

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.

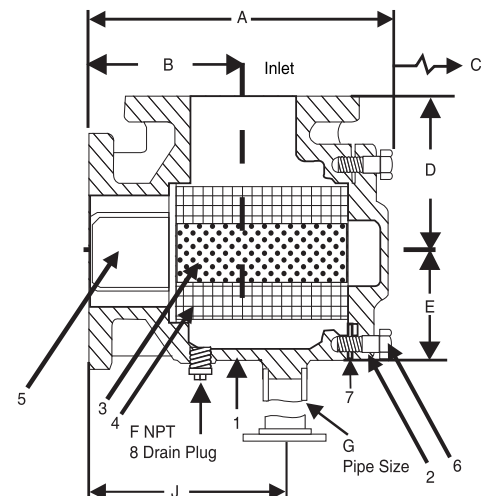
In addition, the suction Diffuser strainer removes foreign particles which may be hazardous to the pump and other system components. Consult the factory for materials recommendation based on flow media.

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

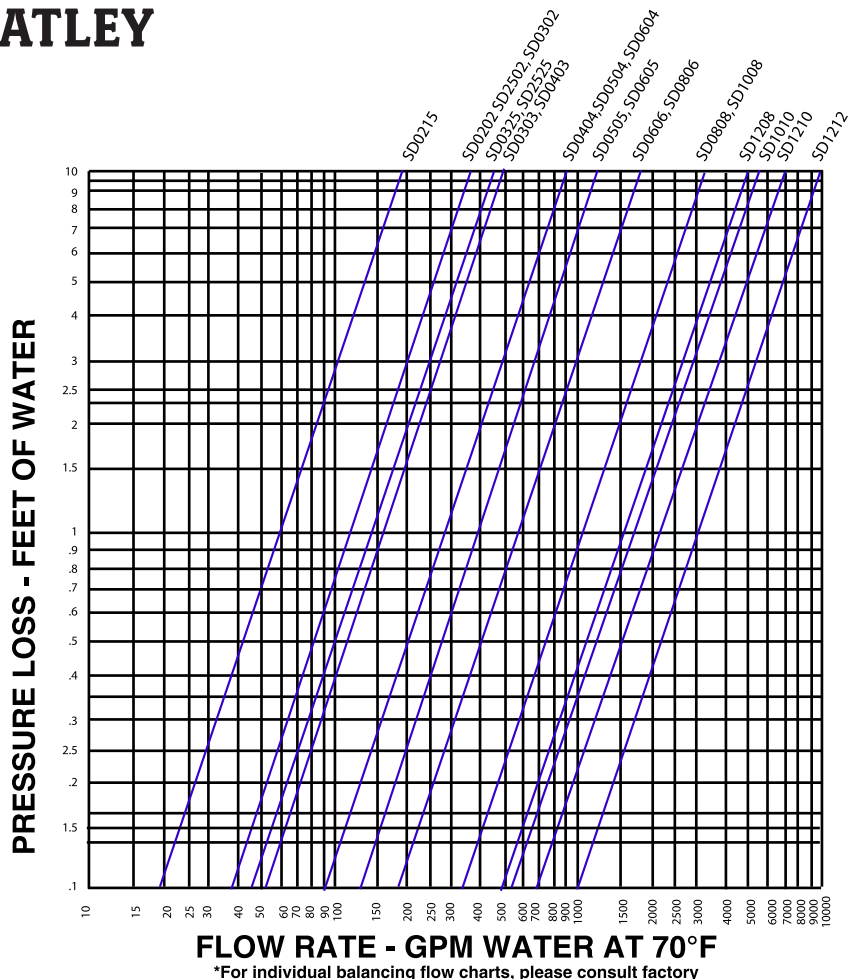
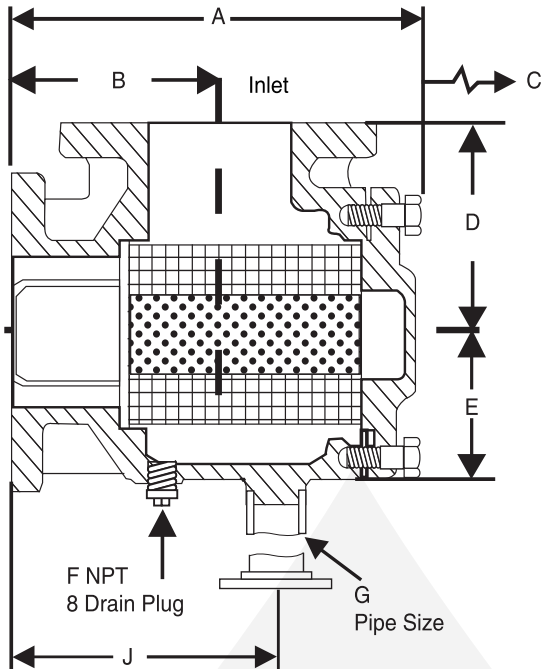
ITEM	DESCRIPTION	MATERIAL
1	Body	ASTM A536 Ductile Iron
2	Cover	ASTM A536 Ductile Iron
3	Strainer	304 Stainless Steel
4	Start Up Strainer	20 Mesh Screen 304 SS
5	Diffuser	ASTM A536 Ductile Iron
6	Cap Screw	Steel
7	Gasket/O-Ring	Consult Factory
8	Plug	Steel with magnet

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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PENTAIR PART NUMBER	PART NUMBER	INLET	OUTLET	STRAINER		DIMENSIONS (IN)										WEIGHT (LBS)
				FREE AREA	DIA. OPEN	A	B	C	D	E	F(NPT)	**G	J	WIDTH		
2920268642	SD0215-B	2	1.5	27	1/8	9 3/8	4 1/2	8 4/5	4 1/2	2 1/5	3/4	1	6 1/8	6 1/2	21	
2920269642	SD0202-B	2	2	27	1/8	9 3/8	4 1/2	8 4/5	4 1/2	2 1/5	3/4	1	6 1/8	6 1/2	23	
2920270642	SD2502-B	2.5	2	37	1/8	10 3/8	5	9 3/8	5	3 1/8	3/4	1	6 4/7	7 1/2	32	
2920271642	SD2525-B	2.5	2.5	37	1/8	10 3/8	5	9 3/8	5	3 1/8	3/4	1	6 4/7	7 1/2	34	
2920272642	SD0302-B	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	
2920273642	SD0325-B	3	2.5	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	
2920274642	SD0303-B	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	
2920275642	SD0403-B	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	
2920276642	SD0404-B	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	
2920277642	SD0504-B	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	
2920278642	SD0604-B	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	
2920279642	SD0505-B	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	
2920280642	SD0605-B	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	
2920281642	SD0606-B	6	6	153	1/8	13 7/8	7	7 7/8	7	5 7/8	1	2	9 1/8	11	182	
2920282642	SD0806-B	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	
2920283642	SD0808-B	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	
2920284642	SD1008-B	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	
2920285642	SD1010-B	10	10	420	1/8	23 7/8	11	16 1/8	11 1/4	8	1	2	13 3/4	16	398	
2920286642	SD1208-B	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	
2920287642	SD1210-B	12	10	380	1/8	23 7/8	11	16 1/8	12	8	1	2	13 3/4	19	491	
2920288642	SD1212-B	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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