



Submittal Data Information

Suction Diffuser Rear Strainer Pullout (RSP) "Flanged"

301-239

SUPERSEDES: November 30, 2007

EFFECTIVE: September 1, 2008

JOB _____ ENGINEER _____ CONTRACTOR _____ REP. _____

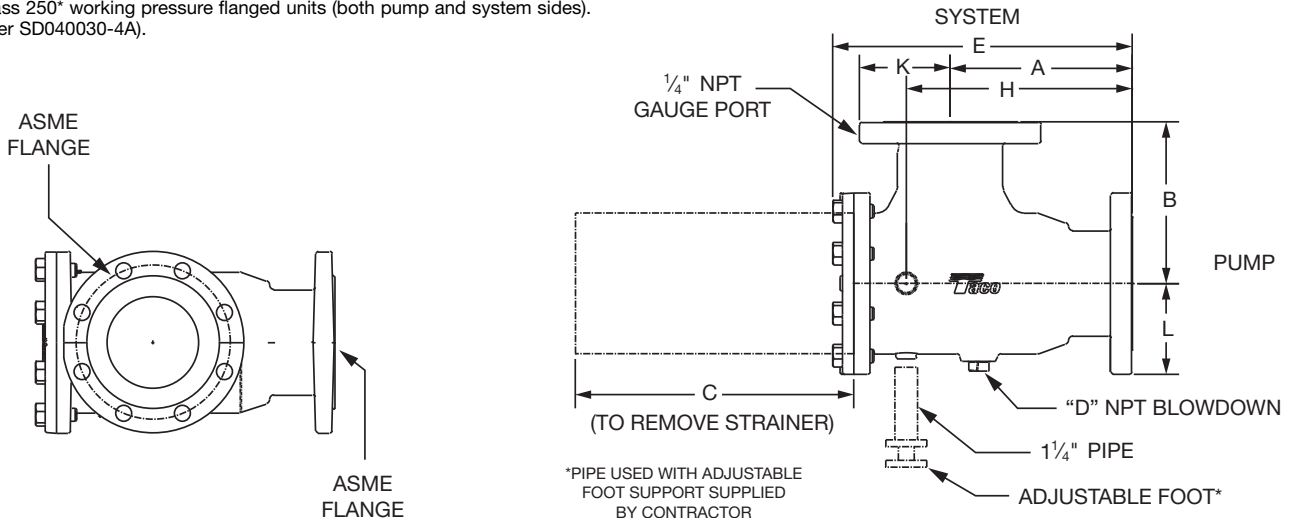
ITEM	QUANTITY	MODEL NO.	SIZE
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DIMENSIONS

Model Number	System	Pump	C _v	Free Area (sq. in.)	A (Class 125*)	A (Class 250*)	B	C	D	E	H	K (125*)	K (250*)	L (125*)	L (250*)	WEIGHT (125#)	WEIGHT (250#)
SD020015-4	2 Flanged	1½ Flanged	54	21	5.69 (145)	6.06 (154)	5.39 (137)	8.49 (216)	¾	9.25 (235)	6.92 (176)	3.00 (076)	3.25 (083)	2.50 (064)	3.06 (078)	22 (010)	27 (012)
SD020020-4	2 Flanged	2 Flanged	106	21	5.44 (138)	5.69 (145)	5.39 (137)	8.24 (209)	¾	9.00 (229)	6.67 (169)	3.00 (076)	3.25 (083)	3.00 (076)	3.25 (083)	24 (011)	28 (013)
SD025020-4	2½ Flanged	2 Flanged							¾			3.50 (089)	3.75 (095)	3.00 (076)	3.25 (083)	27 (012)	35 (016)
SD030020-4	3 Flanged	2 Flanged							¾			3.75 (095)	4.12 (105)	3.00 (076)	3.25 (083)	29 (013)	39 (018)
SD025025-4	2½ Flanged	2½ Flanged	135	24	6.06 (154)	6.56 (167)	6.01 (153)	8.97 (228)	¾	9.25 (235)	7.41 (188)	3.50 (089)	3.75 (095)	3.50 (089)	3.75 (095)	38 (017)	54 (025)
SD030025-4	3 Flanged	2½ Flanged							1			3.75 (095)	4.12 (105)	3.50 (089)	3.75 (095)	38 (017)	52 (024)
SD030030-4	3 Flanged	3 Flanged	220	35	6.86 (174)	7.62 (194)	6.56 (167)	10.47 (266)	1	11.41 (290)	8.32 (211)	3.75 (095)	4.12 (105)	3.75 (095)	4.12 (105)	50 (023)	66 (030)
SD040030-4	4 Flanged	3 Flanged							1			4.50 (114)	5.00 (127)	3.75 (095)	4.12 (105)	55 (025)	72 (033)
SD040040-4	4 Flanged	4 Flanged	380	64	7.94 (202)	8.93 (227)	8.45 (215)	12.86 (327)	1	13.96 (355)	10.29 (261)	4.50 (114)	5.00 (127)	4.50 (114)	5.00 (127)	73 (033)	91 (041)
SD050040-4	5 Flanged	4 Flanged							1			5.00 (127)	5.50 (140)	4.50 (114)	5.00 (127)	75 (034)	97 (044)
SD060040-4	6 Flanged	4 Flanged							1			5.50 (140)	6.25 (159)	4.50 (114)	5.00 (127)	79 (036)	109 (049)
SD050050-4	5 Flanged	5 Flanged	669	100	10.06 (256)	10.06 (256)	8.94 (227)	15.36 (390)	1	16.54 (420)	12.48 (317)	5.00 (127)	5.50 (140)	5.00 (127)	5.50 (140)	90 (041)	116 (053)
SD060050-4	6 Flanged	5 Flanged							1			5.50 (140)	6.25 (159)	5.00 (127)	5.50 (140)	96 (044)	127 (058)
SD060060-4	6 Flanged	6 Flanged	985	146	11.58 (294)	12.08 (307)	11.17 (284)	19.02 (483)	1	20.39 (518)	16.17 (411)	5.50 (140)	6.25 (159)	5.50 (140)	6.25 (159)	151 (069)	193 (088)
SD080060-4	8 Flanged	6 Flanged							1			6.75 (171)	7.50 (191)	5.50 (140)	6.25 (159)	170 (077)	215 (098)
SD100060-4	10 Flanged	6 Flanged							1			8.00 (203)	8.75 (222)	5.50 (140)	6.25 (159)	182 (083)	238 (108)
SD080080-4	8 Flanged	8 Flanged	1657	248	14.43 (367)	15.31 (389)	13.21 (336)	23.79 (604)	1	25.32 (643)	20.22 (514)	6.75 (171)	7.50 (191)	6.75 (171)	7.50 (191)	271 (123)	319 (145)
SD100080-4	10 Flanged	8 Flanged							1			8.00 (203)	8.75 (222)	6.75 (171)	7.50 (191)	284 (129)	351 (159)
SD120080-4	12 Flanged	8 Flanged							1			9.50 (241)	10.25 (260)	6.75 (171)	7.50 (191)	305 (138)	388 (176)
SD100100-4	10 Flanged	10 Flanged	2650	394	18.36 (446)	19.61 (498)	14.54 (369)	29.40 (747)	1	31.10 (790)	25.64 (651)	8.00 (203)	8.75 (222)	8.00 (203)	8.75 (222)	400 (182)	482 (219)
SD120100-4	12 Flanged	10 Flanged							1			9.50 (241)	10.25 (260)	8.00 (203)	8.75 (222)	420 (191)	518 (235)
SD140100-4	14 Flanged	10 Flanged							1			11.50 (292)	12.25 (311)	8.00 (203)	8.75 (222)	441 (200)	557 (253)
SD120120-4	12 Flanged	12 Flanged	3000	570	20.39 (518)	22.64 (575)	16.62 (422)	33.72 (856)	1	35.50 (902)	29.83 (758)	9.50 (241)	10.25 (260)	9.50 (241)	10.25 (260)	589 (267)	703 (319)
SD140120-4	14 Flanged	12 Flanged							1			11.50 (292)	11.50 (292)	9.50 (241)	10.25 (260)	617 (280)	786 (357)
SD160120-4	16 Flanged	12 Flanged							1			11.75 (298)	12.75 (324)	9.50 (241)	10.25 (260)	651 (296)	802 (364)
SD140140-4	14 Flanged	14 Flanged	3940	628	22.31 (567)	22.31 (567)	19.26 (489)	34.00 (864)	1	37.66 (957)	31.61 (803)	10.50 (267)	11.50 (292)	10.50 (267)	11.50 (292)	895 (406)	1049 (476)
SD160140-4	16 Flanged	14 Flanged							1			11.75 (298)	12.75 (324)	10.50 (267)	11.50 (292)	934 (424)	1106 (502)

NOTE: Dimensions are in inches. Metric dimensions are in millimeters and are in parentheses (). Weights are in lb (kg). 'C' is the distance required to replace strainer.

Append 'A' for Class 250* working pressure flanged units (both pump and system sides). (e.g. Model Number SD040030-4A).



FEATURES

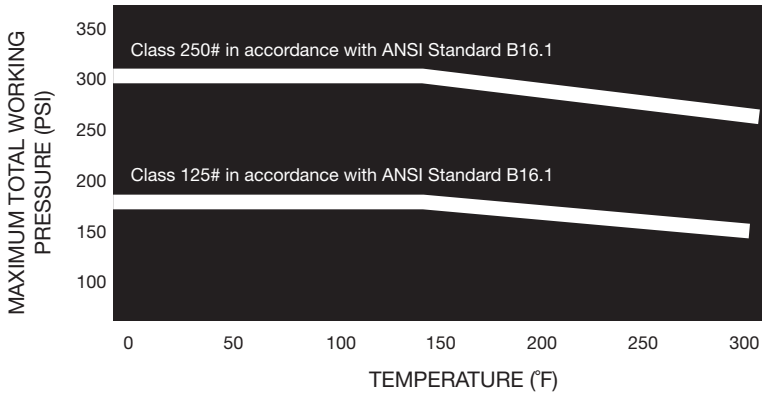
- Full Length Straightening Vane Assembly ensures uniform flow to the suction inlet of the pump
- Oversized Body Cylinder ensures minimal pressure drop
- Metering Port allows for the monitoring of system conditions
- Disposable Fine Mesh Start-Up Strainer promotes cleaner, more trouble-free system
- Removable Cover Plate and reusable "O" Ring allows for easy access and maintenance of Permanent Strainer
- Blow Down port allows for routine maintenance and removal of sediment and debris
- Ductile Iron Body on all units
- Optional Magnetic Insert to trap small metallic particles
- Available with Class 125* flanges or Class 250* flanges. Consult pressure/temperature chart below for operating limitations. (Flanged units are raised faced design.)

(All sizes available with optional DIN Flanges. Consult factory for details)

MATERIALS OF CONSTRUCTION

- | | |
|------------------------------|-------------------------|
| Body | - Ductile Iron |
| Cover | - Ductile Iron |
| Straightening Vanes | - Stainless Steel (304) |
| Permanent Strainer | - Stainless Steel (304) |
| Disposable Start Up Strainer | - Bronze (16 Mesh) |
| Cover O-Ring | - EPDM |

PRESSURE TEMPERATURE RATINGS

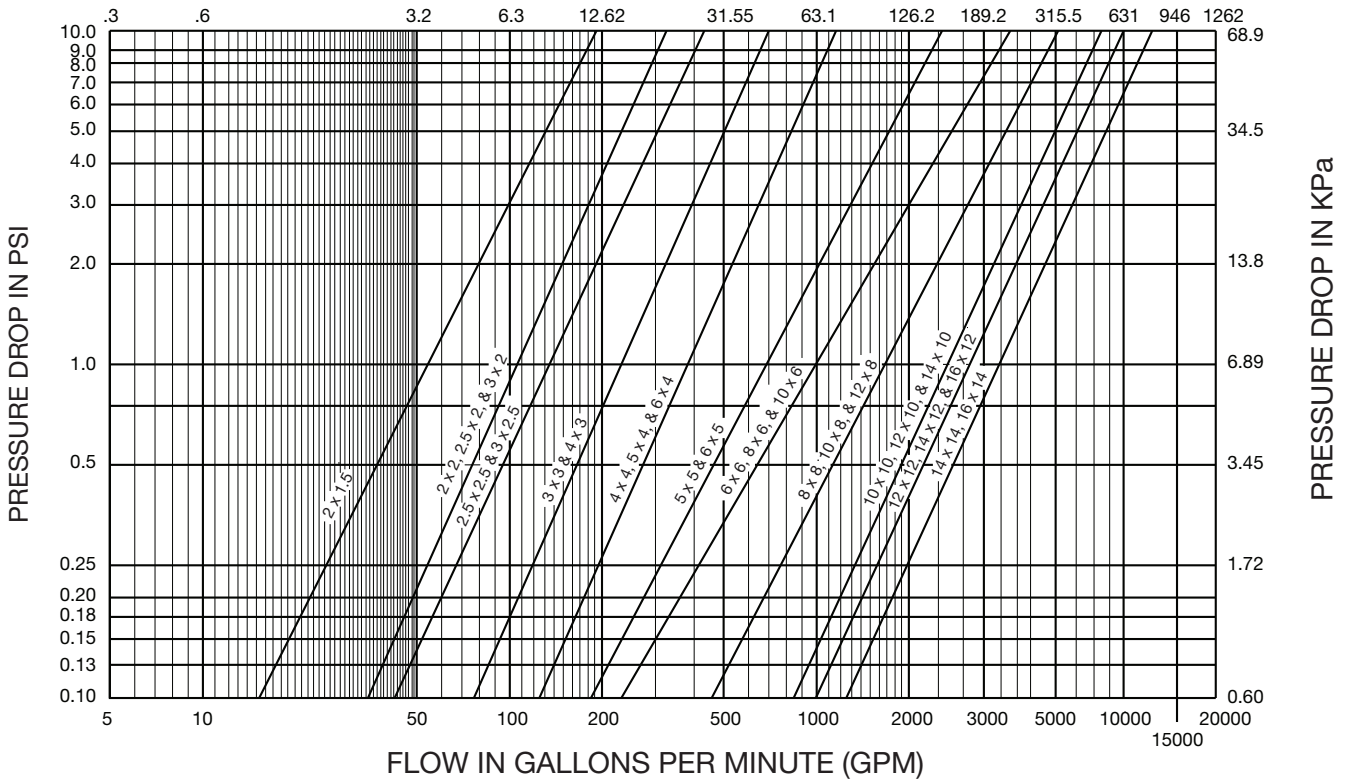


OPERATING SPECIFICATIONS

	Standard	Optional
Flange	Class 125*	Class 250*
Pressure	175 PSIG* (1210 KPA)	300 PSIG* (2070 KPA)
Temperature	250°F (120°C**)	250°F (120°C**)

* Per Pressure Temperature Ratings chart to left.

FLOW IN LITERS PER SECOND (L/SEC)



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