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ASAHI AV VALVE AND PIPING SYSTEMS

ASAHI AV VALVES

The specifications in this brochure are subject to change without prior notice due to improvements and modifications.

ASAHI AV VALVES

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Asahi AV Products

Make Your Systems More Sophisticated.



DIAPHRAGM VALVE
TYPE14

(Page 8 - 9)



TRUE UNION
DIAPHRAGM VALVE TYPE14

(Page 10 - 11)



DIAPHRAGM VALVE
TYPE15

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DIAPHRAGM VALVE
TYPE72

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LAB COCK

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BUTTERFLY VALVE
TYPE57

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BUTTERFLY VALVE
TYPE56

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BUTTERFLY VALVE
TYPE75

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SWING CHECK VALVE

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BALL CHECK AND
BALL FOOT VALVE

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Y-SEDIMENT STRAINER

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To meet your specific requirements, Asahi AV Valves are made of wide variety of materials and are available in various types and sizes.

You are surely making the best choice for your systems when selecting Asahi AV products.



**BALL VALVE
TYPE21**
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**3-WAY BALL VALVE
TYPE23**
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**3-WAY BALL VALVE
TYPE23H**
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COMPACT BALL VALVE
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**BUTTERFLY VALVE
TYPE57L(LUG STYLE)**
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**BUTTERFLY VALVE
TYPE55**
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PDCPD BUTTERFLY VALVE
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ROTARY DAMPER
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**DIAPHRAGM VALVE TYPE 14,
PNEUMATIC ACTUATED MODEL**
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**T.U. DIAPHRAGM VALVE TYPE 14,
PNEUMATIC ACTUATED MODEL**
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AV GASKET
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Range of Nominal Size and Materials

Type			DIAPHRAGM VALVE TYPE 14	TRUE UNION DIAPHRAGM VALVE TYPE 14																	
Body Materials			PVC, C-PVC, PP, PVDF	PVC		C-PVC		PP		PVDF											
End Connectors			Flanged	Threaded	Socket	Threaded	Socket	Threaded	Socket (welded)	Threaded	Socket [※] (welded)	Spigot [※]									
Nominal Size	mm	inch																			
	15	1/2											○	○	○	○	○	○	○	○	○
	20	3/4											○	○	○	○	○	○	○	○	○
	25	1											○	○	○	○	○	○	○	○	○
	32	1 1/4											○	○	○	○	○	○	○	○	○
	40	1 1/2											○	○	○	○	○	○	○	○	○
	50	2											○	○	○	○	○	○	○	○	○
	65	2 1/2											○	—	—	—	—	—	—	—	—
	80	3											○	—	—	—	—	—	—	—	—
	100	4	○	—	—	—	—	—	—	—	—										

Type			DIAPHRAGM VALVE TYPE 15
Body Materials			PVC, PP, PVDF
End Connectors			Flanged
Nominal Size	mm	inch	
	125	5	○
	150	6	○

Type			DIAPHRAGM VALVE TYPE 72
Body Materials			PVC, PP, PVDF
End Connectors			Flanged
Nominal Size	mm	inch	
	200	8	○
	250	10	○

Type			BALL VALVE TYPE 21												
Body Materials			PVC			C-PVC			PP			PVDF			
End Connectors			Flanged	Threaded	Socket	Flanged	Threaded	Socket	Flanged	Threaded	Socket (welded)	Flanged	Threaded	Socket (welded)*	Spigot*
Nominal Size	mm	inch													
	15	1/2	○	○	○	○	○	○	○	○	○	○	○	○	○
	20	3/4	○	○	○	○	○	○	○	○	○	○	○	○	○
	25	1	○	○	○	○	○	○	○	○	○	○	○	○	○
	32	1 1/4	○	○	○	○	○	○	○	○	○	○	○	○	○
	40	1 1/2	○	○	○	○	○	○	○	○	○	○	○	○	○
	50	2	○	○	○	○	○	○	○	○	○	○	○	○	○
	65	2 1/2	○	○	○	○	○	○	○	○	○	○	○	○	○
	80	3	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	4	○	○	○	○	○	○	○	○	○	○	○	○	○

Type	LAB COCK
Body Materials	PVC
End Connectors	Male Thread, Female Thread, Hose
Nominal Size	Male Thread 1/4 1/2
	Female Thread 1/4 3/8

Type			3-WAY BALL VALVE TYPE 23											COMPACT BALL VALVE			
Body Materials			PVC			C-PVC			PP		PVDF			PVC		C-PVC	
End Connectors			Flanged	Threaded	Socket	Flanged	Threaded	Socket	Threaded	Socket (welded)	Flanged	Threaded	Socket (welded)	Threaded	Socket	Threaded	Socket
Nominal Size	mm	inch															
	13	3/8	—	—	—	—	—	—	—	—	—	—	—	○	○	○	○
	15	1/2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	20	3/4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	25	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	32	1 1/4	—	—	—	—	—	—	—	—	—	—	—	○	○	○	○
	40	1 1/2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	50	2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	65	2 1/2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	80	3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	100	4	○	○	○	○	○	○	○	○	○	○	○	—	—	—	—

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Type		BUTTERFLY VALVE TYPE 57			BUTTERFLY VALVE TYPE 56		BUTTERFLY VALVE TYPE 75		BUTTERFLY VALVE TYPE 57L (Lug Style)		ROTARY DAMPER			BUTTERFLY VALVE TYPE 55	Type	PDCPD BUTTERFLY VALVE
Body Materials		PVC	PP	PVDF	PP	PVDF	PP	PVDF	PDCPD	PVC	PVC (PP DISC)	PP	PVDF	FCD-S	Body Materials	PDCPD
End Connectors		Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Wafer	Models	Wafer
Nominal Size	mm	inch	○	○	○	—	—	—	—	—	○	○	○	—	mm	inch
	40	1 1/2	○	○	○	—	—	—	—	—	○	○	○	○	700	28
	50	2	○	○	○	—	—	—	—	—	○	○	○	○	800	32
	65	2 1/2	○	○	○	—	—	—	—	—	○	○	○	○	850	34
	80	3	○	○	○	—	—	—	○	○	○	○	○	○	900	36
	100	4	○	○	○	—	—	—	○	○	○	○	○	○	1000	40
	125	5	○	○	○	—	—	—	—	—	○	○	○	○	1100	44
	150	6	○	○	○	—	—	—	○	○	○	○	○	○	1200	48
	200	8	○	○	○	—	—	—	—	○	○	○	○	○		
	250	10	○	○	○	—	—	—	—	○	○	○	○	○		
	300	12	○	○	○	—	—	—	—	○	○	○	○	—		
	350	14	○	○	○	—	—	—	—	—	○	○	○	—		
	400	16	—	—	—	○	○	—	—	—	—	○	○	—		
Nominal Size	450	18	—	—	—	—	—	○	○	—	—	○*	○	—		
	500	20	—	—	—	—	—	○	○	—	—	—	○	—		
	600	24	—	—	—	—	—	○	○	—	—	—	○	—		
			—	—	—	—	—	○	○	—	—	—	○	—		

Type		SWING CHECK VALVE		
Body Materials		HI-PVC	PP	PVDF
End Connectors		Flanged	Flanged	Flanged
Nominal Size	mm	inch	○	○
	15	1/2	○	○
	20	3/4	○	○
	25	1	○	○
	32	1 1/4	○	○
	40	1 1/2	○	○
	50	2	○	○
	65	2 1/2	○	○
	80	3	○	○
	100	4	○	○
	125	5	○	○
	150	6	○	○
	200	8	○	○

Type		BALL CHECK VALVE AND BALL FOOT VALVE									
Body Materials		PVC			C-PVC			PP		PVDF	
End Connectors		Flanged	Threaded	Socket	Flanged	Threaded	Socket	Threaded	Socket (welded)	Threaded	Socket (welded)
Nominal Size	mm	inch	○	○	○	○	○	○	○	○	○
	15	1/2	○	○	○	○	○	○	○	○	○
	20	3/4	○	○	○	○	○	○	○	○	○
	25	1	○	○	○	○	○	○	○	○	○
	32	1 1/4	—	—	—	—	—	—	—	—	—
	40	1 1/2	○	○	○	○	○	○	○	○	○
	50	2	○	○	○	○	○	○	○	○	○
	65	2 1/2	—	—	—	—	—	—	—	—	—
	80	3	○	○	○	○	○	○*	○	○	○
	100	4	○	○	○	○	○	○	○	○	○

Type		TRUE UNION BALL CHECK VALVE									
Body Materials		PVC			C-PVC			PP		PVDF	
End Connectors		Flanged	Threaded	Socket	Flanged	Threaded	Socket	Threaded	Socket (welded)	Threaded	Socket (welded)
Nominal Size	mm	inch	○	○	○	○	○	○	○	○	○
	15	1/2	○	○	○	○	○	○	○	○	○
	20	3/4	○	○	○	○	○	○	○	○	○
	25	1	○	○	○	○	○	○	○	○	○
	32	1 1/4	—	—	—	—	—	—	—	—	—
	40	1 1/2	○	○	○	○	○	○	○	○	○
	50	2	○	○	○	○	○	○	○	○	○

Type		STRAINER(Y)		
Body Materials		PVC(Clear)		
End Connectors		Flanged	Threaded	Flanged
Nominal Size	mm	inch	○	○
	15	1/2	○	○
	20	3/4	○	○
	25	1	○	○
	32	1 1/4	—	—
	40	1 1/2	○	○
	50	2	○	○
	65	2 1/2	—	—
	80	3	○	○
	100	4	○	○

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Diaphragm Valve Type 14 (Pneumatic Actuated Type AN)15mm-50mm(1/2inch-2inch)

Body Material

PVC
C-PVC
PP
PVDF

Diaphragm Material

PTFE
EPDM
FKM
Viflon C (FKM-C)
Viflon F (FKM-F)

Connection Standard

JIS 10K
ANSI CLASS150
DIN PN10

Action

Double Acting
Air to Open
Air to Close

Equipment

Indicator

Option

• Filter Regulator
• Solenoid Valve
• Limit Switch
• Speed Controller
• Manual Override
※for air to open
• Positioner



FEATURES

- The Actuator made of resin is Light and Compact.
- NAMUR Standard is applied for Air Piping.
- All optional Equipment (except positioner) can easily be added or removed in the field.
- A Closing Travel Stop Mechanism is Standard.

OPTIONAL EQUIPMENT

Combination No.	1	2	3	4	5	6	7	8	9
Solenoid Valve※	○	—	—	○	○	—	○	—	—
Filter Regulator	—	—	—	○	—	—	○	—	○
Speed Controller	◎	○	—	◎	◎	○	◎	—	—
Limit Switch	—	—	○	—	○	○	○	—	—
Positioner (electric-air, ait-air)	—	—	—	—	—	—	—	○	○

◎Indicates specialized for Solenoid Valve.
※With built-in speed controller and bypass valve.

ACTUATOR SPECIFICATION [Double Acting]

Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1DA		AN-2DA		AN-3DA	AN-4DA
Operating Pressure Mpa(kgf/cm ²)	0.4{4.1} - 0.6{6.1}					
Air Consumption NI /open & close (at operating pressure 0.4NPa)	2.6	2.6	2.7	2.7	9.6	9.8
Air Supply Bore	Rc 1/4					

ACTUATOR SPECIFICATION [Air to Open]

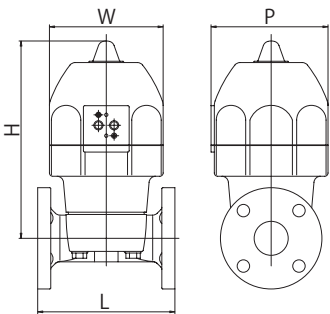
Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1AO		AN-2AO		AN-3AO	AN-4AO
Operating Pressure Mpa(kgf/cm ²)	0.4{4.1} - 0.6{6.1}					
Air Consumption NI /open & close (at operating pressure 0.4NPa)	0.8	0.8	0.8	0.8	3.4	3.4
Air Supply Bore	Rc 1/4					

ACTUATOR SPECIFICATION [Air to Close]

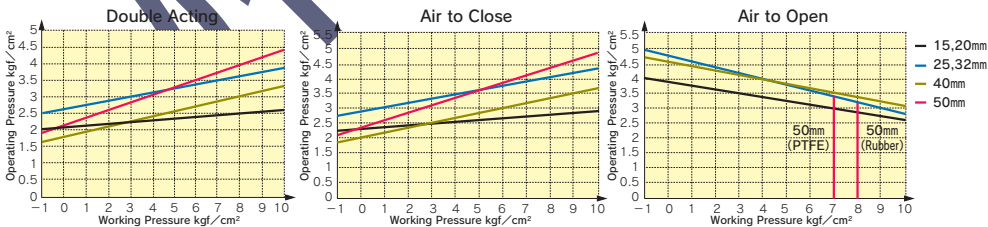
Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1AS		AN-2AS		AN-3AS	AN-4AS
Operating Pressure Mpa(kgf/cm ²)	0.4{4.1} - 0.6{6.1}					
Air Consumption NI /open & close (at operating pressure 0.4NPa)	1.8	1.8	1.9	1.9	6.1	6.3
Air Supply Bore	Rc 1/4					

* for the actuator with lubricant free valves contact near Asahi dealer.

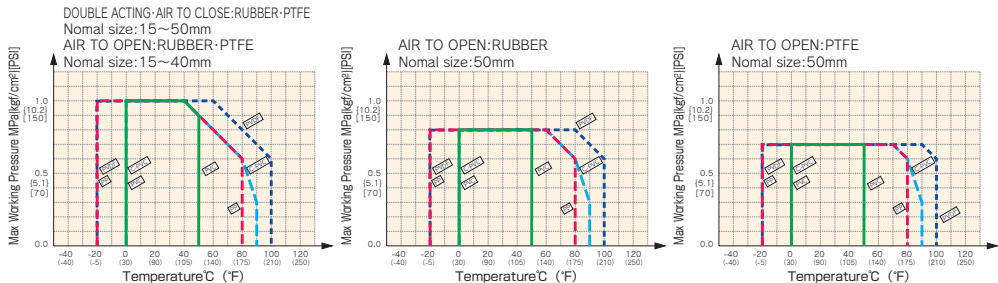
DIMENSIONS FIGURE



OPERATION PRESSURE vs WORKING PRESSURE



WORKING PRESSURE VS.TEMPERATURE



DIMENSIONS TABLE

ANSI, DIN							Unit:mm(inch)	
Nominal Size		15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
L	ANSI	DIN	130 (5.12)	150 (5.91)	160 (6.30)	180 (7.09)	200 (7.87)	230 (9.06)
		A Standard	110 (4.33)	120 (4.72)	130 (5.12)	— —	180 (7.09)	210 (8.27)
		G Standard	108 (4.25)	149 (5.88)	149 (5.88)	213 (8.38)	176 (6.94)	202 (7.94)
	H		186 (7.32)	188 (7.4)	193 (7.6)	197 (7.76)	293 (11.54)	302 (11.89)
W		130 (5.12)	130 (5.12)	130 (5.12)	130 (5.12)	174 (6.85)	174 (6.85)	
P		133 (5.24)	133 (5.24)	133 (5.24)	133 (5.24)	179 (7.05)	179 (7.05)	

True Union Diaphragm Valve Type 14 (Pneumatic Actuated Type AN) 15mm-50mm (1/2 inch-2 inch)

Body Material

PVC
C-PVC
PP
PVDF

Diaphragm Material

PTFE
EPDM
FKM
Viflon C (FKM-C)
Viflon F (FKM-F)

Connection Standard

Socket End JIS
Socket End ASTM SCH80
Socket End DIN
Threaded End Rc
Threaded End NPT
Threaded End Rp

Action

Double Acting
Air to Open
Air to Close

Equipment

Indicator

Option

- Filter Regulator
- Solenoid Valve
- Limit Switch
- Speed Controller
- Manual Override
- ※ for air to open
- Positioner



FEATURES

- The Actuator made of Resin is Light and Compact.
- NAMUR Standard is applied for air piping.
- All Optional Equipment(except positioner) can easily be added or removed in the Field.
- A Closing Travel Stop mechanism is standard.

OPTIONAL EQUIPMENT

Combination No.	1	2	3	4	5	6	7	8	9
Solenoid Valve※	○	—	—	○	○	—	○	—	—
Filter Regulator	—	—	—	○	—	—	○	—	○
Speed Controller	◎	○	—	◎	◎	○	◎	—	—
Limit Switch	—	—	○	—	○	○	○	—	—
Positioner (Electric-Air, Air-Air)	—	—	—	—	—	—	—	○	○

◎ Indicates specialized for Solenoid Valve.

※ With built-in speed controller and bypass valve.

ACTUATOR SPECIFICATION [Double Acting]

Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1DA		AN-2DA		AN-3DA	AN-4DA
Operating Pressure Mpa[kgf/cm ²]	0.4{4.1} - 0.6{6.1}					
Air Consumption NI /Open & Close (at operating pressure 0.4NPa)	2.6	2.6	2.7	2.7	9.6	9.8
Air Supply Bore	Rc 1/4					

ACTUATOR SPECIFICATION [Air to Open]

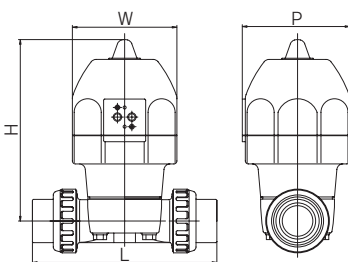
Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1AO		AN-2AO		AN-3AO	AN-4AO
Operating Pressure Mpa(kgf/cm²)	0.4(4.1) - 0.6(6.1}					
Air Consumption NI /Open & Close (at operating pressure 0.4NPa)	0.8	0.8	0.8	0.8	3.4	3.4
Air Supply Bore	Rc 1/4					

ACTUATOR SPECIFICATION [Air to Close]

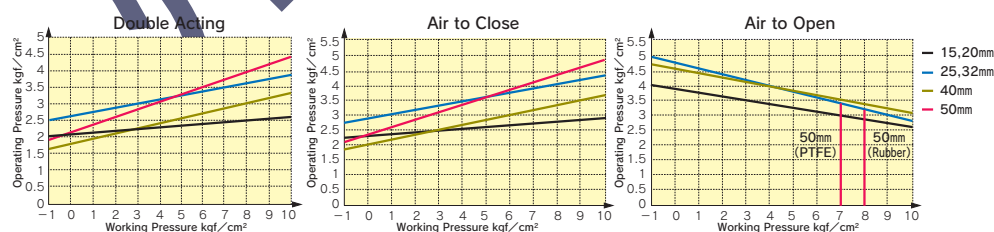
Nominal Size mm(inch)	15(1/2inch)	20(3/4inch)	25(1inch)	32(1 1/4inch)	40(1 1/2inch)	50(2inch)
Actuator Type	AN-1AS		AN-2AS		AN-3AS	AN-4AS
Operating Pressure Mpa(kgf/cm²)	0.4(4.1) - 0.6(6.1)					
Air Consumption NI /Open & Close (at operating pressure 0.4NPa)	1.8	1.8	1.9	1.9	6.1	6.3
Air Supply Bore	Rc 1/4					

* for the actuator with lubricant free valves consult near Asahi dealer.

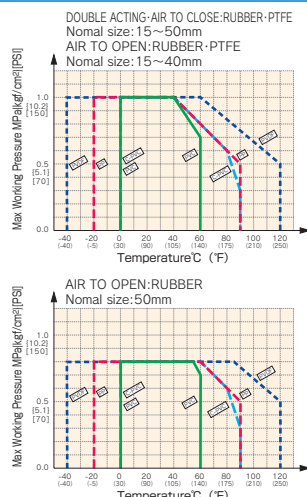
DIMENSIONS FIGURE



OPERATION PRESSURE vs WORKING PRESSURE



WORKING PRESSURE VS. TEMPERATURE



DIMENSIONS TABLE

ANSI, DIN										Unit:mm(inch)									
Nominal Size				15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	Nominal Size				15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
Threaded End	L	PVC, C-PVC	DIN	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	281 (11.06)	Socket End	L	PP	DIN	125 (4.92)	141 (5.55)	164 (6.46)	177 (6.97)	231 (9.09)	274 (10.79)
			ANSI	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	281 (11.06)				ANSI	138 (5.43)	155 (6.09)	184 (7.24)	198 (7.80)	261 (10.28)	293 (11.54)
		PP, PVDF	DIN	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	278 (10.95)			PVDF	ANSI	138 (5.43)	155 (6.09)	184 (7.24)	198 (7.80)	261 (10.28)	293 (11.54)
			ANSI	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	278 (10.95)				H	186 (7.32)	188 (7.4)	193 (7.6)	197 (7.76)	293 (11.54)	302 (11.89)
Socket End	Common	PVC, C-PVC	DIN	128 (5.04)	147 (5.79)	172 (6.77)	188 (7.4)	246 (9.69)	294 (11.57)	Common	W	DIN	130 (5.12)	130 (5.12)	130 (5.12)	130 (5.12)	174 (6.85)	174 (6.85)	
			ANSI	139 (5.47)	157 (6.18)	186 (7.32)	202 (7.95)	266 (10.47)	293 (11.54)			P	133 (5.24)	133 (5.24)	133 (5.24)	133 (5.24)	179 (7.05)	179 (7.05)	

AV GASKET

Full face Type
Rubber GasketRing Type Gasket
(JIS only)

PTFE coated



PVDF coated

● MATERIAL : EPDM, PTFE, PVDF, CSM, FKM, IIR, Viton F, C

FEATURES

- AV GASKETS offer Similar sealing performance with $\frac{1}{3}$ bolt tightening torque, compared to flat or envelope style gaskets.
- Uniform dimension, fine surface, suitable hardness.
- Long service life.
- Unique Convex Design.

SPECIFICATIONS

Material	Working Temperature	SIZE AVAILABILITY BY STANDARD		
		JIS	ANSI	DIN
EPDM	-40°C - 90°C (-40°F - 195°F)	15mm - 350mm	$\frac{1}{2}$ inch - 16inch *1	15mm - 350mm
PTFE	-40°C - 120°C (-40°F - 250°F)	15mm - 300mm	$\frac{1}{2}$ inch - 12inch	15mm - 300mm
PVDF	-40°C - 120°C (-40°F - 250°F)	15mm - 300mm	$\frac{1}{2}$ inch - 10inch *2	15mm - 300mm
VITON	-5°C - 150°C (-5°F - 280°F)	15mm - 200mm	—	—

Working temperature is different depending on type of fluid.

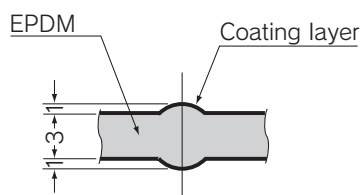
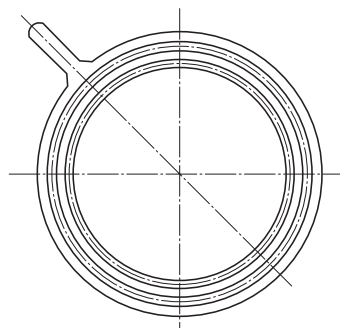
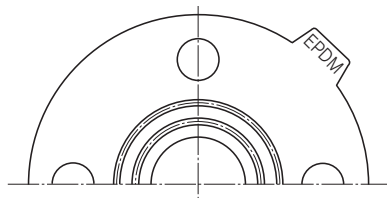
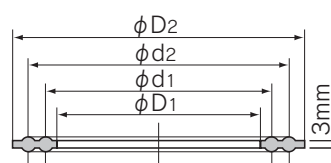
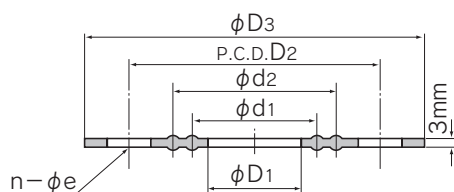
Viton-F has superior resistance to inorganic acids such as HNO₃, HF and HCl.

Viton-C has superior resistance to chlorine containing media such as Chlorine Water, NaCl and ClO₂.

*1 14inch, 16inch: FLAT FULL FACE

*2 Except for $\frac{1}{4}$ inch and

DIMENSIONS



Type	Nominal Size	Thickness
PTFE	15mm($\frac{1}{2}$ inch) to 300mm(12inch)	0.3-0.4mm(0.012-0.016inch)
PVDF	15mm($\frac{1}{2}$ inch) to 65mm(2 $\frac{1}{2}$ inch) 80mm(3inch) to 300mm(12inch)	0.4-0.5mm(0.016-0.020inch)

DIMENSIONS TABLE

Full-Face Type (DIN 2501)								Unit:mm
Nominal Size		D ₁	D ₂	D ₃	n	e	d ₁	d ₂
mm	inch							
15	1/2	18	65	93	4	14	26	41
20	3/4	22	75	103	4	14	32	47
25	1	30	85	113	4	14	38	53
32	1 1/4	37	100	138	8	18	50	65
40	1 1/2	43	110	148	4	18	54	69
50	2	54	125	163	4	18	68	83
65	2 1/2	69	145	183	4	18	86	101
80	3	80	160	198	8	18	98	112
100	4	102	180	218	8	18	120	138
125	5	127	210	248	8	18	145	166
150	6	150	240	283	8	23	168	190
200	8	198	295	338	8	23	216	247
250	10	249	350	393	12	23	270	306
300	12	300	400	443	12	23	324	352
350	14	350	460	503	16	25	370	390

Full-Face Type (ANSI CLASS150)								Unit:inch
Nominal Size		D ₁	D ₂	D ₃	n	e	d ₁	d ₂
inch	mm							
1/2	15	0.7	2.4	3.4	4	0.6	1.0	1.6
3/4	20	0.9	2.8	3.8	4	0.6	1.3	1.9
1	25	1.2	3.1	4.2	4	0.6	1.5	2.1
1 1/4	32	1.5	3.5	4.5	4	0.6	2.0	2.6
1 1/2	40	1.7	3.9	4.9	4	0.6	2.1	2.7
2	50	2.1	4.7	5.9	4	0.8	2.7	3.3
2 1/2	65	2.7	5.5	6.9	4	0.8	3.4	4.0
3	80	3.2	6.0	7.4	4	0.8	3.9	4.4
4	100	4.0	7.5	8.9	8	0.8	4.7	5.4
5	125	5.0	8.5	9.9	8	0.9	5.7	6.5
6	150	5.9	9.5	10.9	8	0.9	6.6	7.5
8	200	7.8	11.8	13.4	8	0.9	8.5	9.7
10	250	9.8	14.3	15.9	12	1.0	10.6	12.1
12	300	11.8	17.0	18.9	12	1.0	12.8	13.9
14	350	13.9	18.7	20.9	12	1.14	14.6	15.4
16	400	15.6	21.2	23.4	16	1.14	17.3	18.5

* 1 14inch, 16inch: FLAT FULL FACE

RECOMMENDED TIGHTENING TORQUE <ALL MATERIALS / FULL FACE TYPE>

mm(inch)	N·m	FT-LB	mm(inch)	N·m	FT-LB	mm(inch)	N·m	FT-LB
15 (1/2)	17.5	13	65 (2 1/2)	22.5	16	200 (8)	55	40
20 (3/4)	17.5	13	80 (3)	30	22	250(10)	55	40
25 (1)	20	14	100(4)	30	22	300(12)	60	43
40 (1 1/2)	20	14	125(5)	40	29	350(14)	60	43
50 (2)	22.5	16	150(6)	45	32	400(16)	80	58

Ren-Xin Valve Co., Ltd.

Abbreviations for Major Materials Used For Asahi AV Products

Symbol	Description
PVC	"PVC" is an abbreviation for "polyvinyl chloride."
C-PVC	The first letter "C" stands for "chlorinated." "C-PVC" refers to "chlorinated polyvinyl chloride," or heat-resistant polyvinyl chloride.
HI-PVC	The first lettering "HI" means "high impact." "HI-PVC" refers to "high impact resist polyvinyl chloride."
PP	"PP" is an abbreviation for "polypropylene."
PVDF	"PVDF" is an abbreviation for "polyvinylidene fluoride."
FRP	"FRP" is an abbreviation for "fiber reinforced plastics."
ABS	"ABS" is an abbreviation for "acrylonitrile butadiene styrene."
PPS	"PPS" is an abbreviation for "polyphenylenesulfide."
PEEK	"PEEK" is an abbreviation for "polyether ether ketone."
PTFE	"PTFE" is an abbreviation for "poly tetra fluoro ethylene."
PDCPD	"PDCPD" is an abbreviation for "polydicyclo pentadiene."
UHMWPE	"UHMWPE" is an abbreviation for "ultra high molecular weight polyethylene."
EPDM	"EPDM" is an abbreviation for "ethylene propylene diene rubber."
FKM	"FKM" is an abbreviation for "fluorocarbon rubber."
Viflon F,C (FKM-F, FKM-C)	"Viflon" is Trade Mark of ASAHI ORGANIC CHEMICALS INDUSTRY CO., LTD. of the Terpolymerization Fluorocarbon Elastomers.
SBR	"SBR" is an abbreviation for "styrene butadiene rubber."
NBR	"NBR" is an abbreviation for "acrylonitrile butadiene rubber."
IIR	"IIR" is an abbreviation for "isobutylene isoprene rubber."
CSM	"CSM" is an abbreviation for "chlorosulphonated polyethylene."
PPG	"PPG" is an abbreviation for "Glass Fiber Reinforced Polypropylene."
PC	"PC" is an abbreviation for "Polycarbonate."
HP-PVC	The first letter "HP" means "High Purity" "HP-PVC" refers to "high purity polyvinyl chloride."



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