

MODEL SGHH SUCTION GUIDES | SUBMITTAL

File No: 35-521
 Date: FEBRUARY 08, 2024
 Supersedes: 35-521
 Date: JULY 30, 2019

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: ¼" NPT - plugged

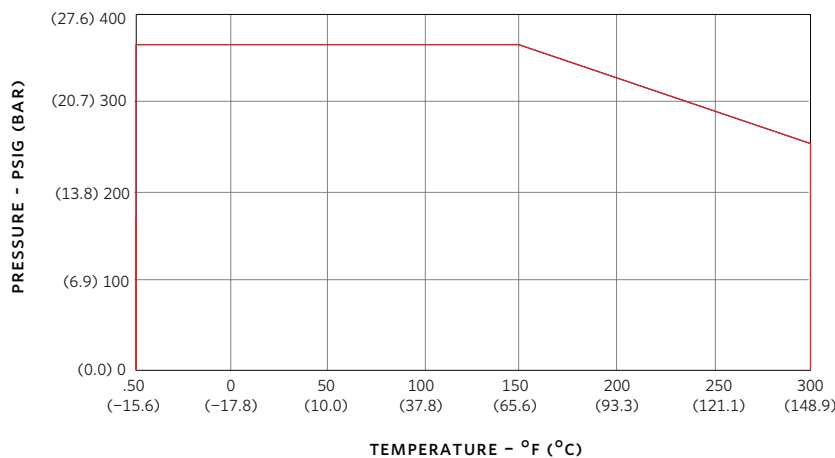
* SGHH-2515, SGHH-42, SGHH-425 and SGHH-63 have 0.188" holes in strainer

MAXIMUM PUMP OPERATING CONDITIONS

Maximum pressure: 375 PSI
Maximum temperature: 300°F

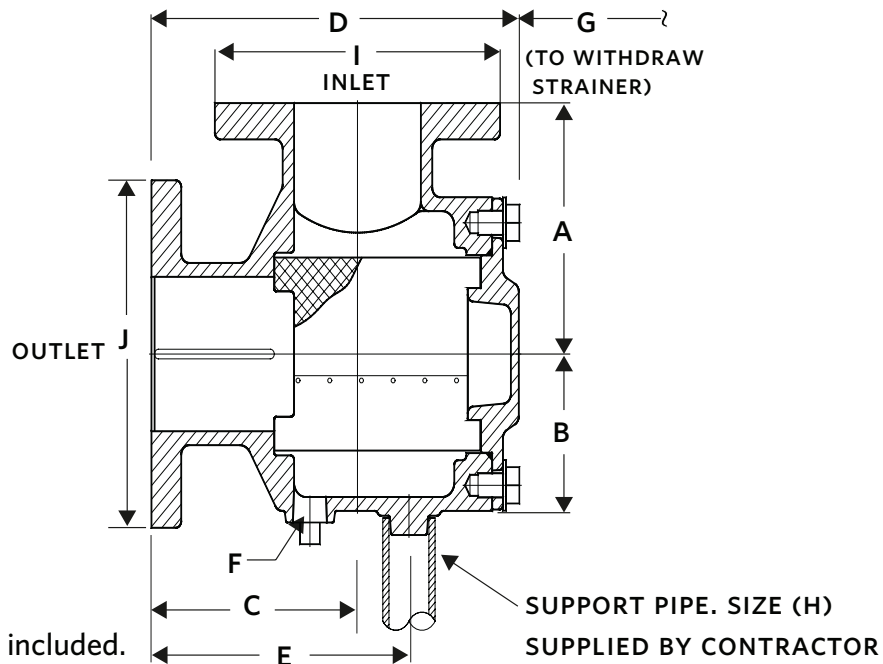
OPTIONS

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							
SGHH-325	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-2515							
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-42							
SGHH-425							
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							
SGHH-65	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-63							
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-85							
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							
SGHH-1210	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-1212							
SGHH-1412	@0.25 (0.08) @1080 (68.1)	0.44 (0.13) @1400 (88.3)	0.72 (0.22) @1750 (110.4)	1.02 (0.31) @2100 (132.5)	1.81 (0.55) @2800 (176.7)	2.80 (0.85) @3500 (220.8)	4.00 (1.22) @4200 (265.0)



DIMENSIONAL DATA SGHH																
MODEL NUMBER	PART NUMBER	RATING	INLET	OUTLET	STRAINER FREE AREA in ² (cm ²)	DIMENSIONS in inches (mm)										WEIGHT lbs (kg)
						A	B	C	D	E	F	G	ØH	ØI	ØJ	
SGHH-2515	516860-234	ANSI 250	2.50 (64)	1.50 (38)	44.83 (289)	6.00 (152)	3.63 (92)	6.00 (152)	10.34 (263)	7.60 (193)	0.75 (19)	5.50 (140)	0.95 (24)	7.28 (185)	5.98 (152)	28.24 (12.8)
SGHH-22	516860-214	ANSI 250	2.00 (51)	2.00 (51)	31.79 (205)	5.00 (127)	3.07 (78)	5.00 (127)	8.85 (225)	6.21 (158)	0.50 (13)	4.75 (121)	0.95 (24)	6.50 (165)	6.50 (165)	33.00 (15.0)
SGHH-252	516860-215	ANSI 250	2.50 (64)	2.00 (51)	31.79 (205)	5.50 (140)	3.06 (78)	5.00 (127)	8.85 (225)	6.21 (158)	0.50 (13)	4.75 (121)	0.95 (24)	7.50 (191)	6.50 (165)	36.00 (16.3)
SGHH-32	516860-216	ANSI 250	3.00 (77)	2.00 (51)	31.79 (205)	6.00 (152)	3.07 (78)	5.00 (127)	8.85 (225)	6.21 (158)	0.50 (13)	4.75 (121)	0.95 (24)	8.25 (210)	6.50 (165)	40.00 (18.2)
SGHH-42	516860-235	ANSI 250	4.00 (102)	2.00 (51)	74.91 (483)	6.96 (177)	4.20 (107)	6.96 (177)	12.04 (306)	8.59 (218)	0.75 (19)	7.00 (178)	1.13 (29)	10.04 (255)	6.30 (160)	52.52 (23.8)
SGHH-2525	516860-217	ANSI 250	2.50 (64)	2.50 (64)	31.79 (205)	5.50 (140)	3.06 (78)	5.50 (140)	9.10 (231)	6.46 (164)	0.50 (13)	4.75 (121)	0.94 (24)	7.50 (191)	7.50 (191)	38.00 (17.2)
SGHH-325	516860-218	ANSI 250	3.00 (77)	2.50 (64)	31.79 (205)	6.00 (152)	3.06 (78)	5.50 (140)	9.10 (231)	6.46 (164)	0.50 (13)	4.75 (121)	0.94 (24)	8.25 (210)	7.50 (191)	43.00 (19.5)
SGHH-425	516860-236	ANSI 250	4.00 (102)	2.50 (64)	74.91 (483)	6.96 (177)	4.20 (107)	6.96 (177)	12.04 (306)	8.59 (218)	0.75 (19)	7.00 (178)	1.13 (29)	10.04 (255)	7.28 (185)	64.85 (29.4)
SGHH-33	516860-219	ANSI 250	3.00 (77)	3.00 (77)	44.79 (289)	6.00 (152)	3.63 (92)	6.00 (152)	10.34 (263)	7.60 (193)	0.75 (19)	5.50 (140)	0.94 (24)	8.25 (210)	8.25 (210)	54.00 (24.5)
SGHH-43	516860-220	ANSI 250	4.00 (102)	3.00 (77)	44.79 (289)	7.00 (178)	3.63 (92)	7.00 (178)	11.34 (288)	8.60 (218)	0.75 (19)	5.50 (140)	0.94 (24)	10.00 (254)	8.25 (210)	63.00 (28.6)
SGHH-63	516860-237	ANSI 250	6.00 (152)	3.00 (77)	138.77 (895)	8.52 (216)	5.71 (145)	9.46 (240)	15.94 (405)	11.65 (296)	1.00 (25)	9.25 (235)	1.75 (44)	12.21 (310)	8.19 (208)	131.14 (59.5)
SGHH-44	516860-221	ANSI 250	4.00 (102)	4.00 (102)	74.91 (483)	7.00 (178)	4.20 (107)	7.00 (178)	12.09 (307)	8.63 (219)	0.75 (19)	7.00 (178)	1.13 (29)	10.00 (254)	10.00 (254)	91.00 (41.3)
SGHH-54	516860-222	ANSI 250	5.00 (127)	4.00 (102)	74.91 (483)	8.00 (203)	4.20 (107)	8.00 (203)	13.09 (332)	9.63 (245)	0.75 (19)	7.00 (178)	1.13 (29)	11.00 (279)	10.00 (254)	98.00 (44.4)
SGHH-64	516860-223	ANSI 250	6.00 (152)	4.00 (102)	74.91 (483)	8.50 (216)	4.20 (107)	9.00 (229)	14.09 (358)	10.63 (270)	0.75 (19)	7.00 (178)	1.13 (29)	12.50 (318)	10.00 (254)	118.00 (53.5)
SGHH-55	516860-224	ANSI 250	5.00 (127)	5.00 (127)	102.84 (663)	7.97 (202)	4.81 (122)	7.97 (202)	13.73 (349)	9.97 (253)	1.00 (25)	8.00 (203)	1.13 (29)	11.00 (279)	11.00 (279)	119.00 (54.0)
SGHH-65	516860-225	ANSI 250	6.00 (152)	5.00 (127)	102.84 (663)	8.50 (216)	4.81 (122)	8.97 (228)	14.73 (374)	10.97 (279)	1.00 (25)	8.00 (203)	1.13 (29)	12.50 (318)	11.00 (279)	133.00 (60.3)
SGHH-66	516860-226	ANSI 250	6.00 (152)	6.00 (152)	138.77 (895)	8.56 (217)	5.71 (145)	9.50 (241)	15.98 (406)	11.69 (297)	1.00 (25)	9.25 (235)	1.75 (44)	12.50 (318)	12.50 (318)	165.00 (74.8)
SGHH-86	516860-227	ANSI 250	8.00 (203)	6.00 (152)	138.77 (895)	10.00 (254)	5.71 (145)	11.50 (292)	17.98 (457)	13.69 (348)	1.00 (25)	9.25 (235)	1.75 (44)	15.00 (381)	12.50 (318)	192.00 (87.1)
SGHH-85	516880-262	ANSI 250	8.00 (203)	5.00 (127)	256.23 (1653)	10.00 (254)	6.99 (178)	11.87 (301)	20.21 (513)	13.43 (341)	1.00 (25)	12.25 (311)	1.75 (44)	15.00 (381)	10.98 (279)	213.00 (96.6)
SGHH-88	516860-228	ANSI 250	8.00 (203)	8.00 (203)	256.23 (1653)	10.00 (254)	6.99 (178)	11.87 (301)	20.21 (513)	15.02 (382)	1.00 (25)	12.25 (311)	1.75 (44)	15.00 (381)	15.00 (381)	263.00 (119.3)
SGHH-108	516860-229	ANSI 250	10.00 (254)	8.00 (203)	256.23 (1653)	11.53 (293)	6.99 (178)	14.37 (365)	22.71 (577)	17.52 (445)	1.00 (25)	12.25 (311)	1.75 (44)	17.50 (445)	15.00 (381)	306.00 (138.8)
SGHH-1010	516860-230	ANSI 250	10.00 (254)	10.00 (254)	384.01 (2477)	11.50 (292)	8.13 (207)	14.29 (363)	24.54 (623)	18.35 (466)	1.00 (25)	15.00 (381)	1.75 (44)	17.50 (445)	17.50 (445)	412.00 (186.8)
SGHH-1210	516860-231	ANSI 250	12.00 (305)	10.00 (254)	384.01 (2477)	13.75 (349)	8.13 (207)	17.29 (439)	27.54 (700)	21.35 (542)	1.00 (25)	15.00 (381)	1.75 (44)	20.50 (521)	17.50 (445)	482.00 (218.6)
SGHH-1212	516860-232	ANSI 250	12.00 (305)	12.00 (305)	668.51 (4313)	16.00 (406)	10.76 (273)	15.79 (401)	29.08 (739)	22.06 (560)	1.00 (25)	19.00 (483)	1.75 (44)	20.50 (521)	20.50 (521)	731.00 (331.6)
SGHH-1412	516860-233	ANSI 250	14.00 (356)	12.00 (305)	668.51 (4313)	17.00 (432)	10.76 (273)	15.79 (401)	29.08 (739)	22.06 (560)	1.00 (25)	19.00 (483)	1.75 (44)	23.00 (584)	20.50 (521)	778.00 (352.9)

- Dimensions and weights are for reference only. Dimensions are inches (mm) and weights are lbs (kg).
- Tolerance of ±0.125" (±3 mm) should be used
- For exact installation data, please write factory for certified dimensions

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