

MODEL SGHH SUCTION GUIDES | SUBMITTAL

File No: 35.521
 Date: MAY 15, 2017
 Supersedes: 35.521
 Date: JUNE 30, 2011

Job: _____ Representative: _____
 _____ Ordered by: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

MODEL NUMBER	CONNECTION SIZES ANSI 250 FLANGED		QUANTITY REQUIRED	IDENTIFICATION
	INLET FROM SYSTEM	OUTLET TO PUMP		

MATERIALS OF CONSTRUCTION

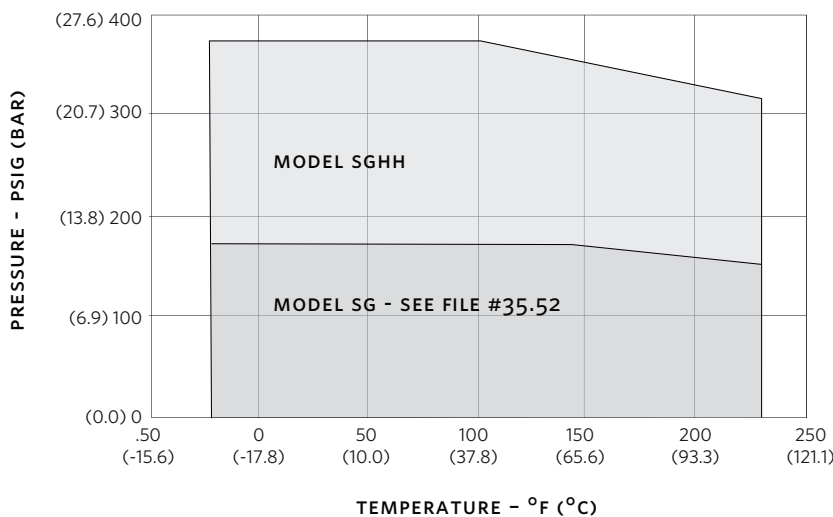
Body: Ductile iron
Strainer: Stainless steel, 0.125" (3 mm) perf.
Start-up strainer (remove after 1 week): Fine mesh
 galvanized steel
Guide vanes: Ductile iron
Inlet gauge tapping: 1/4" NPT - plugged

MAXIMUM PUMP OPERATING CONDITIONS

ANSI 125
 375 psig at 300°F (25 bar at 150°C)

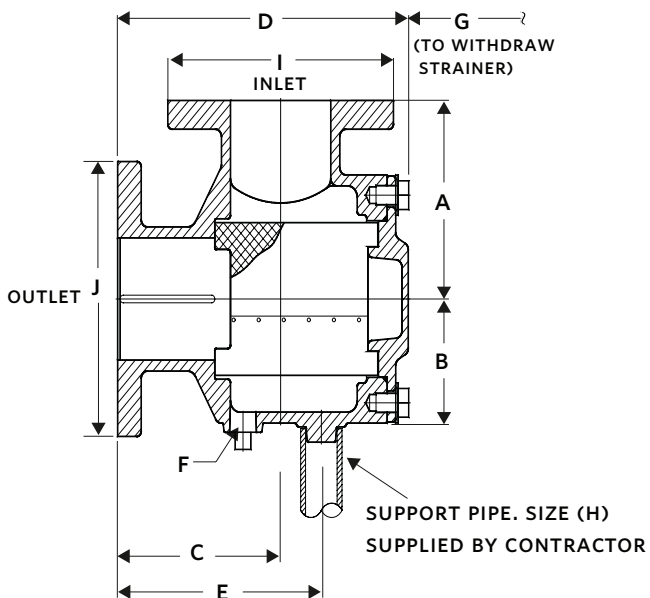
OPTIONS

PRESSURE TEMPERATURE LIMITS



PRESSURE DROP - FT (M) OF WATER @FLOW IN USGPM (L/S)

MODEL	VELOCITY in ft/s (m/s)						
	3 (0.91)	4 (1.22)	5 (1.52)	6 (1.83)	8 (2.44)	10 (3.05)	12 (3.66)
SGHH-22							
SGHH-252	0.11 (0.03) @32 (2.0)	0.20 (0.06) @43 (2.7)	0.32 (0.10) @54 (3.4)	0.43 (0.13) @64 (4.0)	0.80 (0.25) @86 (5.4)	1.28 (0.40) @108 (6.8)	1.72 (0.54) @128 (8.1)
SGHH-32							
SGHH-2525	0.18 (0.05) @45 (2.8)	0.32 (0.10) @50 (3.2)	0.50 (0.15) @75 (4.7)	0.72 (0.22) @90 (5.7)	1.28 (0.39) @120 (7.6)	2.00 (0.61) @150 (9.5)	2.88 (0.88) @180 (11.4)
SGHH-325							
SGHH-33	0.20 (0.06) @70 (4.4)	0.35 (0.11) @92 (5.8)	0.55 (0.17) @115 (7.3)	0.80 (0.24) @138 (8.7)	1.42 (0.43) @185 (11.7)	2.20 (0.67) @230 (14.5)	3.15 (0.96) @276 (17.4)
SGHH-43							
SGHH-44	0.17 (0.05) @118 (7.4)	0.29 (0.09) @155 (9.8)	0.47 (0.14) @198 (12.5)	0.68 (0.21) @238 (15.0)	1.20 (0.37) @315 (19.9)	1.90 (0.58) @396 (25.0)	2.75 (0.84) @475 (30.0)
SGHH-54							
SGHH-64							
SGHH-55	0.23 (0.07) @187 (11.8)	0.41 (0.13) @250 (15.8)	0.67 (0.20) @315 (19.9)	0.95 (0.29) @375 (23.7)	1.70 (0.52) @500 (31.5)	2.65 (0.81) @625 (39.4)	3.80 (1.16) @750 (47.3)
SGHH-65							
SGHH-66	0.22 (0.07) @270 (17.0)	0.38 (0.12) @360 (22.7)	0.60 (0.18) @450 (28.4)	0.86 (0.26) @540 (34.1)	1.54 (0.47) @720 (45.4)	2.40 (0.73) @900 (56.8)	3.45 (1.05) @1080 (68.1)
SGHH-86							
SGHH-88	0.21 (0.06) @470 (29.7)	0.37 (0.11) @625 (39.4)	0.58 (0.18) @780 (49.2)	0.85 (0.26) @940 (59.3)	1.50 (0.46) @1250 (78.9)	2.30 (0.70) @1550 (97.8)	3.35 (1.02) @1870 (118.0)
SGHH-108							
SGHH-1010	0.26 (0.08) @740 (46.7)	0.46 (0.14) @980 (61.8)	0.73 (0.22) @1230 (77.6)	1.03 (0.31) @1480 (93.4)	1.85 (0.56) @1960 (123.7)	2.92 (0.89) @2450 (154.6)	4.20 (1.28) @2940 (185.5)
SGHH-1210							
SGHH-1212	@0.25 (0.08)	0.44 (0.13)	0.72 (0.22)	1.02 (0.31)	1.81 (0.55)	2.80 (0.85)	4.00 (1.22)
SGHH-1412	@1080 (68.1)	@1400 (88.3)	@1750 (110.4)	@2100 (132.5)	@2800 (176.7)	@3500 (220.8)	@4200 (265.0)



Companion flanges not included.

DIMENSIONAL DATA SGHH														
MODEL	CONNECTION SIZE		STRAINER FREE AREA in ² (cm ²)	DIMENSIONS IN INCHES (MM)										WEIGHT lbs (kg)
	SYSTEM	PUMP		A	B	C	D	E	F	G	H	I	J	
SGHH-2515	2.5(64)	1.5(38)	45.6(298)	6.00 (152)	4.13 (105)	6.00 (152)	10.30 (263)	7.60 (193)	0.50 (13)	5.50 (140)	1.00 (25)	7.50 (191)	5.10 (128)	35.9 (16.3)
SGHH-22	2 (50)	2 (50)	34 (222)	5.00 (127)	3.07 (78)	5.00 (127)	9.00 (229)	6.21 (158)	0.50 (13)	4.75 (121)	1.00 (25)	6.50 (165)	6.50 (165)	33 (15.0)
SGHH-252	2.5 (63)	2 (50)	34 (222)	5.50 (140)	3.07 (78)	5.00 (127)	9.00 (229)	6.21 (158)	0.50 (13)	4.75 (121)	1.00 (25)	7.50 (191)	6.50 (165)	36 (16.3)
SGHH-32	3 (75)	2 (50)	34 (222)	6.00 (152)	3.07 (78)	5.00 (127)	9.00 (229)	6.21 (158)	0.50 (13)	4.75 (121)	1.00 (25)	8.25 (210)	6.50 (165)	40 (18.1)
SGHH-42	4 (102)	2 (51)	82 (535)	6.960 (177)	4.70 (119)	6.96 (177)	12.04 (306)	8.59 (218)	0.50 (13)	7.00 (178)	1.00 (25)	10.00 (254)	6.50 (165)	66.19 (30)
SGHH-2525	2.5 (63)	2.5 (63)	34 (222)	5.50 (140)	3.07 (78)	5.50 (140)	9.25 (235)	6.46 (164)	0.50 (13)	4.75 (121)	1.00 (25)	7.50 (191)	7.50 (191)	38 (17.2)
SGHH-325	3 (75)	2.5 (63)	34 (222)	6.00 (152)	3.07 (78)	5.50 (140)	9.25 (235)	6.46 (164)	0.50 (13)	4.75 (121)	1.00 (25)	8.25 (210)	7.50 (191)	43 (19.5)
SGHH-425	4 (102)	2.5 (64)	82 (535)	6.96 (177)	4.70 (119)	6.96 (177)	12.04 (306)	8.59 (218)	0.50 (13)	7.00 (178)	1.00 (25)	10.00 (254)	7.50 (191)	69.86 (31)
SGHH-33	3 (75)	3 (75)	44 (282)	6.00 (152)	3.63 (92)	6.00 (152)	10.50 (267)	7.60 (193)	0.75 (19)	5.50 (140)	1.00 (25)	8.25 (210)	8.25 (210)	54 (24.5)
SGHH-43	4 (100)	3 (75)	44 (282)	7.00 (178)	3.63 (92)	7.00 (178)	11.50 (292)	8.60 (218)	0.75 (19)	5.50 (140)	1.00 (25)	10.00 (254)	8.25 (210)	64 (29.0)
SGHH-63	6 (152)	3 (76)	158 (1012)	7.96 (202)	6.21 (158)	9.46 (240)	15.94 (405)	11.65 (296)	0.75 (19)	9.25 (235)	1.00 (25)	12.50 (318)	8.25 (210)	105.15 (47)
SGHH-44	4 (100)	4 (100)	79 (511)	7.00 (178)	4.19 (106)	7.00 (178)	12.25 (311)	8.63 (219)	0.75 (19)	7.00 (178)	1.25 (32)	10.00 (254)	10.00 (254)	91 (41.3)
SGHH-54	5 (125)	4 (100)	79 (511)	8.00 (203)	4.19 (106)	8.00 (203)	13.25 (337)	9.63 (245)	0.75 (19)	7.00 (178)	1.25 (32)	11.00 (279)	10.00 (254)	98 (44.4)
SGHH-64	6 (150)	4 (100)	79 (511)	8.50 (216)	4.19 (106)	9.00 (229)	14.25 (362)	10.63 (219)	0.75 (19)	7.00 (178)	1.25 (32)	12.50 (318)	10.00 (254)	118 (53.5)
SGHH-55	5 (125)	5 (125)	111 (719)	7.97 (202)	4.81 (122)	7.97 (202)	14.00 (356)	9.97 (253)	1.00 (25)	8.00 (203)	1.25 (32)	11.00 (279)	11.00 (279)	119 (54.0)
SGHH-65	6 (150)	5 (125)	111 (719)	8.50 (216)	4.81 (122)	8.97 (228)	15.00 (381)	10.97 (279)	1.00 (25)	8.00 (203)	1.25 (32)	12.50 (318)	11.00 (279)	135 (61.2)
SGHH-66	6 (150)	6 (150)	120 (775)	8.50 (216)	5.71 (145)	9.50 (241)	16.25 (413)	11.69 (297)	1.00 (25)	9.25 (235)	2.00 (51)	12.50 (318)	12.50 (318)	165 (74.8)
SGHH-86	8 (200)	6 (150)	120 (775)	10.00 (254)	5.71 (145)	11.50 (292)	18.25 (464)	14.69 (373)	1.00 (25)	9.25 (235)	2.00 (51)	15.00 (381)	12.50 (318)	192 (87.1)
SGHH-88	8 (200)	8 (200)	273 (1760)	10.00 (254)	7.00 (178)	11.85 (301)	21.50 (546)	14.99 (381)	1.00 (25)	12.25 (311)	2.00 (51)	15.00 (381)	15.00 (381)	268 (121.5)
SGHH-108	10 (250)	8 (200)	273 (1760)	11.53 (293)	7.00 (178)	14.35 (364)	24.00 (610)	17.49 (444)	1.00 (25)	12.25 (311)	2.00 (51)	17.50 (445)	15.00 (381)	317 (143.8)
SGHH-1010	10 (250)	10 (250)	538 (3474)	11.50 (292)	8.13 (207)	14.29 (363)	24.75 (629)	18.35 (466)	1.00 (25)	15.00 (381)	2.00 (51)	17.50 (445)	17.50 (445)	412 (186.8)
SGHH-1210	12 (300)	10 (250)	538 (3474)	13.75 (349)	8.13 (207)	17.29 (439)	27.75 (705)	21.35 (542)	1.00 (25)	15.00 (381)	2.00 (51)	20.50 (521)	17.50 (445)	482 (218.6)
SGHH-1212	12 (300)	12 (300)	753 (4861)	16.00 (406)	10.76 (273)	15.79 (401)	29.25 (743)	22.06 (560)	1.00 (25)	19.00 (483)	2.00 (51)	20.50 (521)	20.50 (521)	731 (331.5)
SGHH-1412	14 (350)	12 (300)	753 (4861)	17.00 (432)	10.76 (273)	15.79 (401)	29.25 (743)	22.06 (560)	1.00 (25)	19.00 (483)	2.00 (51)	23.00 (584)	20.50 (521)	778 (352.8)

Dimensions and weights are for reference only. Dimensions are inches (mm) and weights are lbs (kg).

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