



Wheatley HVAC Suction Diffuser

Class 125

The Wheatley Suction Diffuser is designed to reduce space and installation costs by replacing a long radius elbow, strainer and extended entry pipe on suction side of the pump. The flow stabilizing vanes reduce turbulence and resulting stress and vibration.

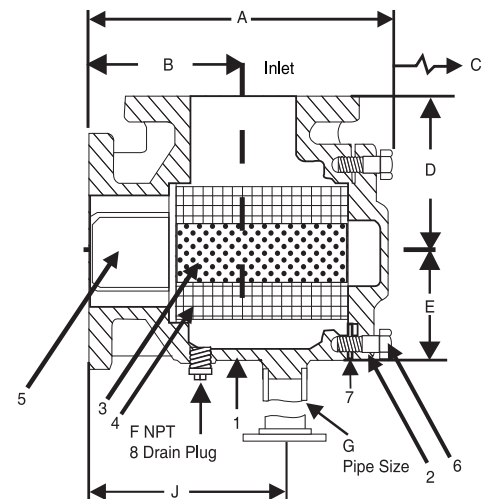
In addition, the suction Diffuser strainer removes foreign particles which may be hazardous to the pump and other system components. Consult the factory for materials recommendation based on flow media.

Features:

- Available in sizes 2" x 1 1/2" through 12"x12"
- Ductile iron bodies
- Flanged inlet-outlet connections
- Direct mounting in horizontal or vertical position ANSI (ASA) flat faced
- Integrally cast stabilizing vanes
- Separate fine mesh start up screen surrounds each perforated screen
- Cast on pads for convenient mounting of standard I.D. Support foot
- Magnetic drain plugs for removal of foreign particles without disassembly
- Class 125 (175 PSI)
- 300° F maximum working temperature
- Painted Exterior

Multi-function Benefits:

- Saves cost and space by replacing: 90° Elbow, strainer and flow stabilizing piping



Bill of Materials

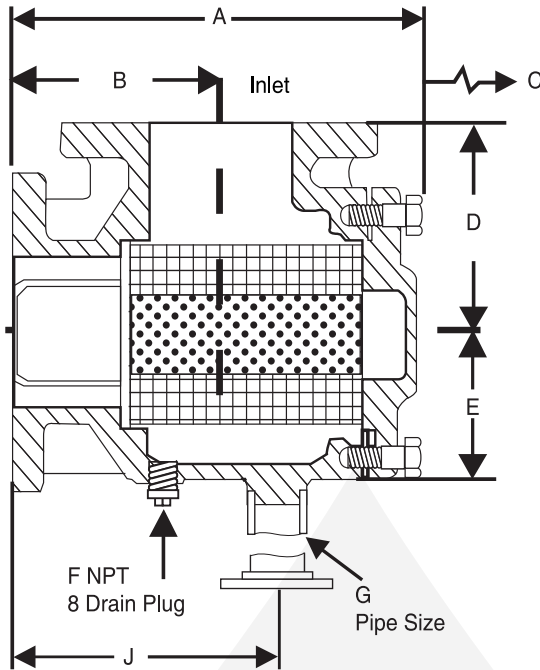
ITEM	DESCRIPTION	MATERIAL
1	Body	ASTM A536 Ductile Iron
2	Cover	ASTM A536 Ductile Iron
3	Strainer	304 Stainless Steel
4	Start Up Strainer	20 Mesh Screen 304 SS
5	Diffuser	ASTM A536 Ductile Iron
6	Cap Screw	Steel
7	Gasket/O-Ring	Consult Factory
8	Plug	Steel with magnet

All packaging materials, thread protectors, plastic plugs and caps must be removed before installation.

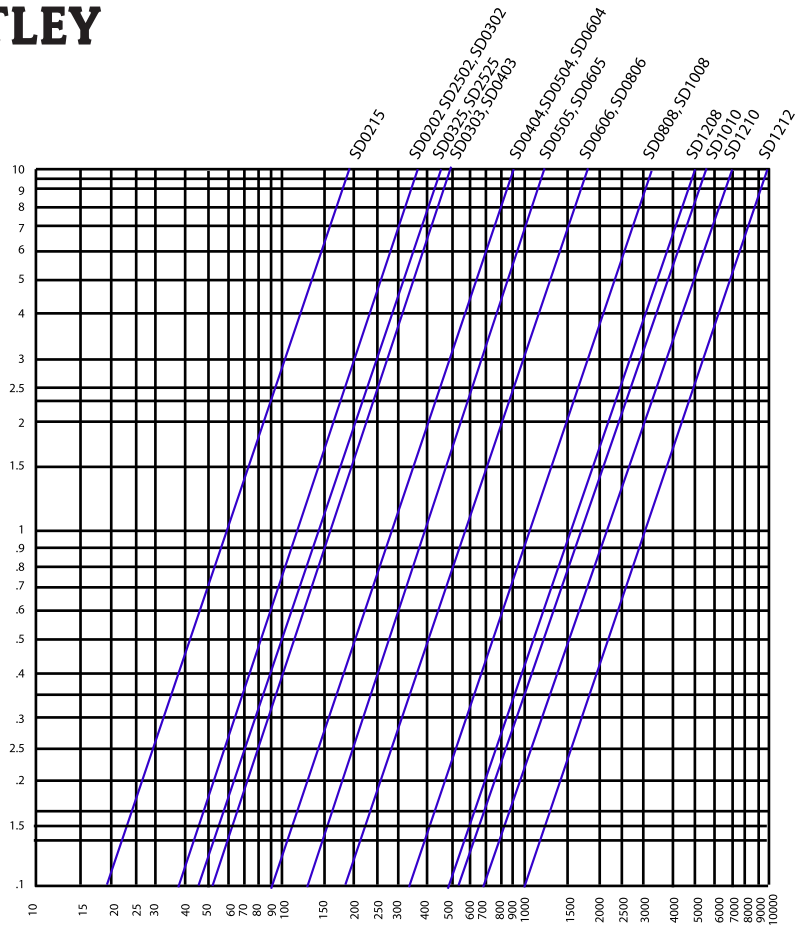
Dimensions are subject to change without notice, please confirm actual dimensions with factory at time of order.



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PRESSURE LOSS - FEET OF WATER



FLOW RATE - GPM WATER AT 70°F

*For individual balancing flow charts, please consult factory

PART NUMBER	INLET	OUTLET	STRAINER		DIMENSIONS (IN)								WIDTH	WEIGHT (LBS)
			FREE AREA	DIA. OPEN. (IN.)	A	B	C	D	E	F(NPT)	**G	J		
SD0215	2	1 1/2	27	1/8	9 3/8	4 1/2	8 13/16	4 1/2	2 3/16	3/4	1	6 1/8	6 1/2	21
SD0202	2	2	27	1/8	9 3/8	4 1/2	8 13/16	4 1/2	2 3/16	3/4	1	6 1/8	6 1/2	23
SD2502	2 1/2	2	37	1/8	10 3/8	5	9 3/8	5	3 1/8	3/4	1	6 9/16	7 1/2	32
SD2525	2 1/2	2 1/2	37	1/8	10 3/8	5	9 3/8	5	3 1/8	3/4	1	6 9/16	7 1/2	34
SD0302	3	2	37	1/8	8 1/8	4 1/4	5	4 11/16	3 1/8	3/4	1	5 5/8	7 1/2	37
SD0325	3	2 1/2	37	1/8	8 1/4	4 3/8	5	4 11/16	3 1/8	3/4	1	5 3/4	7 1/2	49
SD0303	3	3	50	1/8	9 3/8	4 3/4	5 1/4	4 3/4	3 5/8	3/4	1	6 5/8	7 1/2	55
SD0403	4	3	50	1/8	9 3/8	4 3/4	5 1/4	5 5/8	3 5/8	3/4	1	6 5/8	9	57
SD0404	4	4	82	1/8	11 1/8	5 3/4	6 3/4	5 3/4	4 1/4	3/4	1 1/4	7 5/8	9	92
SD0504	5	4	82	1/8	11 1/8	5 3/4	6 3/4	6 5/8	4 1/4	3/4	1 1/4	7 5/8	10	97
SD0505	5	5	104	1/8	12 5/8	6 1/2	7 1/8	6 1/2	4 7/8	1	1 1/4	8 5/8	10	101
SD0604	6	4	82	1/8	11 1/8	5 3/4	6 3/4	7 1/2	4 1/4	3/4	1 1/4	7 3/4	11	104
SD0605	6	5	104	1/8	12 5/8	6 1/2	7 1/8	7 3/8	4 7/8	1	1 1/4	8 5/8	11	145
SD0606	6	6	153	1/8	13 7/8	7	7 7/8	7	5 7/8	1	2	9 1/8	11	182
SD0806	8	6	153	1/8	13 7/8	7	7 7/8	8 3/4	5 7/8	1	2	9 1/8	13 1/2	197
SD0808	8	8	275	1/8	18 7/8	9 1/4	16 1/4	9 1/4	6 3/8	1	2	11 5/8	13 1/2	292
SD1008	10	8	275	1/8	18 7/8	9 1/4	16 1/4	11	6 3/8	1	2	11 5/8	16	312
SD1010	10	10	420	1/8	23 7/8	11	16 1/8	11 1/4	8	1	2	13 3/4	16	398
SD1208	12	8	250	1/8	18 7/8	9 1/4	16 1/4	12	6 3/8	1	2	11 5/8	19	412
SD1210	12	10	380	1/8	23 7/8	11	16 1/8	12	8	1	2	13 3/4	19	491
SD1212	12	12	560	1/8	26	12	18 1/8	12	9 1/4	1	2	13 7/8	19	573

*Perforated basket includes fine mesh start-up screen. Start-up screen should be removed and disposed of after 1 month of operation.

**Pipe Support supplied by contractor.



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