

TOMOE

Rubber seated valve for high pressure

735P

New

2.5MPa



Bi-directional rubber seated butterfly valve for building equipment in super high-rise building and high pressure line in processing utility

※ Anti-condensation series are also available. For detail, please consult our sales staff.

Automatic actuator available ※1

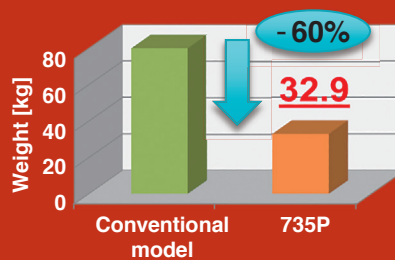
- Max pressure 2.5MPa
- Bi-directional



※1 In case of valve size is under 200mm.

Lightweight and compact

- 60% lighter than conventional model ※2



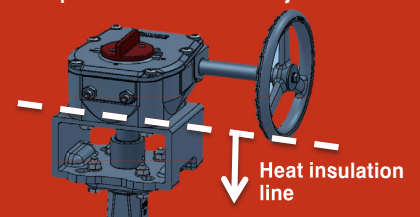
※2 In case of 334A 300A 300Lb wafer type with standard specifications.

Prevention of rusty water

- Stainless steel and EPDM used for fluid contact member

Prevention of condensation (Option)

- No condensation on gear under 5 degrees C water, 34 degrees C ambient temperature and 75% humidity ※3



※3 In case of valve size is 200mm.

TOMOE VALVE CO., LTD.

Standard Specifications

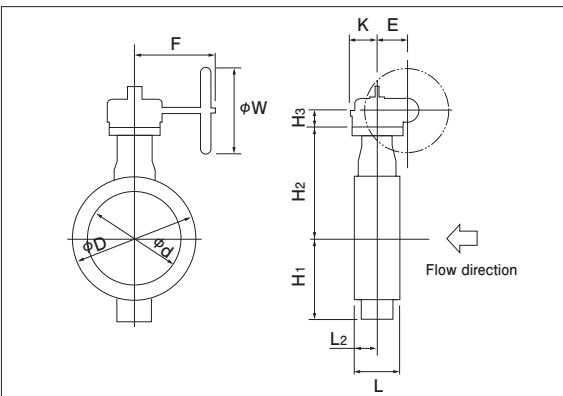
Model	735P		
Valve design	Concentric rubber seated butterfly valve (wafer type)		
Size	50,65,80,100,125,150,200mm	250,300mm	
Max working pressure	2.5MPa		
Seat leakage	ISO 5208 leakage A (Tight shut off)		
Allowed flow velocity	3m/s (Average when valve is fully open)		
Flow direction	Bi-directional		
Applicable standards	Face to face dimension	JIS B 2002 (Series46) / ISO 5752 (Series20)	
	Applicable flange standard	JIS 20K / 30K	
	Top flange	In compliance with ISO 5211/1	
Standard materials	Body	FCD450	
	Disc	SCS14	
	Shaft	SUS630	
	Seat ring ^{※1}	EPDM	
Working temperature range	0°C~70°C		
Working temperature in continuous use ^{※2}	0°C~70°C		
Test pressure	Body shell test	3.75MPa (Hydraulic)	
	Seat leakage	2.75MPa (Hydraulic)	
Pipe gasket ^{※3}	Not required		
Coating	Epoxy resin coating (Munsell N7)		
Actuators	Worm gear, Pneumatic cylinder, Electric moter	Worm Gear	

※1 Fluid containing chlorine can accelerate damage to rubber seat ring. For detail, please consult our sales staff.

※2 "Working temperature in continuous use" stands for the temperature continuously kept for over one hour. Provided that fluid is not frozen inside.

※3 When surface of flange is not smooth enough or re-installing removed valve, we recommend you to use gasket.

Dimension



※Other actuators such as pneumatic cylinder and electric motor are also available.

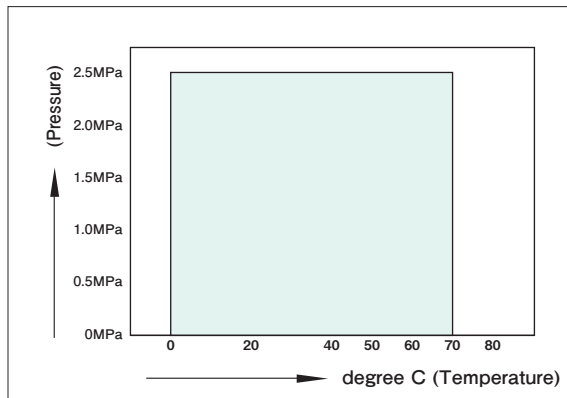
[735P-2U]

Nominal size		Dimension (mm)										Gear type	Approx. mass (kg)
mm	inch	φd	L	φD	H1	H2	H3	E	K	F	φW		
50	2	54	43	102	68	138	29.5	36	46	160	100	2U-0	4.2
65	2 1/2	67	46	122	79	151	29.5	36	46	160	100	2U-0	4.8
80	3	82	46	138	86	156	29.5	36	46	160	100	2U-1	5.2
100	4	103	52	163	103	167	29.5	36	46	160	100	2U-1	6.2
125	5	129	56	200	118	191	34.5	44	53	173.5	160	2U-2	10.7
150	6	152	56	235	135	202.5	34.5	44	53	173.5	160	2U-2	12.6
200	8	198	60	280	177	227.5	146.0	87.5	90	222.5	200	2U-4	30.9
250	10	251	68	353	216	280.5	146.0	87.5	90	222.5	200	2U-4	40.9
300	12	300	78	403	254	312.5	148.0	90	105	266	280	2U-5	55.6

※Please read instruction manual before use.

※Open column is installed between valve and gear in case of 200 to 300mm.

Pressure-Temperature Rating



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