



UNIMECH GROUP, MALAYSIA



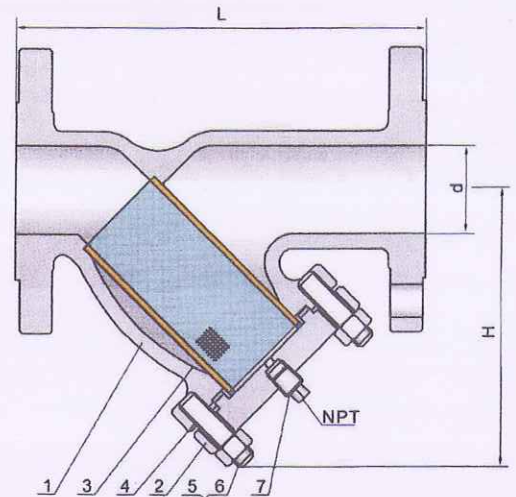
A MEMBER OF UNIMECH GROUP, MALAYSIA

ARS/C17, ARS/C18-

CAST STEEL Y-STRAINER CLASS 150 / CLASS 300 FLANGED END

Materials of parts

NO	Part Name	ASTM Material		
		Carbon Steel	18Cr-9Ni-2Mo	Carbon Steel
1	Body	A216-WCB	A351-CF8M	A352-LCB
2	Bonnet Cap	A216-WCB	A351-CF8M	A352-LCB
3	Screen	A240-304	A240-316	A240-304
4	Bonnet Gasket	Graphite+304 ¹⁾	PTFE	Graphite+304 ¹⁾
5	Bonnet Stud	A193-b7	A193-B8	A320-L7
6	Bonnet Stud Nut	A194-2H	A194-8	A194-7
7	Plug	A276-410	A276-316	A276-410

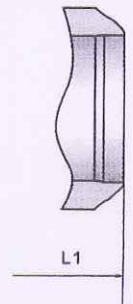


Percentage Open Area

MEH	A SWG	B m/m	C m/m	D %
5	20	0.914	4.166	67.3
10	22	0.711	1.829	51.8
20	28	0.356	0.914	51.8
30	32	0.274	0.572	45.7
40	36	0.193	0.442	48.4
50	37	0.172	0.336	43.6
60	38	0.152	0.271	41.0
80	40	0.122	0.195	37.8
100	42	0.102	0.152	35.8
120	43	0.092	0.119	31.8
150	45 1/2	0.066	0.103	37.1
180	46 1/2	0.053	0.088	38.9
200	47	0.051	0.076	35.8
250	48	0.040	0.062	37.7
300	48	0.039	0.044	27.6

Applicable standards:

- STEEL VALVES, ASME B16.34
- FACE TO FACE, ASME B16.10
- END FLANGES, ASME B16.5
- BUTTWELDING ENDS, ASME B16.25
- INSPECTION AND TEST, API 598



Design description:

- Y-PATTERN TYPE
- BOLTED BONNET CAP WITH DRAIN PLUG
- PERFORATED STAINLESS STEEL SCREEN
- STRAINER DENSITY 100 MESH DESIGN
- FULL RANGE OF STRAINER DENSITY
- RENEWABLE STRAINER DENSITY
- FLANGED OR BUTTWELDING ENDS

Even the "MESH" is same;
OPEN AREA is always same
due to the diameter of wire.
The details of wire as follow

A: Number of Wire
B: Diameter of Wire
C: Width of Opening
D: Percentage of OPEN AREA

Dimensions date

NPS	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12	in
DN	15	20	25	40	50	65	80	100	150	200	250	300	15	20	25	40	50	65	80	100	150	200	250	300	mm
ANSI Class 150													ANSI Class 300												
L/L1 (RF/BW)	5.50	6.00	6.50	8.00	9.00	11.00	12.50	14.50	18.50	23.50	26.50	30.50	5.50	6.00	6.50	8.00	9.00	11.00	12.50	14.50	18.50	23.50	26.50	30.50	in
	140	152	165	203	229	279	318	368	470	597	673	775	140	152	165	203	229	279	318	368	470	597	673	775	mm
H	3.38	4.12	4.50	6.12	7.12	10.25	11.50	12.75	17.62	21.00	27.12	30.75	3.38	4.12	4.50	6.12	7.12	10.25	11.50	12.75	17.62	21.00	27.12	30.75	in
	87	105	114	156	181	259	293	324	448	535	690	780	87	105	114	156	181	259	293	324	448	535	690	780	mm
PLUG (NPT)	1/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	1	1	1/8	1/2	1/2	1/2	1/2	3/4	3/4	3/4	3/4	3/4	1	1	in
																									mm
WT (kg)	2.1	2.3	3.1	6.2	9.7	23.5	28	37	67	91	135	168	2.5	3.4	4.2	8.6	11.2	29	38	57	105	176	230	360	R F
	0.8	1.2	1.4	3.7	6.7	16.5	22	28	59	798	113	151	1.2	1.8	2.3	4.8	8.2	20	27	39	74	131	164	268	BW