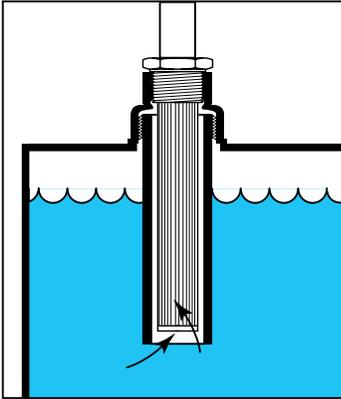


TANK-MOUNTED STRAINERS



A tank-mounted strainer (either suction or return) can be installed through a tank top by welding a standard bell reducer (coupling) over a hole cut in the top. A standpipe, threaded into the coupling, need be only long enough to stay below the lowest fluid level encountered. The strainer may be removed for servicing without draining the tank.

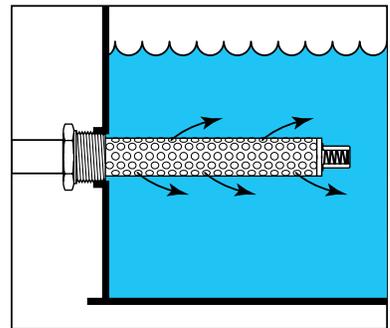
Flow Ezy tank-mounted strainers and diffusers install through the side wall, or through the tank top and into a standpipe. Either way, they can be removed through the hole in which they are mounted, and access to the tank interior is not necessary. They're made in three styles: for suction straining, return-line straining, or return-line diffusion. Diffusers have no wire cloth elements; their function is to reduce foaming, tank noise, need for baffling plates, and pump cavitation caused by flow disturbance at the pump inlet.

Strainer elements are offered in 30, 60, 100, or 200 mesh size. Bypass relief valves can be supplied, built in.

These products most commonly have a male NPT, to mount to the tank. A male SAE straight-thread is also offered. Several methods of connecting fluid lines exist, the most common being into a female NPT. (A female SAE straight-thread is also offered.) Hose connections, either beaded or barbed, are available too.

There's a wide choice of materials of construction. The standard (and least costly) units have a cast iron bushing, steel support tube, and stainless steel wire cloth element. Also offered are models with forged steel bushings, or an all-welded, all stainless steel unit (no epoxy).

A return-line strainer like that shown (or a suction strainer or flow diffuser) can be mounted through a tank wall.



For ordering information, see next pages.



Although designed for mounting through walls, these strainers can also be adapted to in-line use. Using standard pipe fittings like those shown, a "housing" for a strainer can be quickly assembled.

TANK-MOUNTED STRAINERS Dimensions

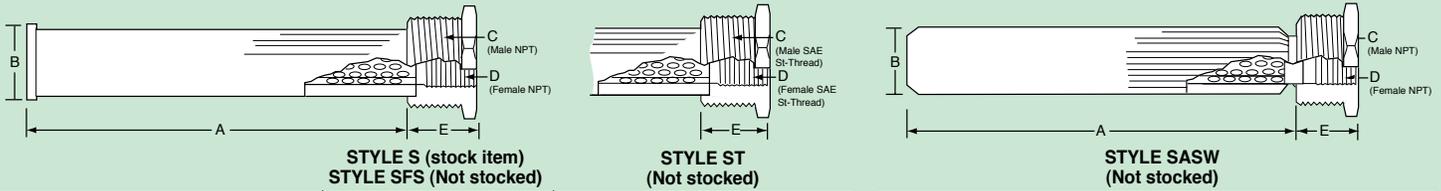
HOW TO ORDER - Select desired specifications from ordering table and build ordering code number, as shown in sample:

SAMPLE:			S	-	25	-	60	-	RV-5
			STYLE	-	GPM	-	MESH	-	VALVE
STYLE	CONSTRUCTION				GPM (FLOW CAPACITY)		MESH (SCREEN SIZE)		VALVE (OPTIONAL)
SUCTION	S	Iron construction, metal support tube, epoxy bonded			4,5,10,15,25,50,100		30,60,100,200		RV-3 (3-psi bypass) RV-5 (5-psi bypass)
	SFS	Forged steel bushings, metal support tube, epoxy bonded							
	SASW	All-stainless steel, all welded (no epoxy)							
	ST	Straight-thread steel bushing, metal tube, epoxy bonded			5,10,15,25				
RETURN	R	Iron bushings, metal support tube, epoxy bonded			5,10,15,25		30,60,100,200		RV-15 (15-psi bypass)
	RFS	Forged steel bushings, metal support tube, epoxy bonded			19,33,54,94,200,462				
	RASW	All-stainless steel, all welded (no epoxy)							
	RT	Straight-thread steel bushing, metal tube, epoxy bonded				19,33,54,94			
DIFFUSER	D	Iron bushings, perforated metal, epoxy joint			20,34,55,95,209,464		(No wire mesh element)		N/A
	DFS	Forged steel bushings, perforated metal, epoxy joint							
	DASW	All-stainless steel, all welded (no epoxy)							
	DT	Straight-thread steel bushing, perforated metal, epoxy joint				20,34,55,95			

Flow ratings are based on use of schedule 40 pipe.

SUCTION (Style S)

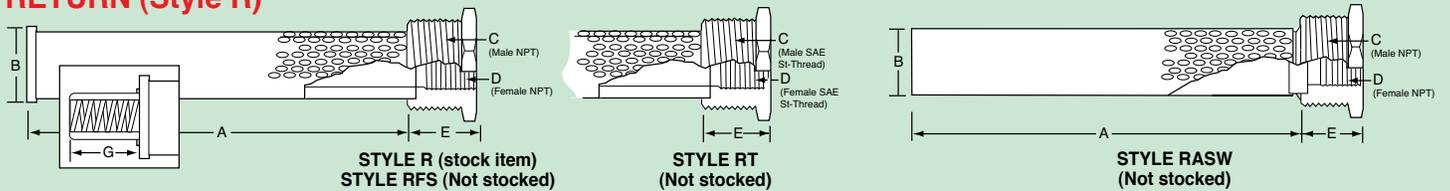
FOR PIPE LINE CONNECTION



SCREEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)	C (SAE Thd.)	D (SAE Thd.)	E (Approx.)
34	4	4-1/4	13/16	1	1/2	1-1/16	1-1/16-12	3/4-16	1
65	5	4-1/4	1-1/32	1	1/2	1-1/16	1-5/16-12	3/4-16	1
86	10	6-3/4	1-11/32	1-1/4	3/4	1-1/4	1-5/8-12	1-1/16-12	1
125	15	7-3/16	1-21/32	1-1/2	1	1-5/16	1-7/8-12	1-5/16	1
260	25	8-1/4	2-1/32	2	1-1/4	1-5/16	2-1/2-12	1-5/8-12	1
315	50	8	2-31/32	3	2	1-3/4	3-3/8-12	2-1/2-12	1
	100	9-5/8	4	4	3	1-3/4			

SCREEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)
26	5	4-5/8	1-1/8	1	1/2	1-1/16
65	10	7-1/4	1-11/32	1-1/4	3/4	1-3/16
68	15	7-1/2	1-21/32	1-1/2	1	1-1/4
100	25	8-5/8	1-7/8	2	1-1/4	1-1/2
160	50	8-1/4	3-3/16	3	2	1-7/8
275	100	10	4	4	3	2-1/8

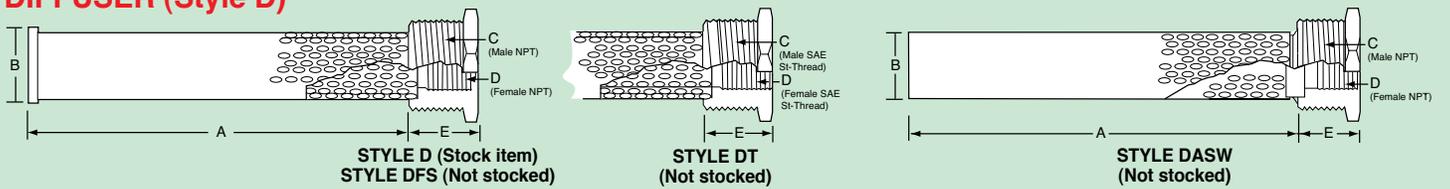
RETURN (Style R)



G	SCREEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)	C (SAE Thd.)	D (SAE Thd.)	E (Approx.)
7/8	34	19	4-1/4	1-1/32	1	1/2	1-1/16	1-5/16-12	3/4-12	1
1	65	33	6-3/4	1-11/32	1-1/4	3/4	1-1/4	1-5/8-12	1-1/16-12	1
1-1/8	86	54	7-3/16	1-21/32	1-1/2	1	1-5/16	1-7/8-12	1-5/16-12	1
1-1/4	125	94	8-1/4	2-1/32	2	1-1/4	1-5/16	2-1/2-12	1-5/8-12	1
1-1/2	260	200	8	2-31/32	3	2	1-3/4	3-3/8-12	2-1/2-12	1
2	315	462	9-5/8	4	4	3	1-3/4			

SCREEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)
26	19	4-5/8	7/8	1	1/2	1-1/16
65	33	7-1/4	1-1/8	1-1/4	3/4	1-3/16
68	54	7-1/2	1-3/8	1-1/2	1	1-1/4
100	94	8-5/8	1-5/8	2	1-1/4	1-1/2
160	200	8-1/4	2-7/8	3	2	1-7/8
275	462	10	3-5/8	4	3	2-1/8

DIFFUSER (Style D)



PERF. OPEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)	C (SAE Thd.)	D (SAE Thd.)	E (Approx.)
3.1	20	4-1/4	7/8	1	1/2	1-1/16	1-5/16-12	3/4-12	1
6.9	34	6-3/4	1-1/8	1-1/4	3/4	1-1/4	1-5/8-12	1-1/16-12	1
8.8	55	7-3/16	1-1/4	1-1/2	1	1-5/16	1-7/8-12	1-5/16-12	1
12.3	95	8-1/4	1-9/16	2	1-1/4	1-5/16	2-1/2-12	1-5/8-12	1
17	209	8	2-1/8	3	2	1-3/4	3-3/8-12	2-1/2-12	1
39	464	9-5/8	4	4	3	1-3/4			

PERF. OPEN AREA (in ²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)
3.1	20	4-5/8	7/8	1	1/2	1-1/16
6.9	34	7-1/4	1-1/8	1-1/4	3/4	1-3/16
8.8	55	7-1/2	1-1/4	1-1/2	1	1-1/4
12.3	95	8-5/8	1-9/16	2	1-1/4	1-1/2
21.1	209	8-1/4	2-7/8	3	2	1-7/8
33.2	464	10	3-5/8	4	3	2-1/8

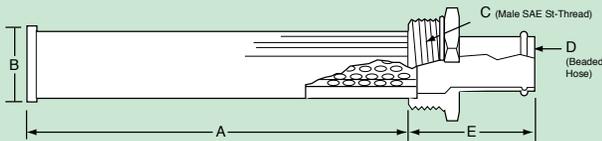
TANK-MOUNTED STRAINERS Dimensions

HOW TO ORDER - Select desired specifications from ordering table and build ordering code number, as shown in sample:

SAMPLE:		SHO	-	25	-	100	-	RV-3
		STYLE	-	GPM	-	MESH	-	VALVE
STYLE	CONSTRUCTION			GPM (FLOW CAPACITY)		MESH (SCREEN SIZE)		VALVE (OPTIONAL)
SUCTION	SHO	Steel bushing, metal support tube, epoxy bonded		5,10,15,25,50		30,60,100,200		RV-3 (3-psi bypass) RV-5 (5-psi bypass)
RETURN	RHO	Steel bushing, metal support tube, epoxy bonded		19,33,54,94,200		30,60,100,200		RV-15 (15-psi bypass)
DIFFUSER	DHO	Steel bushing, metal support tube, epoxy bonded		20,34,55,95		(No wire mesh element)		N/A

Flow ratings are based on use of schedule 40 pipe.

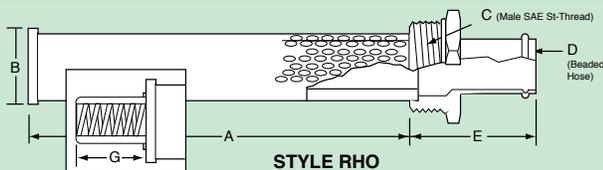
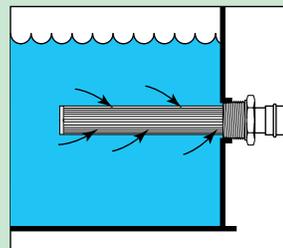
FOR HOSE LINE CONNECTION



STYLE SHO
(Special, not stocked)

SCREEN AREA (in ²)	GPM	A	B	C (SAE Thd.)	D (Hose ID)	E (Approx.)
34	5	4-1/4	1-1/32	1-5/16-12	1/2	2-1/4
65	10	6-3/4	1-11/32	1-5/8-12	3/4	2-5/16
86	15	7-3/16	1-21/32	1-7/8-12	1	2-5/16
125	25	8-1/4	2-1/32	2-1/2-12	1-1/4	2-1/2
125	30	8-1/4	2-1/32	2-1/2-12	1-1/2	2-1/2
260	50	8	2-31/32	3-3/8-12	2	3

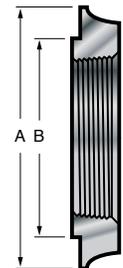
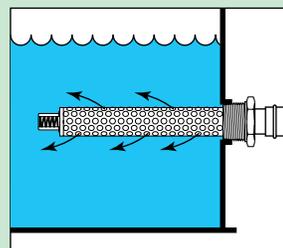
SUCTION



STYLE RHO
(Special, not stocked)

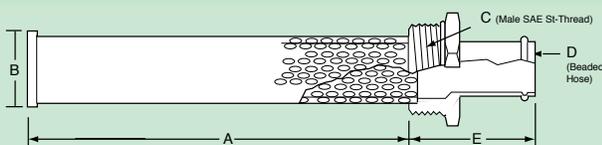
G	SCREEN AREA (in ²)	GPM	A	B	C (SAE Thd.)	D (HOSE ID)	E (APPROX.)
7/8	34	19	4-1/4	1-1/32	1	1/2	2-1/4
1	65	33	6-3/4	1-11/32	1-1/4	3/4	2-5/16
1-1/8	86	54	7-3/16	1-21/32	1-7/8-12	1	2-5/16
1-1/4	125	94	8-1/4	2-1/32	2-1/2-12	1-1/4	2-1/2
1-1/2	260	200	8	2-31/32	3-3/8-12	2	3

RETURN



WELD RING - ORDER SEPARATELY

THREAD SIZE	MODEL NUMBER	A	B
1-1/16-12	8632-WR	2-1/4	1-3/8
1-5/16-12	ST-5-WR	2-3/8	1-11/16
1-5/8-12	ST-10-WR	2-11/16	2
1-7/8-12	ST-15-WR	3	2-1/4
2-1/2-12	ST-25-WR	3-1/2	2-5/8
2-1/2-12	ST-30-WR	3-1/2	2-5/8
3-3/8-12	ST-50-WR	4-5/8	3-5/8



STYLE DHO
(Special, not stocked)

PERFORATION AREA (in ²)	GPM	A	B	C (SAE Thd.)	D (Hose ID)	E (Approx.)
3.1	20	4-1/4	7/8	1-5/16-12	1/2	2-1/4
6.9	34	6-3/4	1-1/8	1-5/8-12	3/4	2-5/16
8.8	55	7-3/16	1-1/4	1-7/8-12	1	2-5/16
12.3	95	8-1/4	1-9/16	2-1/2-12	1-1/4	2-1/2

DIFFUSER

