

●Hand wheel type



●Cap(Square Nut) ●Rising stem



●Threaded body ●Stem extension

FEATURES

■High corrosion and impact-resistance

All wet sections are made of corrosion-resistant material, thus preventing corrosion and turbid water due to rust. The GATE VALVE, made of high impact polyvinyl chloride, can be used for water supply and drainage.

■Light and rugged structure

Being made of synthetic resin, the ASAHI AV GATE VALVE is about 1/5 as heavy as a cast iron gate valve. However, the ASAHI AV GATE VALVE gives the same torque strength as a cast iron gate valve, so it endures high torque.

■Flexibility covering flow variations

The gate valve is so flexible in covering many flow variations with tight shut-off.

■Easy maintenance

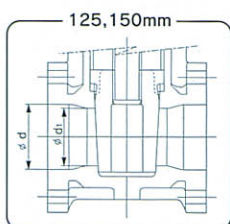
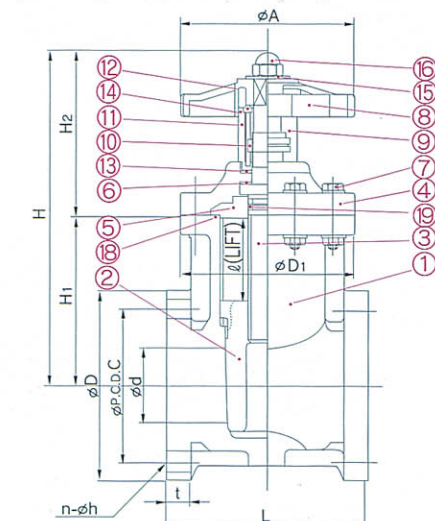
The stem sealed with an O-ring, prevents external leaks and is easy to replace.

▼SPECIFICATIONS

Body material	Valve: High impact Polyvinyl Chloride(HI-PVC)
Gate material	Standard (P): Polypropylene(PP) Soft seal: Chlorinated Polyvinyl Chloride(C-PVC) +Styrene-Butadiene Rubber (SBR)
Nominal Size	Popular series (Type P):40 to 350 mm(1½" to 14") Resilient series(Type S))40 to 200mm(1½" to 8")
Working temperature	-10°C~50°C(15°F~120°F)
Max. Working Pressure	40mm(1½")~200mm(8") 1.0Mpa{10.2kgf/cm²} [150PSI] 250mm(10") 0.75Mpa{7.7kgf/cm²} [110PSI] 300mm(12"), 350mm(14") 0.5Mpa{5.1kgf/cm²} [70PSI]
Type of connection	Flanged End Threaded Type(40mm,50mm)are available.
Mechanism	Round handle, Cap (long stem)

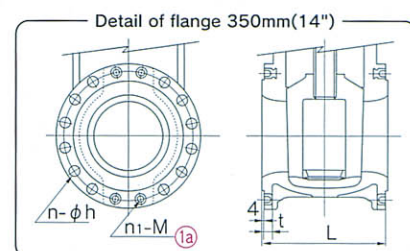
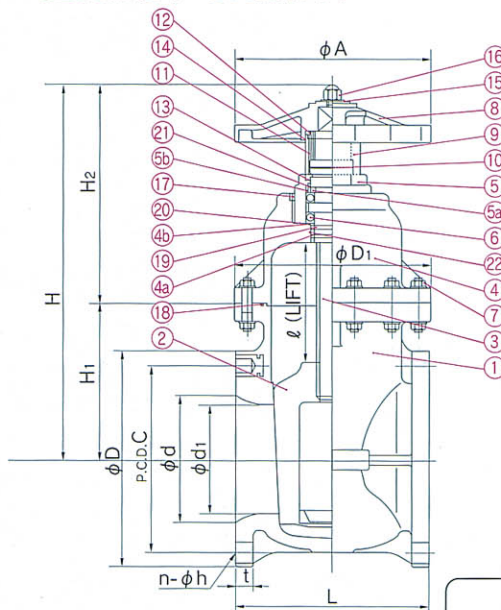
▼DRAWING-DIMENSIONS(P TYPE:Flanged End)

●40mm (1½") ~ 150mm (6")



Gate valves 125mm or more in nominal size have a reduced flow channel.

●200mm (8") ~ 350mm (14")



▼PARTS TABLE

PARTS TABLE							
No.	DISCRIPTION	Pcs	MATERIAL	No.	DISCRIPTION	Pcs	MATERIAL
①	BODY	1	HI-PVC	⑫	GUIDE PIN HOLDER	1	U-PVC
②	GATE	1	PP	⑬	GASKET	1	EPDM
③	STEM	1	U-PVC	⑭	O-RING(A)	1	EPDM
④	BONNET(A)	1	HI-PVC	⑮	WASHER	1	U-PVC
④a	BUSH(A)	1	PP 200mm(8")~	⑯	NUT	1	STAINLESS STEEL
④b	KNOCK PIN(A)	1	PP 200mm(8")~	⑰	SCREW	1	STAINLESS STEEL 200mm(8")~
⑤	BONNET(B)	1	HI-PVC(Stem Holder)	⑱	O-RING(B)	1	EPDM,others
⑤a	BUSH(B)	1	PP 200mm(8")~	⑲	O-RING(C)	2(3)	EPDM,others
⑤b	KNOCK PIN(B)	1	PP 200mm(8")~	⑳	O-RING(D)	1	EPDM,others 200mm(8")~
⑥	THRUST BEARING	2	PP(~150) HIGH CARBON CHROMIUM BEARING(200~)	㉑	O-RING(E)	1	EPDM,others 200mm(8")~
				㉒	O-RING(F)	1	EPDM,others 200mm(8")~
⑦	BOLT·NUT·WASHER	—	STAINLESS STEEL	⑩a	INSERTED METAL OF BODY	—	COPPER ALLOY 200(8")~ 200mm(8") -4 pcs. 300mm(12")-4 pcs. 350mm(14")-8 pcs.
⑧	HAND WHEEL	1	PP				
⑨	INDICATING COVER	1	PC				
⑩	INDICATING RING	1	U-PVC				
⑪	GUIDE PIN	1	STAINLESS STEEL	Note : ㉑ O-RING(C)~150mm(6")-2 200mm(8")~3			

▼DIMENSIONS TABLE

JIS																	Unit:mm
Nom. Size		d	d _i	JIS 10K					L	t	D ₁	A	ℓ	H ₁	H ₂	H	
				D	C	n	h	n _i -M									
40 ^{mm}	1½"	40	—	140	105	4	19	—	165	22	120	120	49	107	132	239	
50	2	50	—	155	120	4	19	—	180	23	130	130	60	134	136	270	
65	2½"	65	—	175	140	4	19	—	190	24	155	155	75	152	150	302	
80	3	75	—	185	150	8	19	—	200	25	170	170	85	170	155	325	
100	4	100	—	210	175	8	19	—	230	27	195	195	110	207	163	370	
125	5	125	110	250	210	8	23	—	260	27	235	235	117	227	180	407	
150	6	150	130	280	240	8	23	—	270	28	270	270	138	263	182	445	
200	8	196	168	330	290	10	23	2-M20	290	28	310	310	180	240	337	577	
250	10	247	210	400	355	12	25	—	380	30	360	360	226	270	420	690	
300	12	298	255	445	400	14	25	2-M22	400	31	410	410	273	320	480	800	
350	14	348	297	490	445	12	25	4-M22	430	32	440	455	319	310	600	910	

DIN																	Unit:mm
Nom. Size		d	d _i	DIN2501 PN10					L	t	D ₁	A	ℓ	H ₁	H ₂	H	
				D	C	n	h	n _i -M									
40 ^{mm}	1½"	40	—	150	110	4	18	—	165	22	120	120	49	107	132	239	
50	2	50	—	165	125	4	18	—	180	23	130	130	60	134	136	270	
65	2½"	65	—	185	145	4	18	—	210	24	155	155	75	152	150	302	
80	3	75	—	200	160	8	18	—	240	25	170	170	85	170	155	325	
100	4	100	—	220	180	8	18	—	250	27	195	195	110	207	163	370	
125	5	125	110	250	210	8	18	—	260	27	235	235	117	227	180	407	
150	6	150	130	285	240	8	23	—	280	27	270	270	138	263	182	445	
200	8	196	168	340	295	6	23	2-M20	300	28	310	310	180	240	337	577	
250	10	247	210	395	350	12	23	—	380	30	360	360	226	270	420	690	
300	12	298	255	445	400	10	23	2-M20	400	31	410	410	273	320	480	800	
350	14	348	297	505	460	12	23	4-M20	430	32	440	455	319	310	600	910	

ANSI																	Unit:inch
Nom. Size		d	d _i	ANSI 125,150 lbs					L	t	D ₁	A	ℓ	H ₁	H ₂	H	
				D	C	n	h	n _i -M									
1½"	40 ^{mm}	1.57	—	5.00	3.88	4	0.63	—	6.50	0.87	4.72	4.72	1.93	4.21	5.20	9.41	
2	50	1.97	—	5.98	4.74	4	0.75	—	7.01	0.91	5.12	5.12	2.36	5.28	5.35	10.63	
2½"	65	2.56	—	7.01	5.49	4	0.75	—	7.48	0.94	6.10	6.10	2.95	5.98	5.91	11.89	
3	80	2.95	—	7.52	6.00	4	0.75	—	7.99	0.98	6.69	6.69	3.35	6.69	6.10	12.79	
4	100	3.94	—	9.02	7.50	8	0.75	—	9.02	1.06	7.68	7.68	4.33	8.15	6.42	14.57	
5	125	4.92	4.33	10.00	8.50	8	0.87	—	10.24	1.06	9.25	9.25	4.61	8.94	7.09	16.03	
6	150	5.91	5.12	10.98	9.51	8	0.87	—	10.51	1.06	10.63	10.63	5.43	10.35	7.17	17.52	
8	200	7.72	6.61	13.50	11.75	6	0.87	2-W ³ / ₄	11.50	1.10	12.20	12.20	7.09	9.45	13.27	22.72	
10	250	9.72	8.27	15.98	14.25	12	0.98	—	14.96	1.18	14.17	14.17	8.90	10.63	16.54	27.17	
12	300	11.73	10.04	19.02	17.01	10	0.98	2-W ⁷ / ₈	15.75	1.22	16.14	16.14	10.75	12.60	18.90	31.50	
14	350	13.70	11.69	20.98	18.74	8	1.14	4-W 1	16.93	1.26	17.32	17.91	12.56	12.20	23.62	35.83	

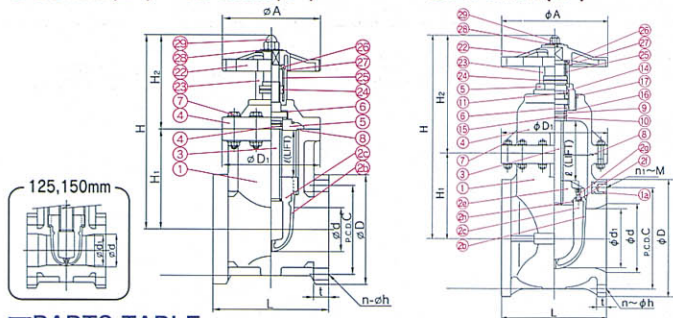
* GATE VALVE with an Stainless Steel stem differs in dimension H from GATE VALVE with a plastic stem.

• The shape and appearance of the valve differ a little with nominal size compared to the drawing.

▼DRAWING-DIMENSIONS(Resilient seal type:Flanged End)

●50mm(2")~150mm(6")

●200mm(8")



▼PARTS TABLE

No.	DISCRIPTION	Pcs	MATERIAL	No.	DISCRIPTION	Pcs	MATERIAL
①	BODY	1	HI-PVC	⑭	O-RING(E)	1	EPDM,others Used for 200(8")only
①a	INSERTED METAL OF BODY	4	COPPER ALLOY Used for 200(8")only	⑮	O-RING(F)	1	EPDM,others Used for 200(8")only
②b	SEAT	1	SBR,CR	⑯	O-RING(D)	1	EPDM,others Used for 200(8")only
②c	GATE(A)	1	C-PVC	⑰	BUSH(A)	1	PP Used for 200(8")only
②d	GATE(B)	1	PP Used for 200(8")only	⑱	BUSH(B)	1	PP Used for 200(8")only
②f	INSERTED METAL OF GATE(A)	4	COPPER ALLOY Used for 200(8")only	⑲	SET SCREW(A)	1	STAINLESS STEEL (SUS 304) Used for 200(8")only
②g	BOLT(A)	4	STAINLESS STEEL (SUS 304) Used for 200(8")only	⑳	HAND WHEEL	1	PP
③	STEM	1	PVC(Steel Inserted)	㉑	INDICATING COVER	1	PC
④	BONNET(A)	1	HI-PVC	㉒	INDICATING RING	1	U-PVC
⑤	BONNET(B)	1	HI-PVC	㉓	GUIDE PIN	1	STAINLESS STEEL (SUS 304)
⑥	THRUST RING	1set	PP, HIGH CARBON CHROMTUM BEARING is used for 200(8")	㉔	GUIDE PIN HOLDER	1	U-PVC
⑦	BOLT·NUT	—	STAINLESS STEEL (SUS 304)	㉕	O-RING(G)	1	EPDM
⑧	O-RING(A)	1	EPDM, others Used for 200(8")only	㉖	WASHER	1	U-PVC
⑧	O-RING(B)	1	EPDM, others	㉗	BOX NUT	1	STAINLESS STEEL (SUS 304)
⑨	O-RING(C)	2	EPDM, others Used for 200(8"):3pcs.				

▼ DIMENSIONS TABLE

JIS

Unit:mm

Nom. Size		d	d _i	JIS 10K					L	t	D ₁	A	ℓ	H ₁	H ₂	H
				D	C	n	h	n ₁ -M								
50 ^{mm}	2"	50	—	155	120	4	19	—	180	23	130	130	52	134	136	270
65	2½"	65	—	175	140	4	19	—	190	24	155	155	67	152	150	302
80	3	75	—	185	150	8	19	—	200	25	170	170	77	170	155	325
100	4	100	—	210	175	8	19	—	230	27	195	195	102	207	163	370
125	5	125	110	250	210	8	23	—	260	27	235	235	112	227	180	407
150	6	150	130	280	240	8	23	—	270	28	270	270	132	263	182	445
200	8	196	168	330	290	10	23	2-M20	290	28	310	310	175	240	337	577

DIN

Unit:mm

Nom. Size		d	d ₁	DIN 2501 PN10					L	t	D ₁	A	ℓ	H ₁	H ₂	H
				D	C	n	h	n ₁ -M								
50 ^{mm}	2"	50	—	165	125	4	18	—	180	23	130	130	52	134	136	270
65	2½"	65	—	185	145	4	18	—	210	24	155	155	67	152	150	302
80	3	75	—	200	160	8	18	—	240	25	170	170	77	170	155	325
100	4	100	—	220	180	8	18	—	250	27	195	195	102	207	163	370
125	5	125	110	250	210	8	18	—	260	27	235	235	112	227	180	407
150	6	150	130	285	240	8	23	—	280	27	270	270	132	263	182	445
200	8	196	168	340	295	6	23	2-M20	300	28	310	310	175	240	337	577

ANSI

Unit:inch

Nom. Size		d	d ₁	ANSI 125,150 lbs					L	t	D ₁	A	ℓ	H ₁	H ₂	H
				D	C	n	h	n ₁ -M								
2"	50 ^{mm}	1.97	—	5.98	4.74	4	0.75	—	7.01	0.91	5.12	5.12	2.05	5.28	5.35	10.63
2½	65	2.56	—	7.01	5.49	4	0.75	—	7.48	0.94	6.10	6.10	2.64	5.98	5.91	11.89
3	80	2.95	—	7.52	6.00	4	0.75	—	7.99	0.98	6.69	6.69	3.03	6.69	6.10	12.79
4	100	3.94	—	9.02	7.50	8	0.75	—	9.02	1.06	7.68	7.68	4.02	8.15	6.42	14.57
5	125	4.92	4.33	10.00	8.50	8	0.87	—	10.24	1.06	9.25	9.25	4.41	8.94	7.09	16.03
6	150	5.91	5.12	10.98	9.51	8	0.87	—	10.51	1.06	10.63	10.63	5.20	10.35	7.17	17.52
8	200	7.72	6.61	13.50	11.75	6	0.87	2-W _{3/4}	11.50	1.10	12.20	12.20	6.89	9.45	13.27	22.72

FEATURES

■ **Reliable watertightness**

The rubber valve seat, a soft seal type, offers reliable shut-off.

- Provides smooth flow

Being free of cavities, the valve body has no sand or foreign matter build up in it, thus providing a smooth flow.

※Threaded End Type (40mm, 50mm)are available.