

ASAHI AV VALVE AND PIPING SYSTEMS

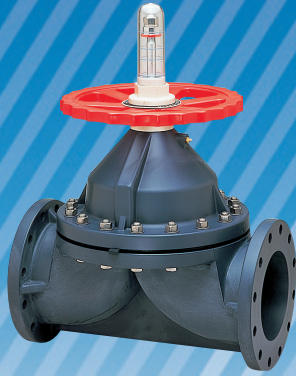
ASAHI AV VALVES

DIAPHRAGM VALVE TYPE 72 200mm, 250mm(8inch, 10inch)



DIAPHRAGM VALVE TYPE 72 200mm, 250mm(8inch, 10inch)

● 200mm(8inch)·250mm(10inch)



FEATURES

Sealed Bonnet

Having a sealed bonnet with an O-ring, prevents rain water or external atmosphere from entering the bonnet, DIAPHRAGM VALVE TYPE 72 can be safely used outdoors.

Sealed Indicator

Because a clear indicator gauge protects the exposed metallic part on top of the stem against atmosphere, corrosive gas or fluid does not of the valve.

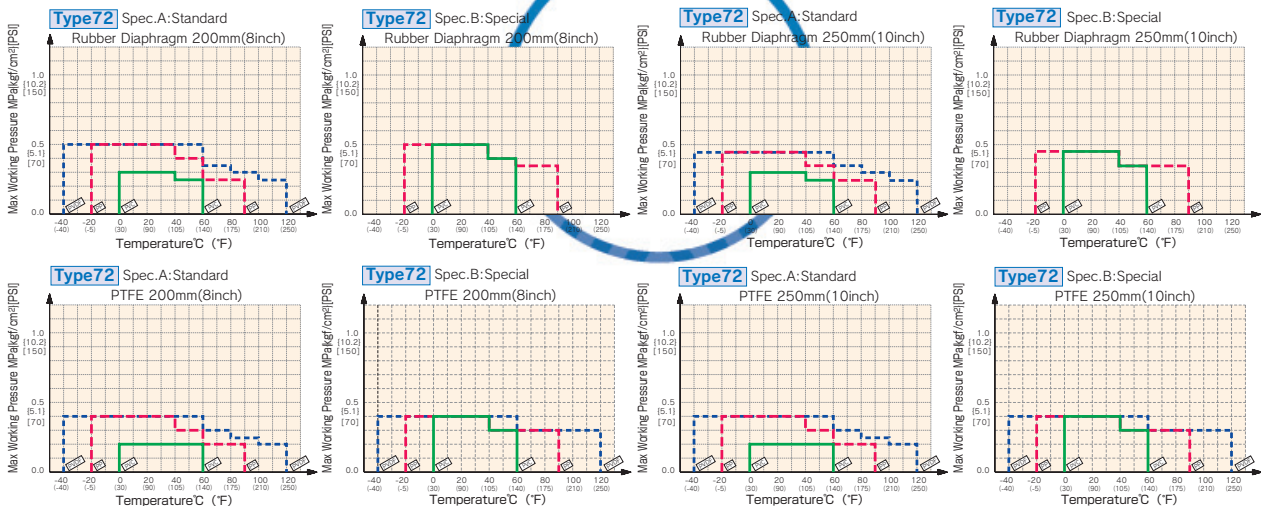
Position Indication

The position indicator also shows the degree of the valve position.

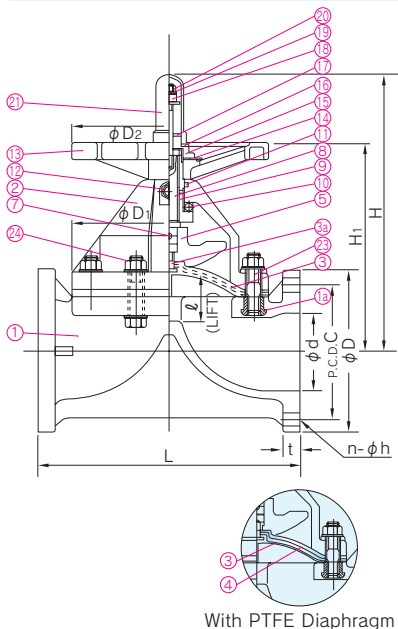
MATERIAL AND WORKING TEMPERATURE

Body material	Nominal size mm(inch)	Working Temperature °C (°F)	Max. Working Pressure at 20°C(70°F) MPa[kgf/cm ²] [PSI]			
			Rubber Diaphragm		PTFE Diaphragm	
			200mm(8inch)	250mm(10inch)	200mm(8inch)	250mm(10inch)
PVC	200(8)·250(10)	0 - 60(30 - 140)	0.3{3.1}[40]	0.3{3.1}[40]	0.2{2.0}[30]	0.2{2.0}[30]
PP	200(8)·250(10)	-20 - 90(-5 - 195)	0.5{5.1}[70]	0.45{4.6}[65]	0.4{4.1}[55]	0.4{4.1}[55]
PVDF	200(8)·250(10)	-40 - 120(-40 - 250)	0.5{5.1}[70]	0.45{4.6}[65]	0.4{4.1}[55]	0.4{4.1}[55]

WORKING PRESSURE VS. TEMPERATURE



DIMENSION



PARTS & MATERIALS

No.	DESCRIPTION	Pcs.	MATERIAL	No.	DESCRIPTION	Pcs.	MATERIAL
①	BODY	1	BODY/BONNET PVC/PVC PP/PP PVDF/PPG PVDF/PVDF	⑪	O-RING(A)	1	NBR
②	BONNET	1		⑫	GREASE NIPPLE	1	COPPER ALLOY (C3604)
③	DIAPHRAGM	1	EPDM,PTFE,FKM,NBR VIFLON F (FKM-F) VIFLON C (FKM-C)	⑬	HAND WHEEL	1	PP
				⑭	NAME PLATE	1	PVC
				⑮	CAP	1	PP
④	CUSION ¹⁾	1	EPDM	⑯	SEAT GASKET(A)	1	EPDM
⑤	COMPRESSOR	1	GRAY IRON CASTING	⑰	SEAT RING	1	STAINLESS STEEL304
⑥	COMPRESSOR NUT	1	COPPER ALLOY (C3604)	⑱	STOPPER	1	CHROMIZED STEEL (S5400)
⑦	COMPRESSOR PIN	1	STAINLESS STEEL304	⑲	SPRING WASHER	1	STAINLESS STEEL304
⑧	STEM	1	SUM23	⑳	SET NUT	1	STAINLESS STEEL304
⑨	SLEEVE(A)	1	GRAY IRON CASTING	㉑	GAUGE COVER	1	POLYCARBONATE
⑩	THRUST BEARING(A)	1	HIGH CARBON CHROMIUM BEARING(SUJ2)	㉒	STUD BOLT·NUT	—	STAINLESS STEEL304
				㉓	BOLT·NUT	—	STAINLESS STEEL304
				㉔	INSERTED NUT	—	COPPER ALLOY (C3604) ²⁾ STAINLESS STEEL304 ³⁾
				㉕	INSERTED METAL OF DIAPHRAGM	1	STAINLESS STEEL304 Others

Note : 1) Used for PTFE Diaphragm
2) Used for PVC,PP Body
3) Used for PVDF Body

DIMENSIONS TABLE

DIN														Unit:mm	
Nominal Size		* d	DIN 2501 PN10				* D ₁	D ₂	ℓ	L	t		* H ₁	H	
mm	inch		C	* D	h	n					PVC	PP,PVDF			
200	8	196	295	340	22	8	430	410	95	600	30	34	419	627	
250	10	247	350	395	22	12	540	560	128	730	34	36	510	778	

*.....Standard dimensions based on PVC material

ANSI														Unit:inch	
Nominal Size		* d	ANSI CLASS 150				* D ₁	D ₂	ℓ	L	t		* H ₁	H	
inch	mm		C	* D	h	n					PVC,PP,PVDF				
8	200	7.72	11.75	13.50	0.88	8	16.93	16.14	3.74	22.44	1.26		16.50	24.69	
10	250	9.72	14.25	16.00	1.00	12	21.26	22.05	5.04	26.77	1.46		20.08	30.63	

*.....Standard dimensions based on PVC material

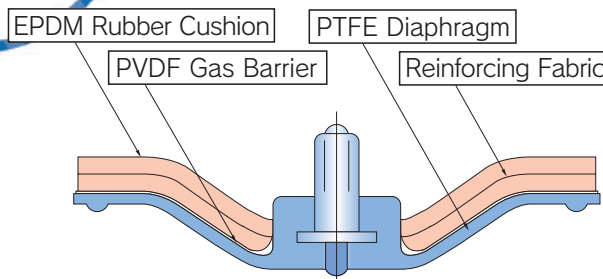
SPEC. A (Standard)	Body Material:PVC Diaphragm Material : Rubbers or PTFE		Body Material:PP Diaphragm Material : Rubbers or PTFE		Body Material:PVDF Diaphragm Material : Rubbers or PTFE	
	SPEC. B (Special)	Body Material:PVC Diaphragm Material : Rubbers or PTFE		Body Material:PP Diaphragm Material : Rubbers or PTFE		Body Material:PVDF Diaphragm Material : PTFE

DIAPHRAGM VALVE TYPE 72

- We recommend that a PVDF Gas Barrier should be installed with PTFE DIAPHRAGM VALVE if it is used in an application that has corrosive gas.
- Temperature variations during operation or long periods of storage may cause the diaphragm to settle. In this case, it is recommended to check bonnet bolt torque,prior to installation(See the table below).

▼ Tightening Torque for Diaphragm Valve Bonnet for TYPE 72

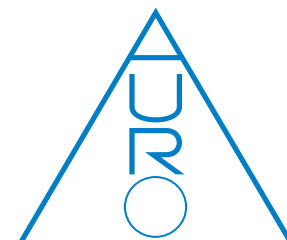
Material	Nominal Size	Unit:N•m(kgf•cm)	
	mm(inch)	200 (8)	250 (10)
Rubber Diaphragm		25.0 {255}	25.0 {255}
PTFE Diaphragm		25.0 {255}	25.0 {255}



Diaphragm with PVDF Gas Barrier

MATERIAL AND WORKING TEMPERATURE (SPEC. B-Special)

Body material	Nominal size mm(inch)	Working Temperature °C (°F)	Max. Working Pressure at 20°C(70°F) MPa(kgf/cm ²) [PSI]			
			Rubber Diaphragm		PTFE Diaphragm	
			200mm(8inch)	250mm(10inch)	200mm(8inch)	250mm(10inch)
PVC	200(8)•250(10)	0 - 60(30 - 140)	0.5{5.1}[70]	0.45{4.6}[65]	0.4{4.1}[55]	0.4{4.1}[55]
PP	200(8)•250(10)	-20 - 90(-5 - 195)	0.5{5.1}[70]	0.45{4.6}[65]	0.4{4.1}[55]	0.4{4.1}[55]
PVDF	200(8)•250(10)	-40 - 120(-40 - 250)	—	—	0.4{4.1}[55]	0.4{4.1}[55]



AURO LOCATIONS

AURO Armaturen- und RohrhandelsgesmbH
Lichtblaustraße 21
A-1220 Wien
Austria
Tel: +43/1/2565555
Fax: +43/1/25655555
E-Mail: wien@auro.cc

AURO Bulgaria EOOD
Illianci
3, Azalia Str.
BG-Sofia 1271
Bulgaria
Tel: +359/2/4894519
Fax: +359/2/4894722
E-Mail: bulgaria@auro.cc

AURO spol s.r.o
Technická 2/539
CZ-66448 Moravany u Brna
Czech Republic
Tel: +420/54/5233328
Fax: +420/54/5234753
E-Mail: auro@auro.cz

SC AURO Romania SRL
25-27, Celofibrei Str.
RO-077025 Bragadiru
Judetul Ilfov
Romania
Tel: +40/21/4205217
Fax: +40/21/4205218
E-Mail: romania@auro.cc

AURO Budapest Kft.
Gyár u. 2
H-2040 Budaörs
Hungaria
Tel: +36/23/503920
Fax: +36/23/503921
E-Mail: aurobp@aurobp.hu