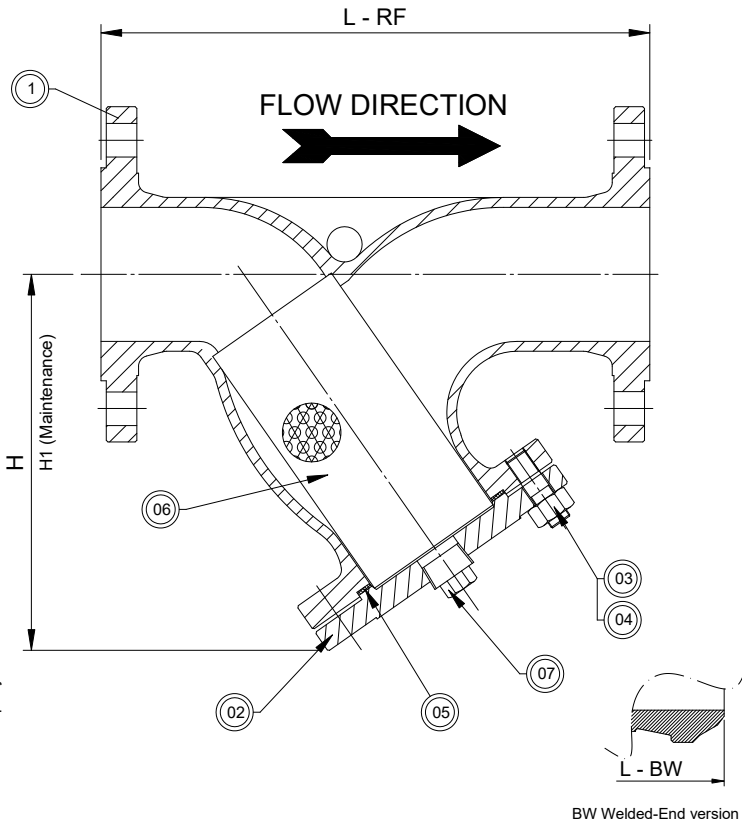


CAST STEEL Y STRAINERS

150 – 300 – 600 – 900 – 1500 Lbs

DT-SY-002



BASIC DESIGN STANDARDS

Basic Design ANSI B16.34

Face to Face Dimension Manufacturer Standard

Flanges Up to 24" ANSI B16.5
From 26" MSS SP44
ANSI B16.47 API 605

Butt-weld ends ANSI B16.25

Testing API 598

STANDARD DESCRIPTION

- Y Pattern
- Bolted Cover with drain plug (drain from 2" and above)
- Plug 1/2" NPT-F up to NPS 2"
- Plug 3/4" NPT-F for 2" < NPS ≤ 10"
- Plug 1" NPT-F for NPS ≥ 12"
- Perforated stainless steel screen Ø 1,5 mm
- Special features upon Customer's requirement

TEST PRESSURE TO API 598 bar

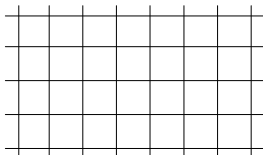
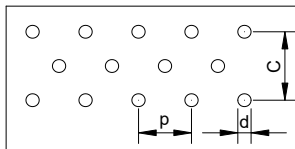
		Shell (water)				
		150#	300#	600#	900#	1500#
		30	77	153	229.5	380

* Recommended Spare Parts

BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	Carbon Steel		Alloy Steel		Stainless Steel			
		WCB	LCB	WC6	C5	CF8	CF8M	CF3	CF3M
01	Body	A216 WCB	A352LCB	A217WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
02	Cover	A105N	A350 LF2	A182 F11	A182 F5	A182 F304	A351 CF8M	A182 F304L	A182 F316L
03	Cover Bolts	A193-B7	A320-L7	A193-B16		A193-B8			
04	Cover Nuts	A194-2H	A194-4	A194-4		A194-8			
05	Body / Cover Gasket (*)	Stainless Steel+ Graphite inhibited							
06	Screen	SS 316							
07	Drain Plug	ASTM A105N	LF2	304	304	304	316	316	316

Standard Steel screen detail

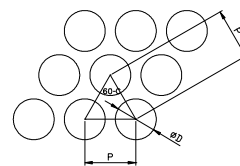


Perforated sheets with round hole

d = diameter of the hole
p = pitch
c = side distance = p x 1,73
% Empty on full = 90,7 x d² / p²
Number of holes / dm² = 1,15 x 10.000 / p²

Mesh Type

Open Area Method of calculation



$$R = 100 \times \left[\frac{\sqrt{3} \times \pi}{6} \times \left(\frac{D}{P} \right)^2 \right]$$

R = Open Area
P = Pitch (mm)
D = Diameter of hole (mm)

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CAST STEEL Y STRAINERS

150 – 300 – 600 – 900 – 1500 Lbs

CLASS 150#	SIZE		DIMENSION in mm			WEIGHT
	Inches	mm	L (RF)	H	H1 (MAINTENANCE)	Kg
	1/2"	15	130	98	120	1.3
	3/4"	20	150	105	130	1.8
	1"	25	162	110	140	3.3
	1-1/4"	35	175	125	160	3.8
	1-1/2"	40	201	130	180	5.4
	2"	50	203	156	265	12
	2-1/2"	65	216	180	220	19
	3"	80	241	209	321	22
4"	100	292	264	401	36	
6"	150	406	318	535	68	
8"	200	495	434	737	114	
10"	250	622	511	867	210	
12"	300	699	618	1035	310	
16"	400	914	800	1200	650	

CLASS 300#	SIZE		DIMENSION in mm			WEIGHT
	Inches	mm	L (RF)	H	H1 (MAINTENANCE)	Kg
	1/2"	15	152	120	150	3
	3/4"	20	178	130	170	5
	1"	25	203	145	200	6
	1-1/4"	35	216	160	220	8
	1-1/2"	40	229	165	230	10.5
	2"	50	267	180	290	18
	2-1/2"	65	292	210	330	28
	3"	80	318	240	350	33
4"	100	356	300	440	53	
6"	150	445	350	570	83	
8"	200	559	470	720	170	
10"	250	622	560	915	260	
12"	300	711	670	1080	--	
16"	400	914	--	--	--	

CLASS 600#	SIZE		DIMENSION in mm			WEIGHT
	Inches	mm	L (RF)	H	H1 (MAINTENANCE)	Kg
	2"	50	292	200	310	20
	2-1/2"	65	330	--	--	--
	3"	80	356	265	380	35
	4"	100	432	330	470	72
	6"	150	559	390	610	132
	8"	200	660	505	805	--
	10"	250	787	610	965	--
	12"	300	838	705	1120	--
16"	400	--	--	--	--	

CAST STEEL Y STRAINERS CLASS 150 – 300 – 600 – 900 – 1500 LBS

CAST STEEL Y STRAINERS

150 – 300 – 600 – 900 – 1500 Lbs

CLASS 900#	SIZE		DIMENSION in mm			WEIGHT
	Inches	mm	L (RF) -(BW)	H	H1 (MAINTENANCE)	Kg
	2"	50	368-368	268	370	57
2-1/2"	65	425-n/a	335	445	66	
3"	80	470-470	324	434	74	
4"	100	546-546	381	490	115	
6"	150	705-559	480	590	250	
8"	200	839-711	575	680	488	

CLASS 1500#	SIZE		DIMENSION in mm					WEIGHT	
	Inches	mm	L			H	H1 (MAINTENANCE)	Kg	
			RF	RTJ	BW			RF/RTJ	BW
2"	50	368	371	368	270	440	60	43	
3"	80	470	473	470	320	490	102	57	
4"	100	546	549	546	385	610	177	126	
6"	150	705	711	559	520	780	343	205	
8"	200	839	842	711	670	1000	625	435	

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