



ASAHI AV

ASAHI YUKIZAI CORPORATION

General Catalog (Valves)

STOP VALVE (GLOBE VALVE)

- PLASTIC BODY WITH HIGH RESISTANCE TO CORROSION, CHEMICALS AND WEAR.
- COMPACT SIZE AND AFFORDABLE TYPE
- ALSO AVAILABLE FOR FLOW CONTROL OR NEEDLE VALVE (SPECIAL ORDER)

BASIC SPECIFICATIONS

VALVE TYPE ——— STOP VALVE (GLOBE VALVE)
 SIZE ——— 15 mm—100 mm (1/2 inch—4 inch)
 BODY MATERIAL ——— U-PVC PP
 SEAL MATERIAL / PACKING ——— EPDM PTFE etc.
 CONNECTION / FLANGED — JIS5K, JIS10K, DIN, ANSI
 SOCKET — JIS, DIN, ANSI
 THREADED— Rc, Rp, NPT

HIGH PURITY SERIES — LUBRICANT FREE

	FLUID TEMPERATURE	MAXIMUM WORKING PRESSURE (NORMAL TEMPERATURE MPa (kg/cm ²))	CONNECTION METHOD		
			FLANGED	SOCKET	THREADED
U-PVC	0°C ~ 50°C	1.0 (10.2)	○	○	○
PP	-20°C ~ 80°C	0.75 (7.7)	○	—	○

NOTES The maximum working pressure is the value including the water hammer pressure. Be careful that the maximum working pressure is not exceeded during use.
 * Concerning the allowable pressure for each temperature and material, see the technical documents at the end of this catalog.



PARTS LIST MANUAL

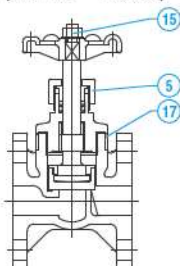
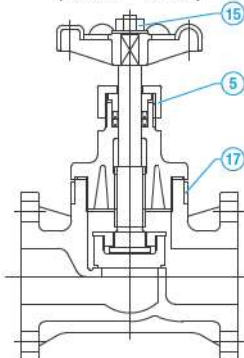
PRODUCT MODEL CODE LIST	ACTUATION	TYPE	OPERATING SYSTEM	BODY MATERIAL	SEAL MATERIAL	CONNECTION	STANDARD	SIZE	HIGH PURITY SERIES
MANUAL	V	ST	MH	*	*	*	*	***	1
	V MANUAL VALVE	ST STOP VALVE (GLOBE VALVE)	MH ROUND HANDLE	U U-PVC P PP	E EPDM V FKM T PTFE	S SOCKET N THREADED F FLANGED	J JIS 1 JIS10K 5 JIS5K	015 15mm 1 100 100mm	1 LUBRICANT FREE

STOP VALVE (GLOBE VALVE)

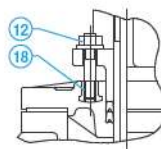
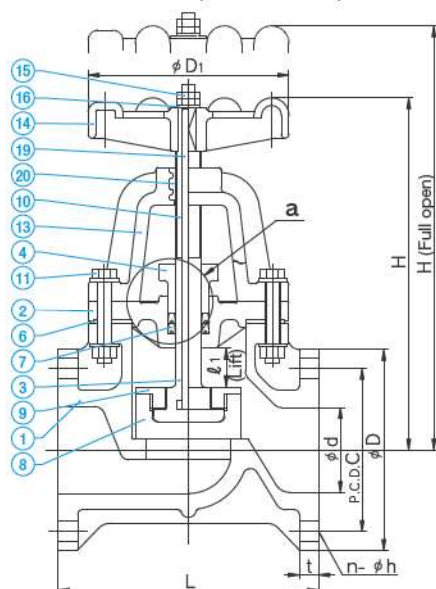
TYPE—VSTMH

CONNECTION / FLANGED—JIS, DIN, ANSI

FLANGED

15 mm — 32 mm
(1½ inch — 1¼ inch)40 mm — 50 mm
(1½ inch — 2 inch)

65 mm — 100 mm (2½ inch — 4 inch)



DETAILS OF SECTION "a"

PART NO. / NAME	QTY	MATERIAL
① BODY	1	U-PVC, PP
② BONNET	1	U-PVC, PP
③ STEM (1)	1	U-PVC, PP
④ PACKING GLAND	1	U-PVC, PP
⑤ GLAND NUT (2)	1	U-PVC
⑥ PACKING (3)	1	EPDM, PTFE, etc.
⑦ GLAND PACKING	1 SET	PDM, PTFE, etc.
⑧ DISC	1	PP
⑨ STEM HOLDER	1	PP
⑩ STEM WITH TRAPEZOIDAL SCREW	1	C3604.....Used for 65 to 100 mm.
⑪ HEX BOLT/NUT	8	SUS304.....Used for 65 to 100 mm.
⑫ STUD BOLT/NUT	2	SUS304.....Used for 65 to 100 mm.
⑬ STEM SUPPORT	1	PP.....Used for 65 to 100 mm.
⑭ HANDLE WHEEL	1	PP
⑮ NUT (A)	1	U-PVC.....Used for 15 to 50 mm.
	2	SUS304.....Used for 65 to 100 mm.
⑯ WASHER	1	U-PVC.....Used for 15 to 50 mm.
	1	SUS304.....Used for 65 to 100 mm.
⑰ REINFORCEMENT RING	1	SUS304.....Used for 15 to 50 mm for body material of PP.
⑱ STUD NUT	2	C3604.....Used for 65 to 100 mm.
⑲ EMBEDDED STEM FITTING	1	SS400.....Used for 65 to 100 mm.
⑳ EMBEDDED SUPPORT FITTING	1	BC6.....Used for 65 to 100 mm.

NOTES (1) For 65 to 100 mm, PP only.
(2) Used for 15 to 50 mm.
(3) PTFE+EPDM when the packing is made of PTFE.

■ JIS, DIN (Unit: mm)

									JIS5K				JIS10K				DIN PN10			
mm	d	D ₁	ℓ _t	H	H (FULL OPEN)	L	t		D	C	n	h	D	C	n	h	D	C	n	h
15	18	66	8	124	132	85	12		80	60	4	12	95	70	4	15	95	65	4	14
20	24	66	8	132	140	95	14		85	65	4	12	100	75	4	15	105	75	4	14
25	28	91	11	150	161	110	14		95	75	4	12	125	90	4	19	115	85	4	14
32	37	91	13	154	167	135	16		115	90	4	15	135	100	4	19	140	100	4	18
40	41	135	17	210	230	190	16		120	95	4	15	140	105	4	19	150	110	4	18
50	52	135	22	228	252	200	16		130	105	4	15	155	120	4	19	165	125	4	18
65	67	185	35	310	345	220	18		155	130	4	15	175	140	4	19	185	145	4	18
80	78	185	35	324	359	240	18		180	145	4	19	185	150	8	19	200	160	8	18
100	100	185	40	379	419	290	18		200	165	8	19	210	175	8	19	220	180	8	18

■ ANSI (Unit: inch)

											ANSI CLASS150			
inch	mm	d	D ₁	ℓ _t	H	H (full open)	L	t			D	C	n	h
1/2	15	0.71	2.60	0.31	4.88	5.20	3.35	0.47			3.50	2.38	4	0.62
3/4	20	0.94	2.60	0.31	5.20	5.51	3.74	0.55			3.88	2.75	4	0.62
1	25	1.10	3.58	0.43	5.91	6.34	4.33	0.55			4.25	3.12	4	0.62
1 1/4	32	1.46	3.58	0.51	6.06	6.57	5.31	0.63			4.62	3.50	4	0.62
1 1/2	40	1.61	5.31	0.67	8.27	9.06	7.48	0.63			5.00	3.88	4	0.62
2	50	2.05	5.31	0.87	8.98	9.92	7.87	0.63			6.00	4.75	4	0.75
2 1/2	65	2.64	7.28	1.38	12.20	13.58	8.66	0.71			7.00	5.50	4	0.75
3	80	3.07	7.28	1.38	12.76	14.13	9.45	0.71			7.50	6.00	4	0.75
4	100	3.94	7.28	1.57	14.92	16.50	11.42	0.71			9.00	7.50	8	0.75

MANUAL

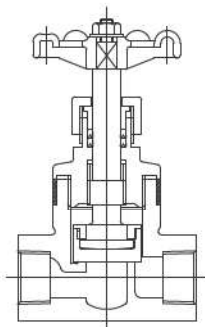
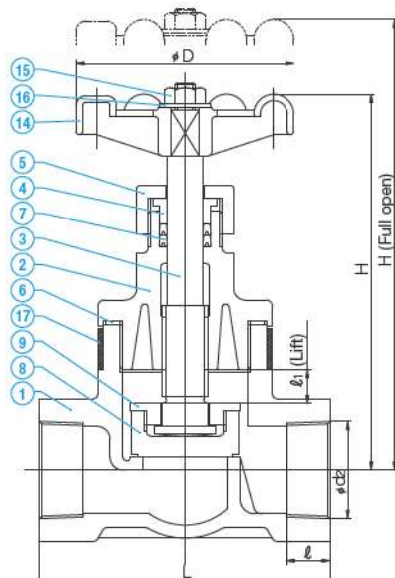
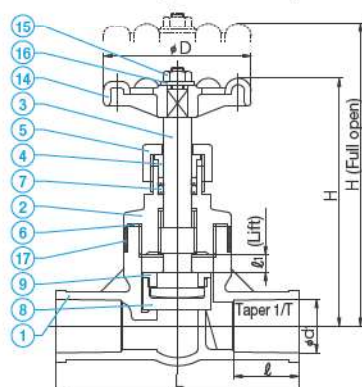
THREADED

SOCKET

STOP VALVE (GLOBE VALVE)

TYPE—VSTMH

CONNECTION / SOCKET—JIS, DIN, ANSI THREADED—Rc, Rp, NPT

THREADED 15 mm — 32 mm
(1½ inch — 1¼ inch)40 mm — 50 mm
(1½ inch — 2 inch)SOCKET 15 mm — 25 mm
(½ inch — 1 inch)

PART NO. / NAME	QTY	MATERIAL
① BODY	1	U-PVC, PP
② BONNET	1	U-PVC, PP
③ STEM	1	U-PVC, PP
④ PACKING GLAND	1	U-PVC, PP
⑤ UNION NUT	1	U-PVC
⑥ PACKING	1	EPDM, PTFE, etc.
⑦ GLAND PACKING ⁽¹⁾	1 SET	EPDM, PTFE, etc.
⑧ DISC	1	PP
⑨ STEM HOLDER	1	PP
⑭ HANDLE WHEEL	1	PP
⑮ NUT (A)	1	U-PVC
⑯ WASHER	1	U-PVC
⑰ REINFORCEMENT RING	1	SUS304... Used when the body material is PP.

NOTES (1) PTFE+EPDM when the gland packing is made of PTFE.

■ JIS, DIN (Unit: mm)

mm	D	ℓ ₁	H	H (FULL OPEN)	JIS				DIN			
					SOCKET				THREADED			
					U-PVC				U-PVC			
					d ₁	ℓ	1/T	L	d ₂	ℓ	1/T	L
15	66	8	124	132	22.40	30	1/34	110	Rc 1/2	15	85	82
20	66	8	132	140	26.45	35	1/34	130	Rc 3/4	18	95	98
25	91	11	150	161	32.55	40	1/34	150	Rc 1	20	110	114
32	91	13	154	167	-	-	-	-	Rc 1 1/4	25	135	-
40	135	17	218	235	-	-	-	-	Rc 1 1/2	25	140	-
50	135	22	237	259	-	-	-	-	Rc 2	27	180	-

■ ANSI (Unit: inch)

inch	mm	D	ℓ ₁	H	H (FULL OPEN)	ANSI				ANSI			
						SOCKET				THREADED			
						d ₂	d ₁	ℓ	L	d ₂	ℓ	1/T	L
1/2	15	2.60	0.31	4.88	5.20	0.848	0.59	1.18	4.33	1/2-14NPT	0.59	1.18	3.35
3/4	20	2.60	0.31	5.20	5.51	1.058	0.71	1.38	5.12	3/4-14NPT	0.71	1.38	3.74
1	25	3.58	0.43	5.91	6.34	1.325	0.98	1.58	5.91	1-11 1/2NPT	0.79	1.58	4.33
1 1/4	32	3.58	0.51	6.06	6.57	-	-	-	-	1 1/4-11 1/2NPT	0.98	1.58	5.32
1 1/2	40	5.31	0.67	8.58	9.25	-	-	-	-	1 1/2-11 1/2NPT	0.98	1.58	5.51
2	50	5.31	0.87	9.33	10.20	-	-	-	-	2-11 1/2NPT	1.06	1.58	7.09