

TRUE UNION BALL CHECK VALVE

- THE VALVE PARTS CAN BE REMOVED WITHOUT DISCONNECTING THE PIPES, BY LOOSENING THE UNIONS ON BOTH SIDES

BASIC SPECIFICATIONS

VALVE TYPE — TRUE UNION BALL CHECK VALVE

SIZE — 15 mm—50 mm (1/2 inch—2 inch)

BODY MATERIAL — **U-PVC** **C-PVC** **PP** **PVDF**

SEAL MATERIAL / SEAT — **EPDM** **FKM** etc.

CONNECTION / FLANGED — JIS5K, JIS10K, DIN, ANSI

SOCKET — JIS, DIN, ANSI

THREADED — Rc, Rp, NPT

SPIGOT — DIN

	FLUID TEMPERATURE	MAXIMUM WORKING PRESSURE (NORMAL TEMPERATURE) MPa(kgf/cm ²)	CONNECTION METHOD		
			FLANGED	SOCKET	THREADED
PVDF	-20°C ~ 100°C	1.0 {10.2}	○	○	○
PP	-20°C ~ 80°C	1.0 {10.2}	○	○	○

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.

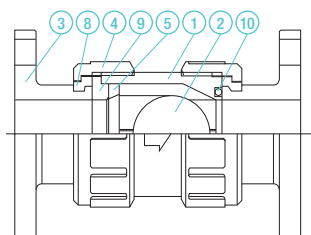
* Concerning the allowable pressure for each temperature and material, see the technical documents at the end of this catalog.

MANUAL

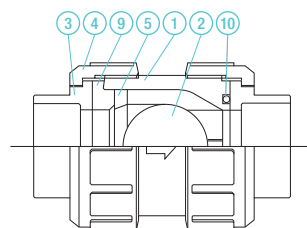


PARTS LIST

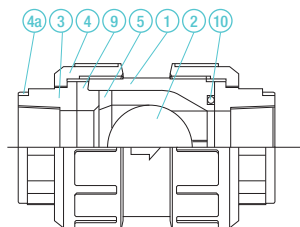
FLANGED



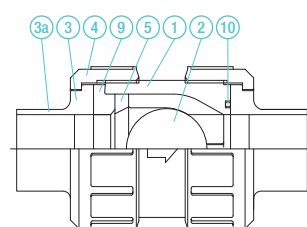
SOCKET



THREADED



SPIGOT



PART NO. / NAME	QTY	MATERIAL
① BODY	1	
② BALL	1	
③ END CONNECTOR	2	U-PVC, C-PVC, PP, PVDF
④ UNION NUT	2	
⑤ STOP RING (A)	1	

PART NO. / NAME	QTY	MATERIAL
⑧ STOP RING (B) ②	2	PVDF
⑨ SEAT	1	EPDM, FKM, etc.
⑩ O-RING	1	EPDM, FKM, etc.
④a RING ①	2	SUS304

NOTES (1) Used for 15 to 25 mm for C-PVC threaded type. (2) Used for flanged type.

PRODUCT MODEL
CODE LIST

MANUAL

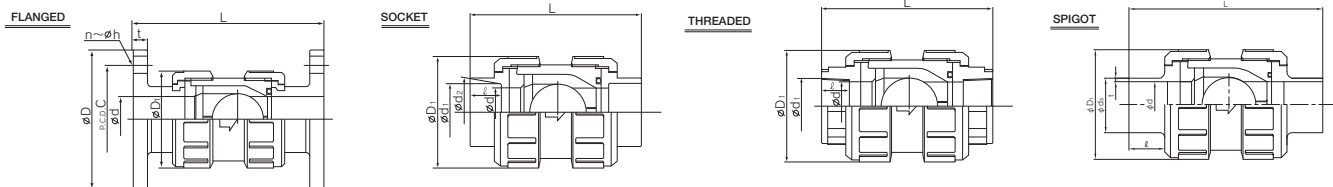
ACTUATION	TYPE	OPERATING SYSTEM	BODY MATERIAL	SEAL MATERIAL	CONNECTION	STANDARD	SIZE
V	TC	ZZ	*	*	*	*	***
V MANUAL VALVE	TC TRUE UNION BALL CHECK	ZZ NONE	U U-PVC C C-PVC P PP F PVDF	E EPDM V FKM	S SOCKET N THREADED F FLANGED P SPIGOT	D DIN A ANSI	015 15mm 050 50mm

MANUAL

TRUE UNION BALL CHECK VALVE

TYPE—VTCZZ

CONNECTION / FLANGED, SOCKET, THREADED, SPIGOT—DIN



JIS (Unit: mm)			FLANGED											SOCKET								THREADED				
mm	d	D ₁	JIS5K				JIS10K				L			t	U-PVC C-PVC				PP				d ₂	ℓ	L	
			D	C	n	h	D	C	n	h	U-PVC C-PVC	PP	PVDF		d ₁	ℓ	1/T	L	d ₁	d ₁ '	ℓ	L			U-PVC C-PVC	PP
15	15	48	80	60	4	12	95	70	4	15	130	128	12	22.11	20	1/34	92	21.2	20.2	22	94	Rc 1/2	15	86	83	
20	20	60	85	65	4	12	100	75	4	15	155	154	14	26.13	24	1/34	110	26.2	25.2	23	107	Rc 4/3	17	103	98	
25	25	70	95	75	4	12	125	90	4	19	165	163	14	32.16	27	1/34	123	33.0	32.0	25	117	Rc 1	20	113	109	
40	40	96	120	95	4	15	140	105	4	19	192	190	16	48.21	37	1/37	170	47.0	46.0	28	151	Rc 1 1/2	25	151	147	
50	51	106	130	105	4	15	155	120	4	19	214	211	16	60.25	42	1/37	199	59.0	58.0	28	168	Rc 2	28	177	171	