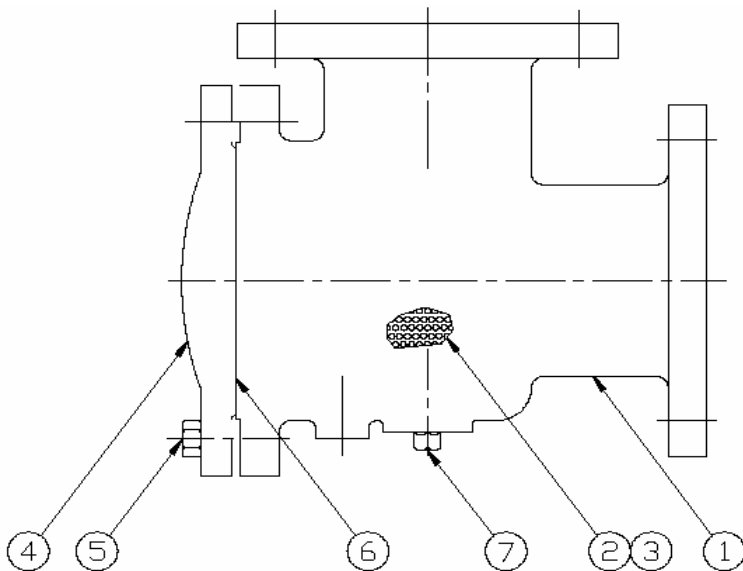


Installation:

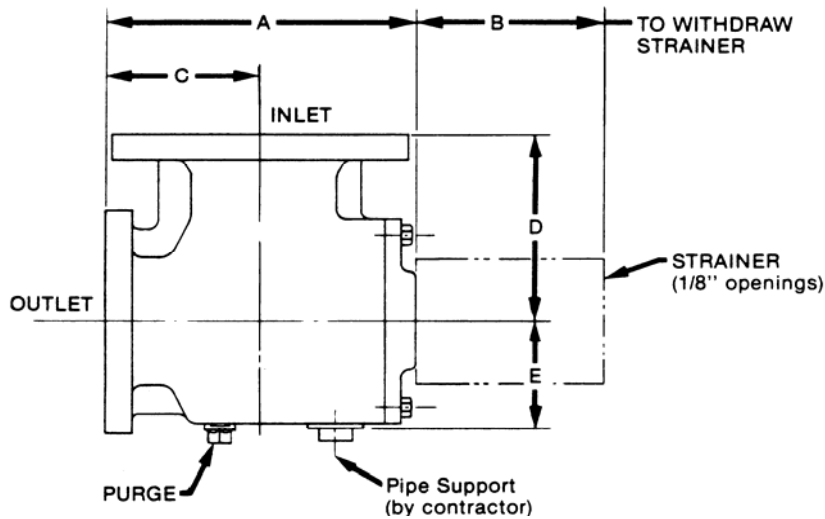
1. Install Suction Diffuser in piping with proper flow direction as indicated on diffuser.
2. Provide appropriate clearance in back of diffuser for removal of strainer. (Refer to dimension "C" on other side.)
3. Install a support leg and foot using standard pipe (see dimension "G" on other side) on underside of strainer.
4. Flush system piping and operate pumps for initial circulation of system.
5. After initial system circulation is complete, remove and discard the temporary fine mesh strainer. Do not discard the permanent strainer.

Operation & Maintenance:

1. Periodically (dependent on system conditions) open the suction diffuser and clean debris from strainer basket. Inspect strainer for holes. Replace if damaged.
2. Inspect stabilizing vanes for wear, scale or contaminants. Clean with wire brush as necessary.
3. Inspect magnet (if so equipped) for metal particulates. Clean or replace as necessary.



Key No.	Description	Material
1	Body	Cast Iron
2	Strainer	304SS
3	Mesh Grid	304SS
4	Cover	Cast Iron
5	Cap Screw	Steel
6	O Ring	NBR
7	Plug	Malleable Iron

**PRODUCT
DESCRIPTION**


For use on suction of centrifugal pump to save space, simplify piping and provide a uniform flow condition at the pump suction.

- Flanges are 125# ASA (flat face).
- Maximum working temperature is 300° F.
- Maximum working pressure is 175 PSI.

Model Number	125# ANSI		Strainer Open Area Sq. In.	Wgt. (lbs)	Dimensions							
	Inlet (pipe)	Outlet (pump)			A	B	C*	D	E	J	Purge	G
PSD2015-125	2	1 1/2	35	20	10.25	4.50	4.50	4.50	2.25	6.00	3/4"	1 1/4"
PSD2020-125	2	2	38	25	10.25	4.50	4.50	4.50	2.25	6.00	3/4"	1 1/4"
PSD2520-125	2 1/2	2	38	30	10.75	5.00	5.00	5.00	2.50	6.50	3/4"	1 1/4"
PSD2525-125	2 1/2	2 1/2	40	35	10.75	5.00	5.00	5.00	2.50	6.50	3/4"	1 1/4"
PSD3020-125	3	2	38	35	10.25	5.50	4.50	5.50	2.25	6.00	3/4"	1 1/4"
PSD3025-125	3	2 1/2	40	45	11.25	5.50	5.25	5.50	3.00	7.00	3/4"	1 1/4"
PSD3030-125	3	3	50	50	11.25	5.50	5.25	5.50	3.00	7.00	3/4"	1 1/4"
PSD4030-125	4	3	50	60	13.00	6.50	6.50	6.50	3.75	8.75	1"	1 1/4"
PSD4040-125	4	4	78	75	12.75	6.50	6.25	6.50	3.75	8.25	1"	1 1/4"
PSD5040-125	5	4	78	90	15.75	7.50	8.50	7.50	4.50	10.00	1"	1 1/4"
PSD5050-125	5	5	102	110	16.25	7.50	6.50	7.50	5.50	10.00	1"	1 1/4"
PSD6040-125	6	4	78	105	13.00	8.00	8.50	8.00	3.75	8.75	1"	1 1/4"
PSD6050-125	6	5	102	125	17.00	8.00	9.50	8.00	5.50	10.75	1"	1 1/4"
PSD6060-125	6	6	154	150	17.00	8.00	9.50	8.00	5.50	10.75	1"	1 1/4"
PSD8060-125	8	6	154	195	17.00	8.00	9.50	9.00	5.50	10.75	1"	1 1/4"
PSD8080-125	8	8	280	255	20.75	9.00	13.50	9.00	7.00	11.50	1 1/4"	2"
PSD1080-125	10	8	280	310	20.75	9.00	13.50	11.00	7.00	11.50	1 1/4"	2"
PSD1010-125	10	10	430	400	26.25	11.00	17.75	11.00	9.75	14.25	1 1/4"	2"
PSD1280-125	12	8	280	400	25.25	11.00	17.00	11.00	8.25	15.00	1 1/4"	2"
PSD1210-125	12	10	430	475	26.25	11.00	17.75	12.00	9.75	14.25	1 1/4"	2"
PSD1212-125	12	12	560	575	26.25	12.00	17.75	12.00	9.75	15.25	1 1/4"	2"

*Dimension "C" is space needed to withdraw the strainer from the housing.