

AIR SEPARATORS WITH STRAINER

ARS-STR SERIES



Air trapped in the system can damage capital equipments like pumps, and cause heat transfer loss and reduce efficiency of the system. It can also cause water hammer and erosion of pipes and erosion of pump impellers.

Teleflo Tangential air separators remove trapped air efficiently, using a combination of centrifugal force caused by the tangential nozzels and reduction of velocity, which causes the heavier water to be pushed to the sides of the vessel and finally to the outlet. The lighter air is pushed to the centre and upwards to the air vent.

The system provides for debris to be collected at the bottom which can be removed through the blow down connection.

The ARS -TL-STR-Series also has a built in strainer which traps large debris. This results in protection of the capital equipments in the process line.

Applications

- HYVAC pumping systems
- Chilled Water
- Hot Water Systems
- Addition of Volume

Features

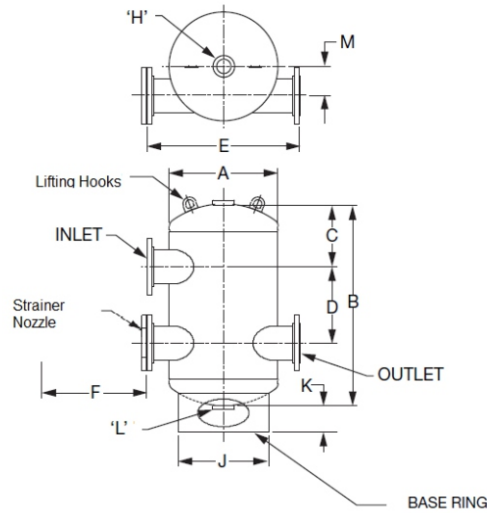
COMPONENT	MATERIAL
Shell Design	ASME SEC VIII- DIV 1
Type	Tangential Separator
Pressure Class	150 psi
Nozzels	ANSI B16.5 150 LBS IS standard Other standards on request
Mounting	Skirt mounted design for large sizes
Accessories on request	Auto vent valve

Material Data

COMPONENT	MATERIAL
SHELL & NOZZLE	CS TO IS 1239/3589 HEAVY WALL -CS TO IS 2062 -ASTM 106-40SCHDL SA 516 GR 60/70
Flanges	CS TO IS 2062, SA 516 GR 60/70, ASTM A105
Bolts	CS TO IS 1367 Gr 4.6, ASTM A 193 B7
Nuts	CS TO IS 1367 Gr 4.6, ASTM A 194 2H
Gaskets	Neoprene Rubber is standard

* Other materials available on request

Dimensions



INLET / OUTLET nb	A nb/mm	B mm	C mm	D mm	E mm	F-Screen Removal mm	H-NPT(f) nb	J nb/mm	K mm	L-NPT(f) nb	M mm	Optimal Flow lpm	Approx. Weight kg
50	300	25.5	205	225	450	450	32	No Base	No Base	32	90	304	23
65	300	25.5	205	225	450	450	32	No Base	No Base	32	90	494	64
80	300	25.5	205	225	500	450	32	No Base	No Base	32	90	722	69
100	400	32	250	300	600	550	32	300	165	32	120	1254	111
125	400	32	250	300	600	550	32	300	165	32	120	2090	138
150	500	40	315	425	650	650	32	400	165	32	140	3420	236
200	600	52	425	500	750	750	32	500	165	32	170	5700	359
250	750	58	450	600	1025	1000	32	600	200	32	220	9880	663
300	750	64	475	700	1025	1000	32	600	200	32	220	12920	747
350	900	75	550	840	1175	1150	32	750	200	32	250	17860	1493
400	1200	98	740	1000	1500	1475	32	1000	215	32	365	22800	2065
450	1350	113	790	1250	1650	1625	50	1100	240	50	425	30400	2899
500	1500	135	940	1500	1800	1750	50	2000	250	50	455	38000	4515

Pressure Drop Curve

