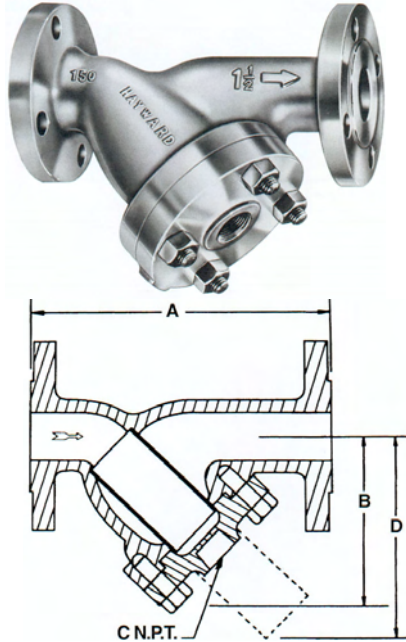


# PROSEP FILTER SYSTEMS LTD

## Model 85 Y Type Strainer



### Application Requirements

Y-Strainers are typically used in applications where the amount of solids to be removed is small, and where frequent clean-out is not required. Besides their obvious uses in liquid applications, they are most often installed in gaseous services such as steam, air, nitrogen, natural gas etc. The compact, cylindrical shape of the Y-Strainer is very strong and can readily accommodate the high pressures that are common in this type of service. A steam pressure of 1500 psi will often be found at temperatures of 500°C. The strength of the standard Y-Strainer design can easily accommodate these extreme parameters although the material of construction will probably be alloy steel.

A Y-Strainer has the advantage of being able to be installed in either a horizontal or vertical position. However, in both cases, the screening element must be on the 'downside' of the strainer body so the entrapped solids can be properly collected and held for disposal.

Model 85 Flanged, 150LB

SIZE	A		B		C (Nom)		D		WEIGHT		
IN MM	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KGS	
1/2	15	4.75	121	2.75	70	0.38	10	3.50	89	5	2.3
3/4	20	5.50	140	3.00	76	0.38	10	4.00	102	7	3.2
1	25	6.38	162	3.62	92	0.50	15	5.00	127	9	4.1
1 1/4	32	7.25	184	4.25	108	0.75	20	5.75	146	14	6.3
1 1/2	40	8.88	226	5.75	146	0.75	20	6.50	165	18	8.2
2	50	7.88	200	6.00	152	1.00	25	8.25	210	16	7.3
2 1/2	65	9.75	248	6.50	165	1.00	25	9.25	235	25	11.4
3	80	10.00	254	7.25	184	1.25	32	10.50	267	35	16.0
4	100	12.13	308	9.75	248	1.50	40	14.75	375	70	31.8
6	150	18.50	470	14.25	362	2.00	50	21.00	533	130	59.1
8	200	21.63	549	18.00	457	2.00	50	26.75	679	240	109.1
10	250	26.00	660	22.25	500	2.00	50	33.75	857	300	136.4

Rating at 38°C.

Carbon Steel 285 psi/20 bar. Stainless Steel 275 psi/19 bar

Model 85 Flanged, 300LB

SIZE	A		B		C (Nom)		D		WEIGHT		
IN MM	IN	MM	IN	MM	IN	MM	IN	MM	LBS	KGS	
1/2	15	5.13	130	2.75	70	0.38	10	3.50	89	6	2.7
3/4	20	5.88	149	3.00	76	0.38	10	4.00	102	9	4.1
1	25	6.88	175	3.62	92	0.50	15	5.00	127	13	6.0
1 1/4	32	7.75	197	4.25	108	0.75	20	5.75	146	18	18.2
1 1/2	40	9.38	238	5.75	146	0.75	20	6.50	165	24	11.0
2	50	8.63	219	6.25	159	1.00	25	8.25	210	30	13.6
2 1/2	65	10.63	270	7.00	178	1.00	25	9.25	235	40	18.2
3	80	12.00	305	7.75	197	1.25	32	10.50	267	55	25.0
4	100	14.50	368	10.50	267	1.50	40	14.75	375	105	47.7
6	150	20.00	508	14.75	375	2.00	50	21.00	533	200	91.0
8	200	23.38	594	18.75	476	2.00	50	27.00	686	360	164.0
10	250	27.38	695	22.75	578	2.00	50	34.50	876	430	195.5

Rating at 38°C.

Carbon Steel 740 psi/51 bar. Stainless Steel 275 psi/19 bar

Y-Strainers are offered to meet the specific requirements of the intended service. Carbon Steel construction is offered when strength to meet pressure/temperature parameters or resistance to mechanical shock is required. Stainless steel is a common material for corrosion resistance considerations.

We can also offer a full range of Model 80 Y-Strainers covering flanged end connections to 1500lb rating and socket weld/threaded connections to 2500lb rating.

### Model 85 Y-Strainers Flanged

Flanged units in 150lb and 300lb are manufactured from 1/2" to 10" in line size. These units are also used to protect process instrumentation and equipment. The compact configuration can offer a size advantage over basket-type strainers. Y-Strainers are most effective when solids loading is very low. Attaching a valve suitable for the intended service, to the connection on the flow-off flange will allow the unit to discharge trapped debris without disassembly of the unit.

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