

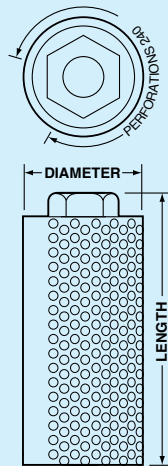
# FLOW DIFFUSERS

Flow diffusers are for hydraulic high-speed return lines, to slow down fluids entering the reservoir. They help cure foaming problems and prevent cavitation caused by flow disturbance at the pump inlet. They allow greater freedom in reservoir design, and may even eliminate the need for tank baffling plates. They also reduce reservoir noise.

The unit is of all-steel welded construction, and may be ordered with nut or nipple connector.

## HOW TO ORDER

MODEL	Length	Diameter
D-33	3-1/8	3-3/16
D-33 Nipple	4-5/16	
D-54	5-3/8	3-3/16
D-54 Nipple	6-9/16	
D-94	7-3/16	3-3/16
D-94 Nipple	8-1/8	
D-127	8-13/16	4-1/8
D-127 Nipple	9-3/4	
D-210	9-11/16	4-1/8
D-210 Nipple	10-3/8	
D-300	12-11/16	5-1/4
D-300 Nipple	13-1/16	
D-460	12-11/16	5-1/4
D-460 Nipple	13-1/16	
D-700	18-1/4	8-1/4



## ENGINEERING DATA

Model No.*	Return Flow at 20 ft. Per Sec.** GPM	Connector Size NPT	Total Open Area of Perforations Each .093" Dia.	Ratio of Area Performances: PIPE
D-33	33	3/4	5 Sq. In.	8.8:1
D-54	54	1	11 Sq. In.	13:1
D-94	94	1-1/4	16 Sq. In.	11:1
D-127	127	1-1/2	26 Sq. In.	13:1
D-210	210	2	28 Sq. In.	8.3:1
D-300	300	2-1/2	48 Sq. In.	10:1
D-460	460	3	48 Sq. In.	6.5:1
D-700	700	4 & 6	SPECIAL ORDER ONLY	

\*When ordering a NIPPLE connection, add word NIPPLE to model number  
 \*\*Returning fluid speed, based on use of Schedule 40 pipe.



# STRAINER MAGNETS

Flex-Wrap Magnets make sump strainers work better. These flexible magnets wrap around strainer elements to help catch tiny iron particles which might otherwise get through the mesh, thus improving strainer performance. They are easy to install, easy to remove for cleaning, and easy to clean (just wipe with a cloth). They don't block the pleats of the strainer; they just touch the tops.

Flex-Wrap Magnets are available in sizes for use on strainer elements with:

- 2-in. OD (3-gpm strainer),
- 3-in. OD (5-, 10- & 20-gpm strainers),
- 4-in. OD (30- & 50-gpm strainers),
- 5-in. OD (75- & 100-gpm strainers),
- and 6, 8 and 10-in. OD (for Texas strainers).

**Many other sizes available. Call factory.**

## RECOMMENDED USAGE ON FLOW EZY STRAINERS IS (Order by OD):

For Strainer Element		Recommended Number of Magnets
OD (in.)	GPM	
2	3	1
3	5,10,20	2
4	30,50	2
5	75,100	4
6,8,10	Texas Strainer	4

