO<sub>3</sub> free (Chalk)
3. UV resistant powder added
4. 100% pressure testing before leaving the factory
5. Can be assembled with Pneumatic/Electric Actuators

### MATERIAL SPECIFICATION

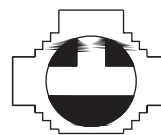
PART	MATERIAL
HANDLE	ABS
STEM PACKING	EPDM/VITON**
STEM	UPVC
BALL	UPVC / CPVC
SEATS	TEFLON*
BODY	UPVC / CPVC
UNION NUTS	UPVC / CPVC
END ADAPTER	UPVC / CPVC
O-RINGS	EPDM/VITON**



### T - Port Flow Pattern

0° Rotation  
(1) Position

90° Rotation  
(2) Position



### Dimensions :

Valve Size	L ±2 mm	ID ±2 mm	Port ±1 mm
1/2" (15 mm)	163	21.54	15
3/4" (20 mm)	172	26.87	20
1" (25 mm)	200	33.65	25
1.1/4" (32 mm)	208	42.42	32
1.1/2" (40 mm)	226	48.56	40
2" (50 mm)	246	60.63	50

Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Ball	UPVC
3	Stem	UPVC
4	Seat	EPDM
5	Lever	PVC

# UPVC/ CPVC BUTTERFLY VALVE



“Cair” Make UPVC/ CPVC butterfly valves are constructed of ASTM D1784 virgin UPVC resin. Both models have excellent flow characteristics and provide a clear indication of disc position. Ideally suited for flow control using minimal piping space. Recommended for commercial and industrial applications such as sewage and water treatment, chemicals, marine, food processing, swimming pools,



### Pressure / Temperature

PRESSURE RATING	150 W.O.G. AT 73 °F
TEST PRESSURE	225 W.O.G.

### Specification

Joint End	Flanged End (10K, 150LB, PN10)
Working Pressure	150 PSI
Feature	Wafer Body Design / PVC with PVC Disc / 304 Grade Stainless Steel / EPDM / Viton Liner / ISO 5211 Mounting Pad / Standard Lockout Hand lever

### BENEFITS :

1. High Flow Capacity
2. Low Pressure Drop
3. Economical Alternative to Metal Butterfly Valve

### OPTIONS :

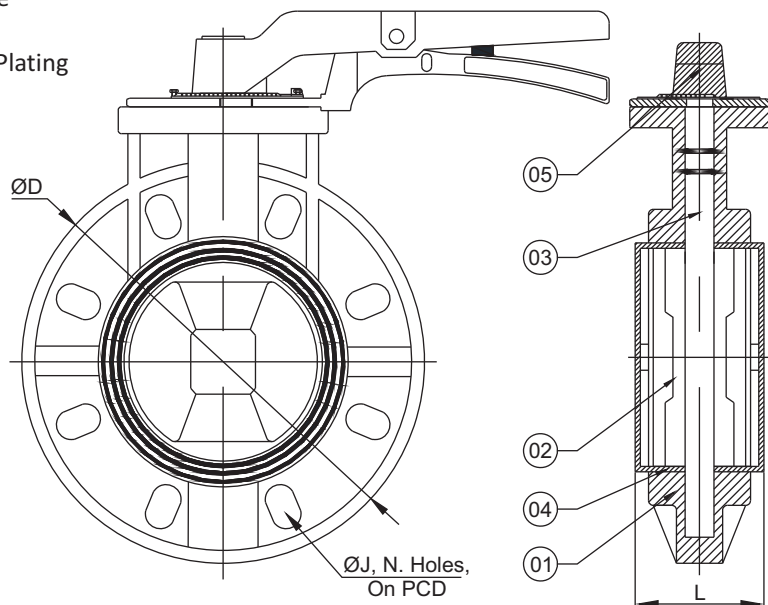
1. Gear Operators
2. Electric or Pneumatic Actuators

### APPLICATIONS :

1. Water & Wastewater Treatment
2. Chemical Processing
3. Food & Beverage
4. Swimming Pools & Water Parks
5. Aquaculture
6. Aquarium & Zoo Service
7. Pharmaceutical
8. Pulp & Paper
9. Landfill Service
10. Marine & Corrosive Environments
11. Metal Finishing & Plating

### MATERIAL SPECIFICATION

PART	MATERIAL
BODY	UPVC
DISC	POLYPROPYLENE
SEAT	EPDM
STEM	410 SS
O – RINGS	EPDM
INSERTED NUT	410 SS
LARGE HANDLE	ABS
SMALL HANDLE	ABS
SPRING LOCK	ABS
HANDLE INSERT	STAINLESS STEEL
HANDLE LEVER	304 SS
SPRING	304 SS
SPRING PIN	304 SS
WASHER	304 SS
LOCKING PLATE	304 SS
GEAR SEAT	UPVC
BOLT	304 SS
NUT	UPVC
INSERT NUT	410 SS
DISC INDICATOR	304 SS
RIVET	STAINLESS STEEL
OPERATION	LEVER & WORM GEAR



### Dimensions :

Valve Size	Port $\pm 1$ mm	$\varnothing D$ $\pm 3$ mm	$\varnothing J$ $\pm 1$ mm	N	PCD $\pm 1.5$ mm	
2" (50 mm)	49	46	159	19	4	121
2.1/2" (65 mm)	64	42	178.7	19	4	139.5
3" (80 mm)	80	47	194.5	19	8	155
4" (100 mm)	100	54	228	19	8	180.7
5" (125 mm)	125	63	254	23	8	209
6" (150 mm)	148	69	279.5	24	8	236.5
8" (200 mm)	199	86	343	25	8	293.5

Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Disc	UPVC
3	Shaft	AISI 410
4	Seat	NBR
5	Lever	ABS

## UPVC GATE VALVE



“Cair” Make High quality ABS knife gate valve, Inexpensive valves for Industrial, Agricultural and Commercial markets. Ideal for quick shut-off in low pressure or vacuum lines. We specialize in economical knife gate valves which are ideal for drain applications that require quick shut-off in low pressure or vacuum systems. Applications include waste water control, septic systems, irrigation, aquaculture, pools, spas, IBC, tank drains, and carpet/extraction equipment. Ball valves, swing check valves and swing/spring combo check.

### Pressure / Temperature

MAXIMUM PRESSURE OPEN	140 kPa
MAXIMUM PRESSURE CLOSE	275 kPa
WEIGHT	2.1 Kg

This valve is used for draining the stagnant water inside of the rainwater wet system. It is a valuable purchase allowing the user to quickly and easily drain the wet system without getting wet! Simply raise the plunger upwards handle with ease and the water drains from the system quickly. The valve is 90mm diameter internally allowing the water to drain at high speed. This helps to flush out the leaves and sludge which has accumulated in the bottom of the pipes.

Simply install a T-junction into the wet system pipe work at the lowest point possible. The Gate Valve can then be glued into the junction. For best results, fill the wet system from the gutter outlet and drain the gate valve several times until the water runs out clean and clear.



### MATERIAL & GENERAL SPECIFICATIONS

Size	1.1/2" (50mm)	2" (63mm or 75/90mm)	3" (90mm)	4" (110mm)	6"/8" (160/200mm)	10" / 12"
Color	White or Black (Gray)	White or Black (Gray)	White or Black (Gray)	White (Gray)	White (Gray)	White
Hubs	PVC or ABS (PVC)	PVC or ABS (PVC)	PVC or ABS (PVC)	PVC (PVC)	PVC	PVC
Body	PVC or ABS (PVC)	PVC or ABS (PVC)	PVC or ABS (PVC)	PVC (PVC)	ABS	ABS
Shaft	304SS	304SS	304SS	304SS	304SS	304SS
Paddle	Polypro	Polypro or 304SS	Polypro or 304SS	304SS	304SS	304SS
Handle	Plastic or Die Cast Al	Plastic or Die Cast Al	Plastic or Die Cast Al	Die Cast Al	304SS	304SS
Seals	Sarlink	Sarlink	Sarlink	Sarlink	Sarlink	Sarlink
Max PSI Open/Closed	45/100	40/80	30/30	20/40	10/20	10/15
Mid-Flow Max Closing Pressure	6 psi	1 psi (PP) 15 psi (SS)	.5 psi (PP) 9 psi (SS)	8 psi	2.5 psi	2.5 psi
Air Cylinder	Reinforced Nylon	Metal or Reinforced Nylon	Metal or Reinforced Nylon	Metal	Metal	Metal

#### Notes:

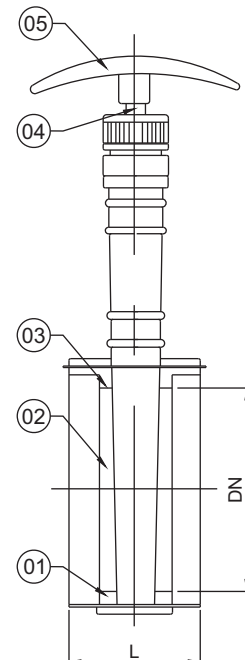
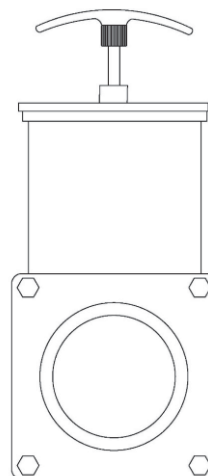
Vacuum Applications: 1.1/2" to 4" tested to 26 Hq in. when requested by customer

Metric Valves are Gray PVC

Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Wedge	UPVC
3	Seat	EPDM / Viton
4	Stem	Cr13
5	Handle	ABS

#### Dimensions :

Valve Size	DN ±2 mm	L ±3 mm
1.1/4" (32mm)	32	68
1.1/2" (40 mm)	40	98
2" (50 mm)	50	108
2.1/2" (65 mm)	65	124
3" (80 mm)	80	128
4" (100 mm)	100	132



## UPVC/ CPVC SINGLE UNION BALL CHECK VALVE



"Cair" Make PVC ball check valves are constructed of ASTM D1784 virgin UPVC resin. The ball seals by gravity in the vertical position and at 2 to 4 P.S.I. backpressure, in positions other than vertical. They can be easily converted to foot valves by the addition of an optional plastic screen. Recommended for commercial and industrial applications where backflow prevention is desired.



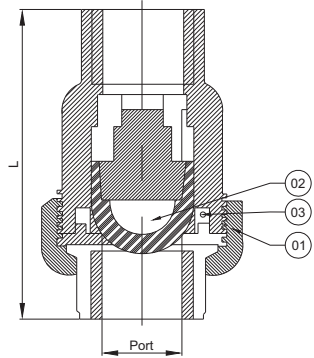
### Pressure / Temperature

PRESSURE RATING	150 W.O.G. AT 73 °F
MAXIMUM SERVICE TEMPERATURE	140 °F

PVC single union Ball Check Valve is a ball type Check Valve with single union structure. single union end is convenient for installation, the socket connection as per standards of DIN, ANSI, JIS, CNS. PVC Check Valve single union is only suitable for vertical installation. Cair offer True Union Ball Check Valve PVC with the specifications as follows:

### FEATURE OF VALVE :

1. Ball orbital design lower the valve leaking risk.
2. Double union design easy to replace and install of valves.
3. Hollow ball design make the valve seal better.
4. Simple structure make it easy to diagnose problem and repair valve.
5. Flange end is optional.



### Dimensions :

Valve Size	Port ±1 mm	L ±2 mm
1/2" (15 mm)	21.54	118.4
3/4" (20 mm)	26.87	134.4
1" (25 mm)	33.65	155.2
1.1/4" (32mm)	42.42	171
1.1/2" (40 mm)	48.56	187
2" (50 mm)	60.63	203
2.1/2" (65 mm)	73.38	276
3" (80 mm)	89.31	307
4" (100 mm)	114.76	396
6" (150 mm)	166.2	432

### Specification

Size	DN 15 ~ DN 80 (1/2 Inch ~ 3 Inch)
Body Material	PVC-U, PVC-C, PP-H
Seal Material	EPDM
Socket Connection	DIN, ANSI, JIS, CNS
Design Pressure	1.0 Mpa (PN 10 Bar)

Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Ball	UPVC
3	Seat	EPDM

### MATERIAL SPECIFICATION

PART	MATERIAL
BODY	UPVC
UNION NUT	UPVC
END ADAPTER	UPVC
FILTER	UPVC
BALL	UPVC
SEAT	EPDM
GLAND	UPVC

## UPVC FOOT VALVE

### PRODUCT DESCRIPTION

"Cair" Make Foot Valve is also named bottom valve, it prevent medium back flow, mainly used in pumps and other equipment. Foot valve is a socket connection foot valve, ball type from size 1/2" to 8", material made by PVC and PP. Socket end as per standard DIN, ANSI, JIS, CNS. PVC Foot Valve is widely used in water treatment, agriculture irrigation and water supply.



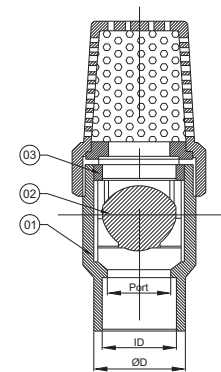
Foot valve has the following specifications and features:

### Specification

Size	DN 15 ~ DN 80 (1/2 Inch ~ 3 Inch)
Body Material	PVC-U, PVC-C, PP-H
Seal Material	EPDM
Socket Connection	DIN, ANSI, JIS, CNS
Design Pressure	1.0 Mpa (PN 10 Bar)

### FEATURE OF VALVE :

1. Single union basket design easy to replace the inner parts of valves.
2. Hollow ball design make the valve seal better.
3. Simple structure make it easy to diagnose problem and repair valve.
4. Flange end is optional.



### Dimensions :

Valve Size	Port ±1 mm	ID ±2 mm	ØD ±2 mm
3/4" (20 mm)	26.57	26.87	35
1" (25 mm)	33.27	33.65	43
1.1/4" (32mm)	42.04	42.42	53
1.1/2" (40 mm)	48.11	48.56	62
2" (50 mm)	60.17	60.63	75
2.1/2" (65 mm)	72.85	73.38	91
3" (80 mm)	88.70	89.31	110
4" (100 mm)	114.1	114.76	135
6" (150 mm)	164.6	166.2	193

Sr. No.	PART	MATERIAL
1	Body	UPVC
2	Ball	UPVC
3	Seat	EPDM

## PVC STRAINER



“Cair” Make Y type Plastic Strainer For Industrial application, it is made by material PVC with EPDM seal and PP screen, PVC Y type Strainer size from 20mm to 110mm with socket end and flange connection as per standard DIN, ANSI, JIS, CNS. PVC Y Strainer is widely used for chemical industrial, water treatment, water supply, etc.



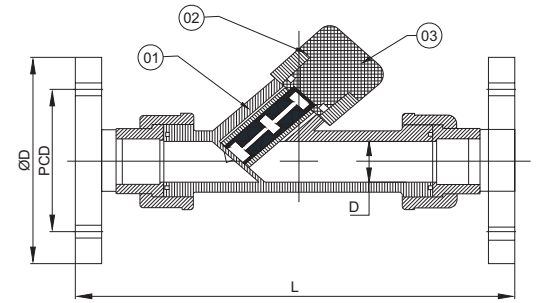
Cair brand PVC Y strainer have the following specification and features

Specification	
Size	DN 15 ~ DN 100 (1/2 Inch ~ 4 Inch)
Connection	Flanged, Socket, Thread
Body Material	PVC - U
Screen Material	PP, Stainless Steel
Design Pressure	1.0 Mpa (PN 10 Bar)

### FEATURE OF VALVE :

1. Transparent PVC body is convenient to observe the medium.
2. Screen can be taken out and clean.
3. Union design is convenient to install and replace the strainer.
4. Suitable for horizontal and vertical installation.
5. Stainless steel screen is optional.

Sr. No.	PART	MATERIAL
1	Body	PVC
2	Seal	EPDM
3	Cover	ABS



### Dimensions :

Valve Size	L ±2mm	ØD ±3mm	D ±1mm	N-Ø	PCD ±1mm
1/2" (15 mm)	178	95	21.23	4-15	60.3
3/4" (20 mm)	198.4	100	26.57	4-15	70
1" (25 mm)	223.2	125	33.27	4-16	79.4
1.1/4" (32mm)	240	139	42.04	4-16	88.9
1.1/2" (40 mm)	294	140	48.11	4-19	98.4
2" (50 mm)	346	165	60.17	4-19	120.7
2.1/2" (65 mm)	424.6	175	72.85	4-19	139.5
3" (80 mm)	480	200	88.70	4-19	152.4
4" (100 mm)	512	220	114.1	4-19	190.5

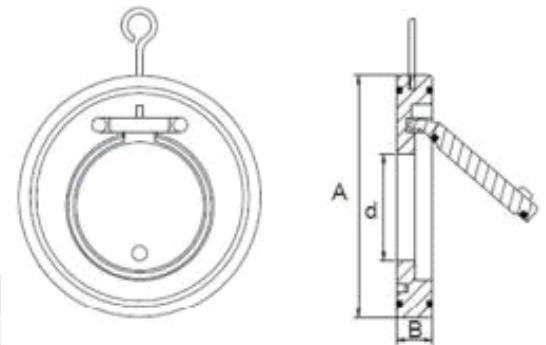
## PVC Single Piece Wafer Check Valve

“Cair” Make PVC single piece Wafer Check Valve is common type PVC Check Valve, it is simple structure, small weight, easy to installation, and convenient to maintenance, this plastic wafer Check Valve is widely used in water system, especially in swimming pool, water treatment, irrigation, finish farm, etc.

Cair offer PVC Wafer Check Valve with the specifications as follows:



Basic Info	
Pressure	Low Pressure
Function	Nrvg Silence
Flow Direction	Uni-direction
Standard	DIN, DIN , ANSI, JIS, CNS
Application	Industrial Usage
Material	PVC, UPVC
Sealing Form	O Ring
Size	DN15~DN300
Connection	Wafer
Structure	Swing



### Dimensions :

Valve Size	A	B	d
3" (80 mm)	140	23	27
4" (100 mm)	160	23	62
5" (125 mm)	192	24	83
6" (150 mm)	218	26	105
8" (200 mm)	273	34	140
10" (250 mm)	328	40	170
12" (300 mm)	380	45	220

### PRODUCT DESCRIPTION :-

#### Basic specification

Size: DN80~DN300 (3 inch ~ 12 inch)  
 Connection as per: DIN PN10; ANSI CL150; JIS 10K  
 Body Material: PVC-U  
 Seal material: EPDM  
 Design pressure: 1.0Mpa(PN10 bar)

### FEATURE OF VALVE :

1. All the parts that will touch medium is made from thermo plastic and rubber
2. Suitable for horizontal installation
3. Simple structure is easy for installation and replace.
4. Flange assembled type by socket connection is optional

## Back Flushing Valve / Back-Flushing Hydraulic Control Valve FOR IRRIGATION



“Cair” Make The back flushing valve from ARDE is a small T type triple valve, this series is a double cavity diaphragm type hydraulic control valves with hydraulic driver. The valves use for Automatic back-flushing filtration systems, the water flow in inlet is straight-through(S) and angel flow (A).

### Working Principle:-

- (1) External Pressure makes Pressure in control cavity
- (2) in cressed the diaphragm
- (3) drive the spool part
- (4) to move to the valve base
- (5) makes it seat tight. At the time , the water from filter flow through outlet base
- (6) to discharge pollution. After the water from control cavity flow out, the system pressure and the spring
- (7) force takes the valve to return to filtering model.

Control head valves are three port hydraulic valves for backwash of filter stations, sand media filters, gravel filters, disc filters and screen filters. It is a compact valve, T configuration or in-line. Backwash valve closes the filter inlet, redirecting water in the opposite flow, so backflush would clean filtering elements and purge all captured impurities.

### Our filter backwash valves range includes:

- 1) Filter backwash hydraulic valve 2"x2"
- 2) Filter backwash hydraulic valve 3"x3"
- 3) Filter backwash hydraulic valve 4"x4"

### TYPICAL APPLICATIONS:

- 1) Automatic backwash of sand media filter stations
- 2) Gravel filters, disc filters, screen filters
- 3) Single Filter Autonomic Backwash System
- 4) Angle flow or straight flow configuration



## PLASTIC SCREEN Y TYPE FILTER FOR IRRIGATION

“Cair” Make High Filtration Reliability: Automatic backwashing of centrifugal disc achieves more effective and more reliable filtration effect; it is more water-saving, energy-saving and generates lower maintenance costs. The key to its unique design lies in the highly precise grooved laminations and spiral discs on the bottom of the laminations. Low Maintenance Costs: The Automatic Backwashing Centrifugal Filtration System with HDPE can minimize the filtration system maintenance costs to the hilt.

Many Types of Combination: Have different types of combinations according to the filter level, pipe diameter, and interface means. Strong Corrosion Resistance and Durability: Composite pipes made of HDPE have resistance to corrosion and oxidation of various chemicals. They are suitable for filtration of all kinds of water sources for industrial use, agriculture, urban construction and landscape and can work in a variety of harsh environments. Easy and Quick to Install: High-density polyethylene pipes (HDPE) are light, and are easy to install and maintenance. They are suitable for bayonet, flange and other quick connection methods.

### Advantages of Lamination Filters:

- Stable filtering effect
- Deep filtration, outstanding trash holding abilities
- Simple operation, easy maintenance
- Low system operating costs, reliable performance, over 10 years of service life

### All-plastic Laminated Filter:

Accurate Filtration: Can choose filter discs of different precisions according to the requirements of water; there are a variety of specifications for option. Efficient Cleaning: High-speed and thorough backwashing can be completed in only 20 seconds. Automatic Operation, Continuous Water Yielding: In the filter set, the backwashing process turns alternately; work and backwashing state switch automatically, which can ensure continuous water yielding and small system pressure loss. Standard: Standard modular system design, choose based on demand, flexible and changeable, strongly interchangeable. Non-standard: Can flexibly use the corner space, install according to local conditions, cover a small footprint. Reliable Operation, easy maintenance, almost need no routine maintenance, no need to use special tools, few spare parts Long Service Life: high-tech plastic filter element, solid, no wear, no corrosion; years of industrial practice verifies that the filtration and backwashing effect will not become poorer as the use time becomes longer.

### A laminated filter has the following characteristics:

- Laminated filters have a larger filtration surface area among filter equipment of the same volume;
- Flow resistance is small, and therefore the operating costs are lower;
- Impurity retention space is large, which means that the frequency of backwashing is low.
- Just need to turn the tank gently for several times in the case of backwashing, no disassembly, can be completed in dozens of seconds.





## PLASTIC SOLENOID VALVE FOR IRRIGATION



The Cair Plastic Solenoid Controlled Valve is a hydraulically operated, diaphragm actuated control valve with internal hydraulic Feed & Bleed control loop. The Cair Plastic Solenoid Controlled Valve opens and closes drip-tight in response to an electric pulse, which causes the solenoid to open or close the valve's internal hydraulic loop.

- 1) Straight Solenoid Valve with Female threads on inlet and outlet.
- 2) Primarily used in irrigation systems, water treatment plants, garden watering system, landscape watering.
- 3) Available in 12 V DC, 24 V DC, 24 V AC, 220 V AC, upto 40 V DC Latching

### Typical Applications

- Battery and/or Solar Powered Irrigation Systems
- Remote/Elevated Systems
- Turf & Buried Pipe Applications
- Industrial Greenhouse Irrigation
- Low Supplied Pressure Irrigation Systems
- Energy Saving Irrigation Systems

### VALVE DATA :-

**SIZE :** 25 MM TO 80MM  
**CONNECTION TYPE :** BSP INNER SCREW THREAD  
**VALVE SWITCH :** NORMALLY CLOSE / NORMALLY OPEN (OPTIONAL)  
**VALVE MATERIAL :** GLASS FIBER REINFORCED NYLON



## PLASTIC PRESSURE REDUCING VALVE FOR IRRIGATION

Connection type: BSP inner screw thread / FLANGED END

Valve body material: glass fiber reinforced nylon

### Working data:

**Pressure bearing capacity :** 1.0MPa

**working pressure :** 0.07MPa

**Flow range :** 10-40m<sup>3</sup>/H

### Electric and hydraulically operated valves

This pressure reducing valve is a hydraulically operated, diaphragm actuated control valve that accurately reduces higher upstream pressure to very low and stable preset downstream pressure regardless of fluctuating demand or varying upstream pressure. This valve is normally fully open but shuts automatically off upon line pressure increase. All accessories are made of metal, highly durable even under severe working conditions. It either opens or shuts in response to a remote pressure command.



### Features:

- Manufactured in glass filled nylon material, resistant to chemicals used in agriculture.
- For both vertical or horizontal installation.
- Unitized Flexible Super Travel Diaphragm and Guided Plug.

### Benefits:

- No chattering and fast closing.
- Accurate and stable regulation with smooth motion.
- Ideal for low supplied pressure irrigation systems.
- No diaphragm distortion.
- Spare parts, diaphragms and springs available in several models.
- Designed to meet a broad flow rate and pressure range.

### TYPICAL APPLICATIONS:

- Computerized irrigation systems
- Remote controlled irrigation systems
- Buried distribution systems
- Greenhouse irrigation
- Low supplied pressure irrigation systems
- Drip irrigation
- End-line protection

### Our range of pressure reducing valves include:

- Hydraulically operated pressure reducing valve - sizes from diameter 1" to DN 150;
- Electric pressure reducing valve with 3-way solenoid 24 V AC - sizes from diameter 1"½ to DN 150;
- Hydraulic pressure reducing valve - cost effective series - sizes 1"½ and 2";
- Electric pressure reducing valve with 3-way solenoid 24 V AC - cost effective series - sizes 1"½ and 2";

**ALSO AVAILABLE WITH ELECTRICAL ACTUATOR**



**MOD SERIES**

Single Phase Quarter Turn



**SUPPLY VOLTAGE**

220 V AC (± 10%), 50 / 60 Hz  
110 V AC,  
24V DC, 12 V DC

**ENCLOSURE - IP 67/68**

Weatherproof  
IS / IEC 60529  
Flameproof or Ex-Proof - IS  
IEC 60079  
Zone II, Gas Group IIB T4

**TORQUE RANGE**

15 Nm to 5000 Nm

**ATQ SERIES**

Three Phase Quarter Turn



**SUPPLY VOLTAGE**

415 V AC (± 10%), 50 / 60 Hz  
380 V AC  
460V AC

**ENCLOSURE - IP 67/68**

Weatherproof  
IS / IEC 60529  
Flameproof or Ex-Proof - IS  
IEC 60079  
Zone II, Gas Group IIB T4

**TORQUE RANGE**

50 Nm to 12000 Nm

**ATM SERIES**

Three Phase Multi-Turn



**SUPPLY VOLTAGE**

415 V AC (± 10%), 50 / 60 Hz  
380 V AC / 460V AC  
220 V AC CTM Series

**ENCLOSURE - IP 67/68**

Weatherproof  
IS / IEC 60529  
Flameproof or Ex-Proof - IS  
IEC 60079  
Zone II, Gas Group IIB T4

**TORQUE RANGE**

50 Nm to 2400 Nm

**VO SERIES**

Single Phase Linear



**SUPPLY VOLTAGE**

220 V AC (± 10%), 50 / 60 Hz  
110 V AC, 24 V DC, 12V DC  
(Available On request)

**ENCLOSURE - IP 67**

Weatherproof - IS / IEC 60529  
**TORQUE RANGE**  
150 Kgf to 3500 Kgf

**UPVC / Polypropylene (PP)  
Ball Valve with Electrical Actuator**



**UPVC Body Butterfly Valve  
with Electrical Actuator**



Available At :

