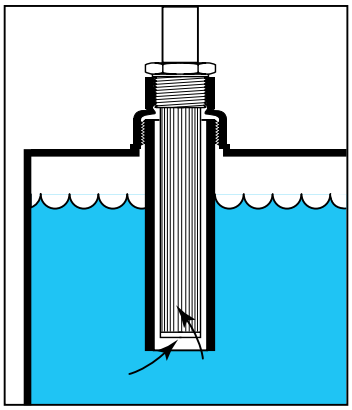
TANK-MOUNTED STRAINERS



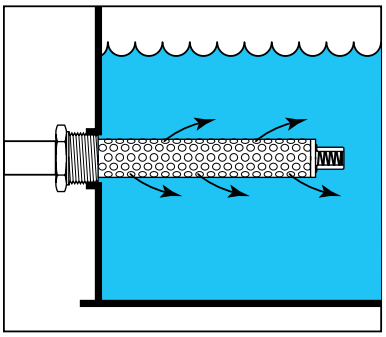
A tank-mounted strainer (either suction or return) can be installed through a tank top by welding a standard bell reducer (coupling) over a hole cut in the top. A standpipe, threaded into the coupling, need be only long enough to stay below the lowest fluid level encountered. The strainer may be removed 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, l00, 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

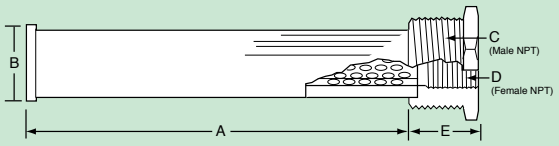
HOW TO ORDER - Select desired specifications from ordering table and build ordering code number, as shown in sample:

SAMPLE:	**S**	-	**25**	-	**60**	-	**RV-5**
	STYLE	-	GPM	-	MESH	-	VALVE

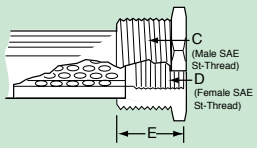
STYLE	CONSTRUCTION		GPM (FLOW CAPACITY)	MESH (SCREEN SIZE)	VALVE (OPTIONAL)
SUCTION	S SFS SASW	Iron construction, metal support tube, epoxy bonded Forged steel bushings, metal support tube, epoxy bonded All-stainless steel, all welded (no epoxy)	**4,5,10,15,25,50,100**	**30,60,100,200**	**RV-3** (3-psi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

Flow ratings are based on use of schedule 40 pipe.

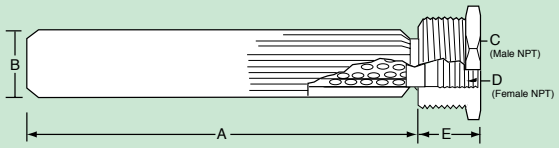
SUCTION (Style S) FOR PIPE LINE CONNECTION



STYLE S (stock item)
STYLE SFS (Not stocked)



STYLE ST
(Not stocked)

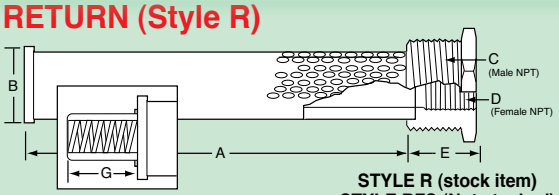


STYLE SASW
(Not stocked)

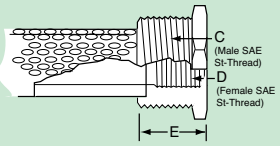
SCREEN AREA (in²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)	C (SAE Thd.)	D (SAE Thd.)	E (Approx.)
	4	4-1/4	13/16				1-1/16-12	3/4-16	1
34	5	4-1/4	1-1/32	1	1/2	1-1/16	1-5/16-12	3/4-16	1
65	10	6-3/4	1-11/32	1-1/4	3/4	1-1/4	1-5/8-12	1-1/16-12	1
86	15	7-3/16	1-21/32	1-1/2	1	1-5/16	1-7/8-12	1-5/16	1
125	25	8-1/4	2-1/32	2	1-1/4	1-5/16	2-1/2-12	1-5/8-12	1
260	50	8	2-31/32	3	2	1-3/4	3-3/8-12	2-1/2-12	1
315	100	9-5/8	4	4	3	1-3/4			

SCREEN AREA (in²)	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)



STYLE R (stock item)
STYLE RFS (Not stocked)



STYLE RT
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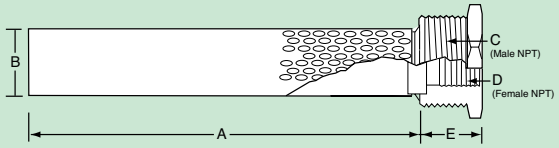
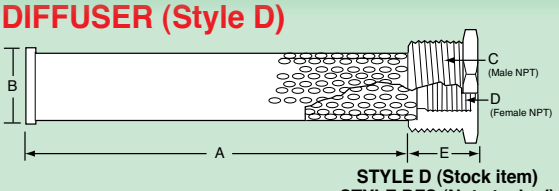


STYLE RASW
(Not stocked)

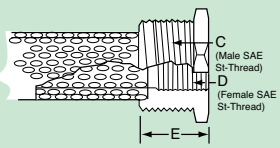
G	SCREEN AREA (in²)	GPM	A	B	C (NPT)	D (NPT)	E (Approx.)	C (SAE Thd.)	D (SAE Thd.)	E (Approx.)
7/8	34	19	4-1/4	1-1/32	1	1/2	1-1/16	1-5/16-12	3/4-12	1
1	65	33	6-3/4	1-11/32	1-1/4	3/4	1-1/4	1-5/8-12	1-1/16-12	1
1-1/8	86	54	7-3/16	1-21/32	1-1/2	1	1-5/16	1-7/8-12	1-5/16-12	1
1-1/4	125	94	8-1/4	2-1/32	2	1-1/4	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 (in²)	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

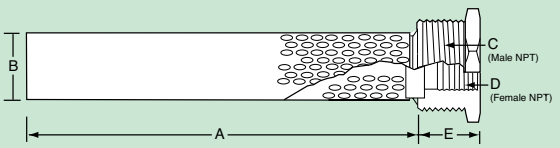
DIFFUSER (Style D)



STYLE D (Stock item)
STYLE DFS (Not stocked)



STYLE DT
(Not stocked)



STYLE DASW
(Not stocked)

PERF. OPEN AREA (in²)	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 (in²)	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

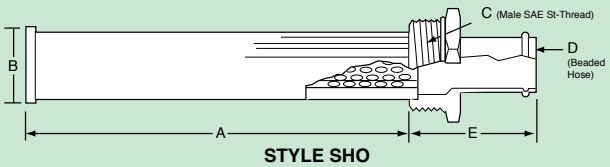
HOW TO ORDER - Select desired specifications from ordering table and build ordering code number, as shown in sample:

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.

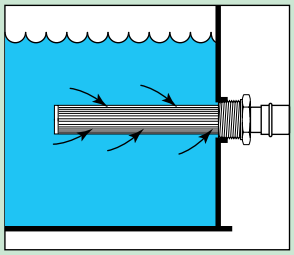
FOR HOSE LINE CONNECTION

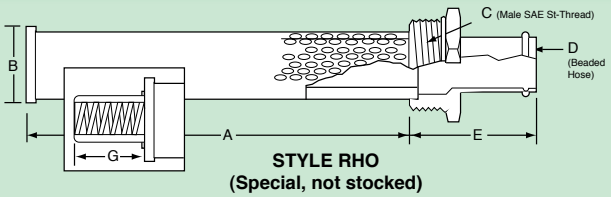


STYLE SHO
(Special, not stocked)

SCREEN AREA (in²)	**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

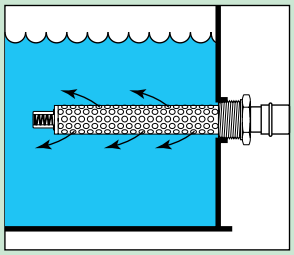


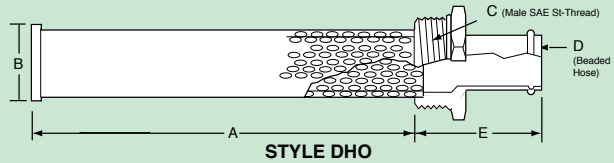


STYLE RHO
(Special, not stocked)

G	**SCREEN AREA (in²)**	**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

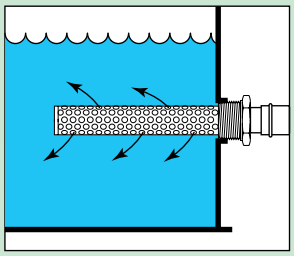


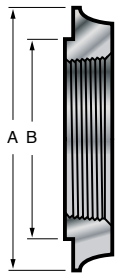


STYLE DHO
(Special, not stocked)

PERFORATION AREA (in²)	**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





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