



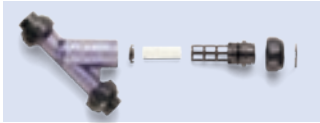
ASAHI AV

ASAHI YUKIZAI CORPORATION

General Catalog (Valves)

SEDIMENT STRAINER (TYPE Y)

- MATERIAL WITH HIGH RESISTANCE TO CORROSION, CHEMICALS AND WEAR.
- TRANSPARENT BODY THAT ALLOWS FOR CHECKING OF INSIDE FLOW.
- EASY SCREEN CLEANING, DISASSEMBLY/ASSEMBLY FOR REPLACEMENT AND MAINTENANCE.



BASIC SPECIFICATIONS

VALVE TYPE ————— SEDIMENT STRAINER (TYPE Y)

SIZE ————— 15 mm—100 mm (1/2 inch—4 inch)

BODY MATERIAL ————— U-PVC

SEAL MATERIAL ————— EPDM FKM etc.

CONNECTION / FLANGED — JIS5K, JIS10K, DIN, ANSI

SOCKET — JIS, DIN, ANSI

THREADED — Rc, Rp, NPT

	FLUID TEMPERATURE	MAXIMUM WORKING PRESSURE (NORMAL TEMPERATURE) MPa(kgf/cm ²)		CONNECTION METHOD		
		15mm—50mm	65mm—100mm	FLANGED	SOCKET	THREADED
U-PVC	0°C ~ 50°C	1.0 {10.2}	0.6 {6.1}	○	○	○

NOTE For information on chemical resistance, contact our sales office.



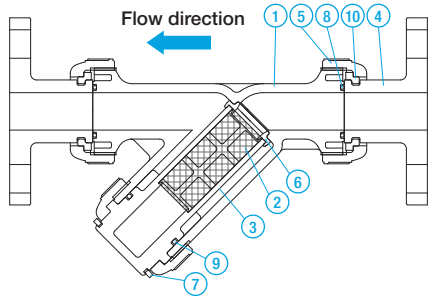
NOTES

- Avoid direct sunlight and store it indoors. Also avoid storing the valve in a place that may be exposed to high temperatures.
- Pay attention to the direction of flow when mounting the product on a pipe. (It is indicated by an arrow on the valve parts.)
- Clean the screen periodically. (Handle the screen with utmost care during cleaning.)
- Make sure during piping work that the valve is not exposed to direct sunlight.
- Note that volatile liquids, such as hydrogen peroxide solution (H₂O₂) and sodium hypochlorite (NaClO), may cause abnormal pressure increase in strainer. (When the internal pressure abnormally increases due to vaporization, the gas becomes compressive fluid. If the valve breaks in this state, it will be very dangerous, causing explosion and scattering of fragments.)
- The Y-shaped strainer, in particular, has such a structure that the corners are susceptible to the effects of repeated stress due to internal variations. Therefore, for lines where pulsation (including air hammer and water hammer) may occur, take adequate measures during piping installation. Otherwise breakage may occur. Also, perform periodic check (approx. once a year).
- Piping lines made of copper require particular attention because the effects of stress such as internal fluctuations are concentrated on the Y-shaped strainer.

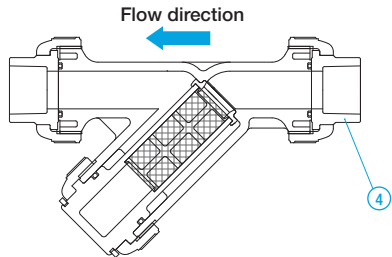
PARTS LIST

MANUAL

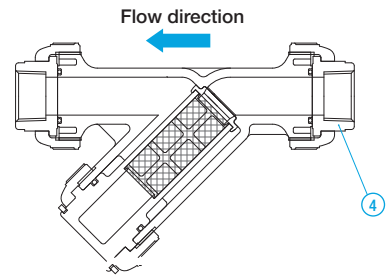
FLANGED



SOCKET



THREADED



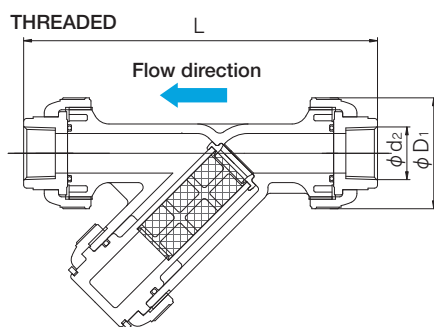
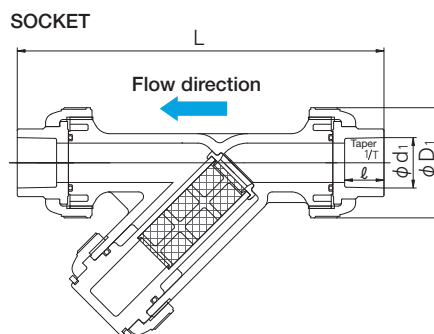
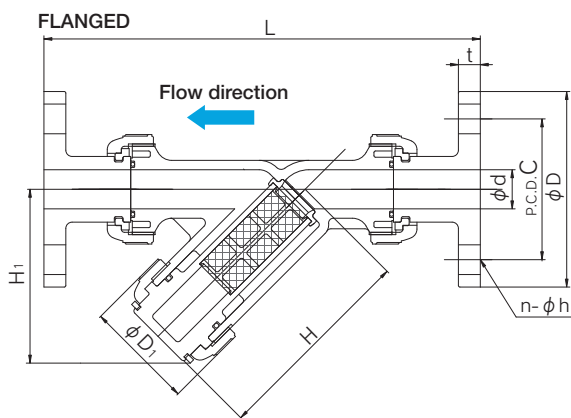
PART NO. / NAME	QTY	MATERIAL
① BODY	1	U-PVC (transparent)
② SCREEN (1)	1	U-PVC
③ SCREEN SUPPORT	1	U-PVC
④ END CONNECTOR	2	U-PVC
⑤ UNION NUT	3	U-PVC

PART NO. / NAME	QTY	MATERIAL
⑥ SCREEN RETAINER	1	U-PVC
⑦ RETAINER RING	1	U-PVC
⑧ O-RING (A)	2	EPDM, FKM, etc.
⑨ O-RING (B)	1	
⑩ STOP RING (2)	2	PVDF

NOTES (1) 40 mesh : standard 30/20/60 mesh : custom-build *60 mesh: U-PVC (20 mesh) + PVDC (60 mesh) *For Stainless Steel mesh, consult as.
(2) Flanged type only.

SEDIMENT STRAINER (TYPE Y)

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



■ JIS, DIN (Unit: mm)

JIS, DIN (Unit: mm)						JIS																			
mm	d	D ₁	H	H ₁	H ₂	FLANGED												SOCKET				THREADED			
						JIS 5K				JIS 10K				L	t	d ₁	ℓ	1/T	L	d ₂	ℓ	L			
						D	C	n	h	D	C	n	h												
15	15	48	97	78	134	80	60	4	12	95	70	4	15	206	12	22.11	20	1/34	172	Rc 1/2	15	165			
20	20	60	120	98	168	85	65	4	12	100	75	4	15	254	14	26.13	24	1/34	210	Rc 3/4	17	202			
25	25	70	133	111	189	95	75	4	12	125	90	4	19	280	14	32.16	27	1/34	238	Rc 1	20	224			
32	40	100	177	149	256	115	90	4	15	135	100	4	19	336	16	38.19	30	1/34	298	Rc 1 1/4	22	287			
40	40	100	177	149	256	120	95	4	15	140	105	4	19	336	16	48.21	37	1/37	313	Rc 1 1/2	25	287			
50	51	106	190	160	277	130	105	4	15	155	120	4	19	361	16	60.25	42	1/37	346	Rc 2	28	324			
65	78	140	271	234	399	155	130	4	15	175	140	4	19	477	18	76.60	61	1/48	487	Rc 2 1/2	32	436			
80	78	152	271	234	399	180	145	4	19	185	150	8	19	477	18	89.60	64	1/49	487	Rc 3	35	436			
100	100	210	361	316	537	200	165	8	19	210	175	8	19	608	18	114.70	64	1/56	653	Rc 4	45	596			

	DIN												
mm	FLANGED DIN PN10						SOCKET			THREADED			
	D	C	n	h	L	t	d ₁	ℓ	L	d ₁	ℓ	L	
15	95	65	4	14	193	12	20	16	165	Rp 1/2	15	165	
20	105	75	4	14	232	14	25	19	201	Rp 3/4	17	202	
25	115	85	4	14	253	14	32	22	224	Rp 1	20	224	
32	140	100	4	18	336	16	40	26	298	Rp 1 1/4	22	287	
40	150	110	4	18	324	16	50	31	288	Rp 1 1/2	25	287	
50	165	125	4	18	361	16	63	38	337	Rp 2	28	324	
65	185	145	4	18	477	18	75	44	455	Rp 2 1/2	32	436	
80	200	160	8	18	483	18	90	51	457	Rp 3	35	436	
100	220	180	8	18	608	18	110	61	607	Rp 4	45	596	

■ ANSI (Unit: inch)

ANSI (Unit: inch)							ANSI															
inch	mm	d	D ₁	H	H ₁	H ₂	FLANGED						SOCKET				THREADED					
							ANSI CLASS150						ASTM SCH80				d ₂		ℓ		L	
							C	D	n	h	L	t	d ₁	d ₁ [*]	ℓ	L						
1/2	15	0.59	1.89	3.82	3.07	5.28	3.50	2.38	4	0.62	8.11	0.47	0.848	0.836	0.875	6.93	1/2-14 NPT	0.59	6.50			
3/4	20	0.79	2.36	4.72	3.86	6.61	3.88	2.75	4	0.62	10.00	0.55	1.058	1.046	1.000	8.31	3/4-14 NPT	0.67	7.95			
1	25	0.98	2.76	5.24	4.37	7.44	4.25	3.12	4	0.62	11.02	0.55	1.325	1.310	1.125	9.37	1-11 1/2 NPT	0.79	8.82			
1 1/4	32	1.57	3.94	6.97	5.87	10.08	4.61	3.50	4	0.62	13.23	0.63	1.670	1.655	1.250	11.73	1 1/4-11 1/2 NPT	0.87	11.30			
1 1/2	40	1.57	3.94	6.97	5.87	10.08	5.00	3.88	4	0.62	13.23	0.63	1.912	1.894	1.375	12.13	1 1/2-11 1/2 NPT	0.98	11.30			
2	50	2.01	4.17	7.48	6.30	10.91	6.00	4.75	4	0.75	14.21	0.63	2.387	2.369	1.500	13.31	2-11 1/2 NPT	1.10	12.76			
2 1/2	65	3.07	5.51	10.67	9.21	15.71	7.01	5.49	4	0.75	18.78	0.71	2.889	2.868	1.752	17.95	2 1/2-8 NPT	1.26	17.17			
3	80	3.07	5.98	10.67	9.21	15.71	7.50	6.00	4	0.75	18.78	0.71	3.516	3.492	1.875	17.83	3-8 NPT	1.38	17.17			
4	100	3.94	8.27	14.21	12.44	21.14	9.00	7.50	8	0.75	23.94	0.71	4.518	4.491	2.000	23.07	4-8 NPT	1.77	23.46			