

# PRO UNI-D CO., LTD.

## New Installation for reducing the cost of water treatment

### 5way motorized control valve



#### **Traditional installation:**

There are 4set 2way control valve for one tank of general water filtering.



With 8pipes.



#### **New installation:**

Customers just need to purchase 1set 5way control valve for one tank, instead of 4set 2way control valve. It **reduces the cost of design PLC and pipes material**, also keep piping installation easily.



With 5 pipes.



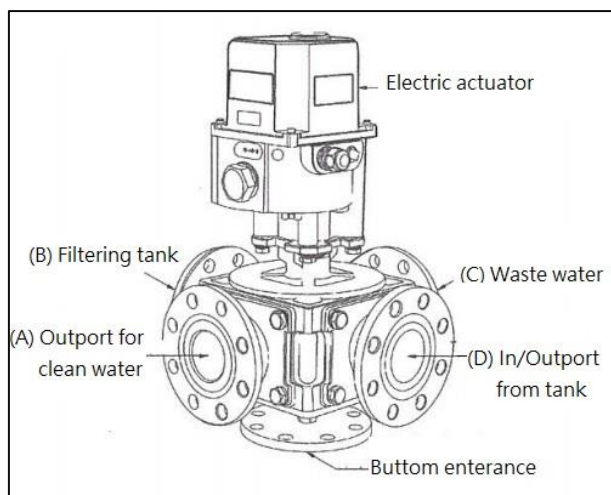
Our new product 5 way control valve available for four function:

1. Filtering;
2. Backwashing;
3. Rinsing;
4. Sedimentation.

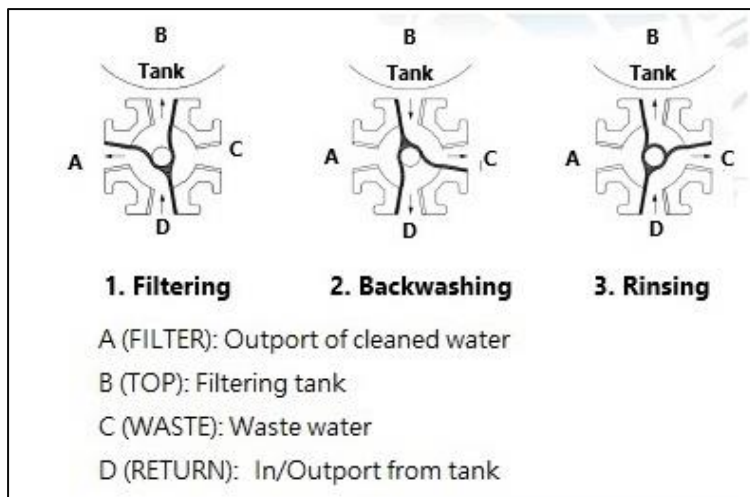
#### **Application Industries:**

Waste water treatment, fiber filter system (sand, tea, and wine...etc,) chemical treatment (iron, manganese, heavy metal removed...etc,) RO water treatment, soften water treatment, irrigation and drainage system, fish pool/swimming pool filtering system.

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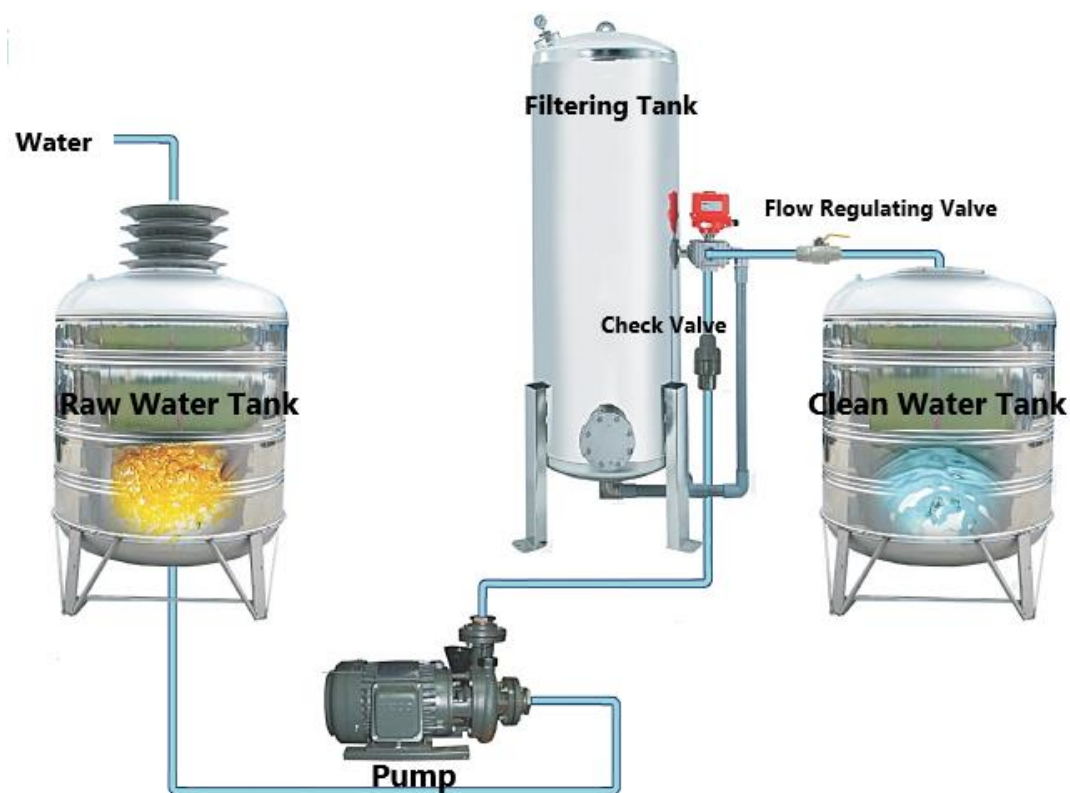
**Diagram for 3" motorized control valve**



**Standard setting by our control box for three function:**

1. Filtering; 2. Backwashing; 3. Rinsing.

## Example for application



### Application industries:

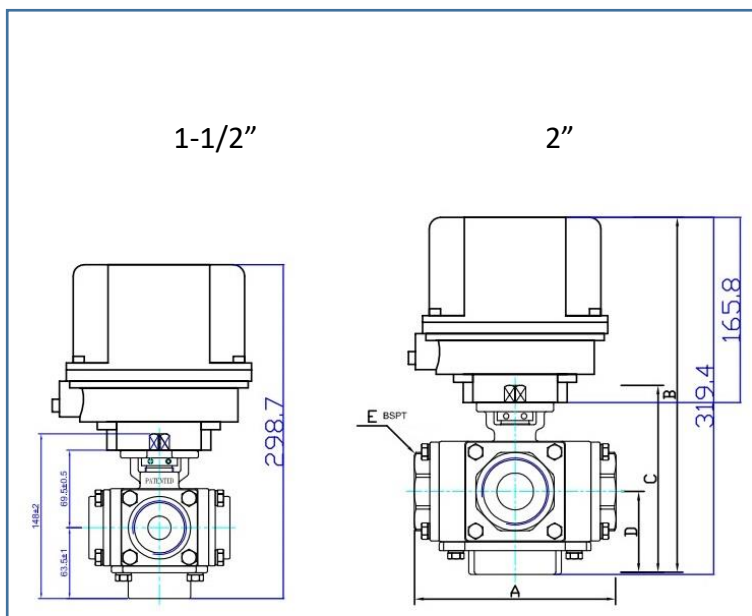
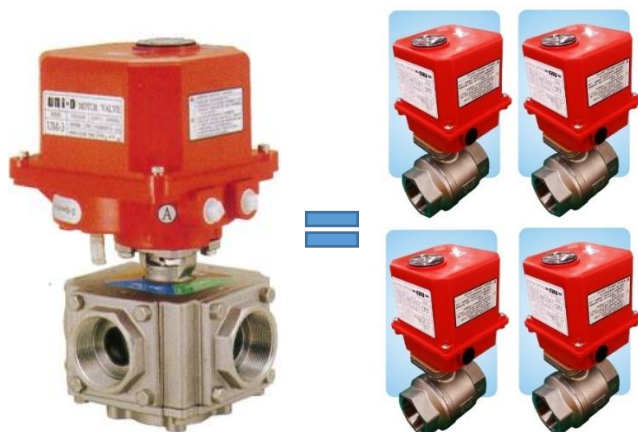
Waste water treatment, fiber filter system (sand, tea, and wine...etc), chemical treatment (iron, manganese, heavy metal removed...etc) RO water treatment, soften water treatment, irrigation and drainage system.

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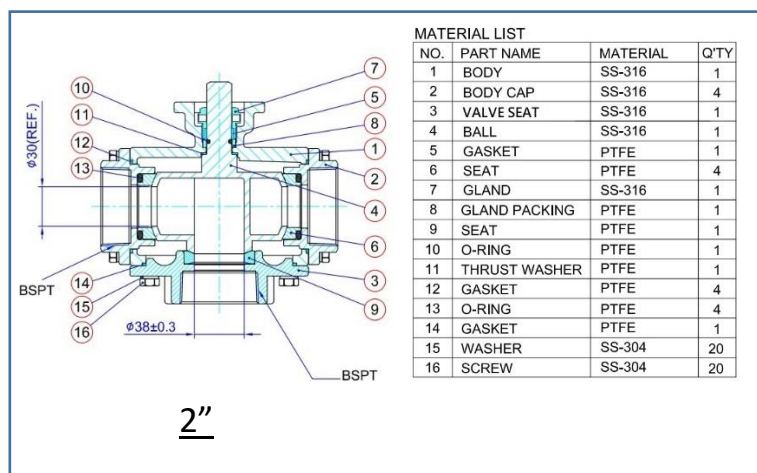
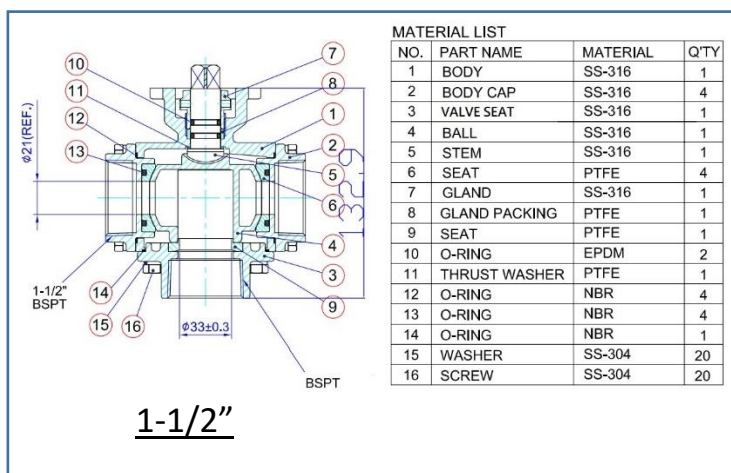
## 5way quarter turn motorized control valve

- Size:  
1-1/2"~2" PT thread end;
- Available pressure: 10kgfcm2.
- Material: VALVE – SS316 PTFE seat  
Actuator housing-Nylon
- Voltage: AC220V single phase
- Standard function (control box):  
Filtering, Backwashing, Rinsing, Add salt, Sedimentation
- Patent:  
NO.M530974 for PLC control box  
NO.M489225 for packing ring on valve

1set 5way control valve can replace 4set 2way thread end control valve.



NO. SIZE	A	B	C	D	E (Thread )	Weight (Kg)	Item no.
1-1/2"	126.2	297	148	63	PT	9.86	UM-3-G3-AC220V-25W-5WAY-DN40
2"	181	320	169	74	PT	16.08	UM-3-G3-AC220V-25W-5WAY-DN50



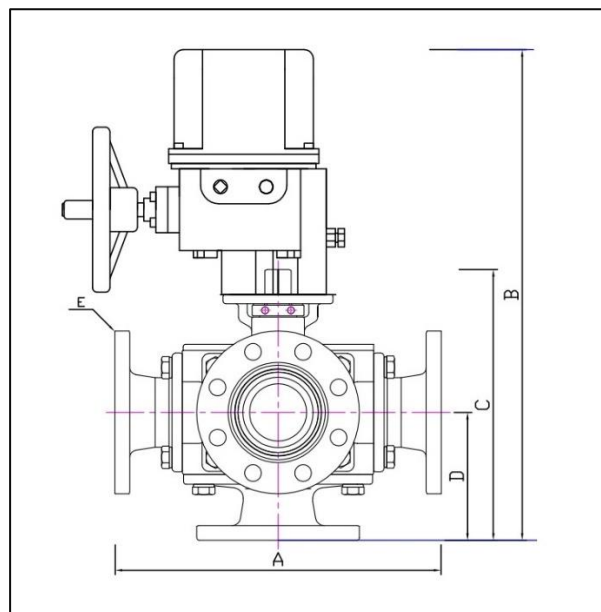
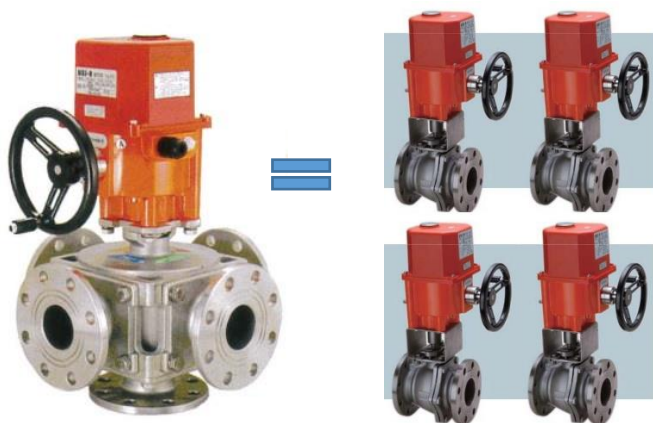


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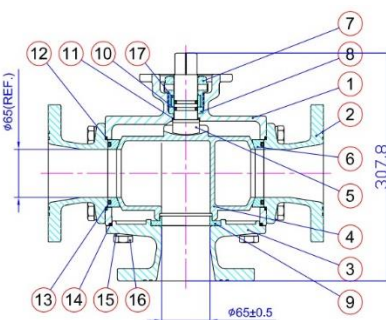
## 5way quarter turn motorized control valve

- Size:  
3"~4" JIS10K flange end;
- Available pressure: 10kgfcm<sup>2</sup>.
- Material: VALVE – SS316 PTFE seat  
Actuator housing-Nylon
- Voltage: AC220V single phase
- Standard function (control box):  
Filtering, Backwashing, Rinsing, Add salt, Sedimentation
- Patent:  
NO.M530974 for PLC control box  
NO.M489225 for packing ring on valve

1set 5way control valve can replace 4set 2way flange end control valve.

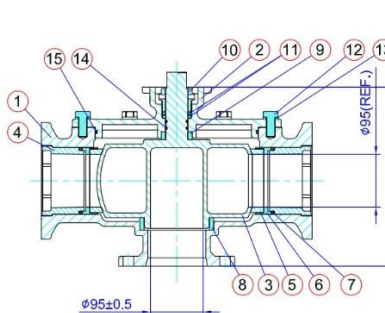


No. SIZE	A	B	C	D	E (Flange)	Weight (Kg)	Item no.
3"	371	558	308	145	JIS10K	60.15	UM-6-G3-AC220V-30W-5WAY-DN80
4"	490	673	348	152	JIS10K	102.50	UM-8-G3-AC220V-100W-5WAY-DN100



3"

MATERIAL LIST			
NO.	PART NAME	MATERIAL	Q'TY
1	BODY	SS-316	1
2	BODY CAP	SS-316	4
3	VALVE SEAT	SS-316	1
4	BALL	SS-316	1
5	STEM	SS-316	1
6	SEAT	PTFE	4
7	GLAND	SS-316	1
8	GLAND PACKING	PTFE	1
9	SEAT	PTFE	1
10	O-RING	NBR	2
11	THRUST WASHER	PTFE	1
12	O-RING	NBR	4
13	O-RING	NBR	4
14	O-RING	NBR	1
15	WASHER	SS-304	20
16	SCREW	SS-304	20
17	GASKET	PTFE	1



4"

MATERIAL LIST			
NO.	PART NAME	MATERIAL	Q'TY
1	BODY	SS-316	1
2	BODY CAP	SS-316	1
3	BALL	SS-316	1
4	RETAINING RING	SS-316	4
5	SEAT	PTFE	4
6	END CAP	SS-316	4
7	O-RING	NBR	4
8	PACKING	PTFE	1
9	PACKING	PTFE	1
10	GLAND	SS-316	1
11	GLAND PACKING	PTFE	1
12	SCREW	SS-304	6
13	WASHER	SS-304	6
14	O-RING	NBR	2
15	O-RING	NBR	1