

MODEL SGHH SUCTION GUIDES | SUBMITTAL

File No: 35-521
 Date: AUGUST 12, 2024
 Supersedes: 35-521
 Date: FEBRUARY 08, 2024

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

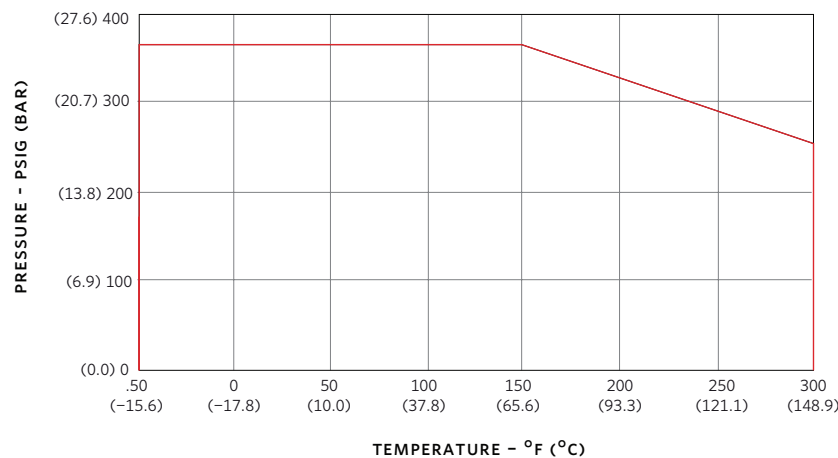
* SGHH-2515, SGHH-42, SGHH-425 and SGHH-63 have 0.188" holes in strainer

MAXIMUM PUMP OPERATING CONDITIONS

Maximum pressure: 375 PSI
Maximum temperature: 300°F

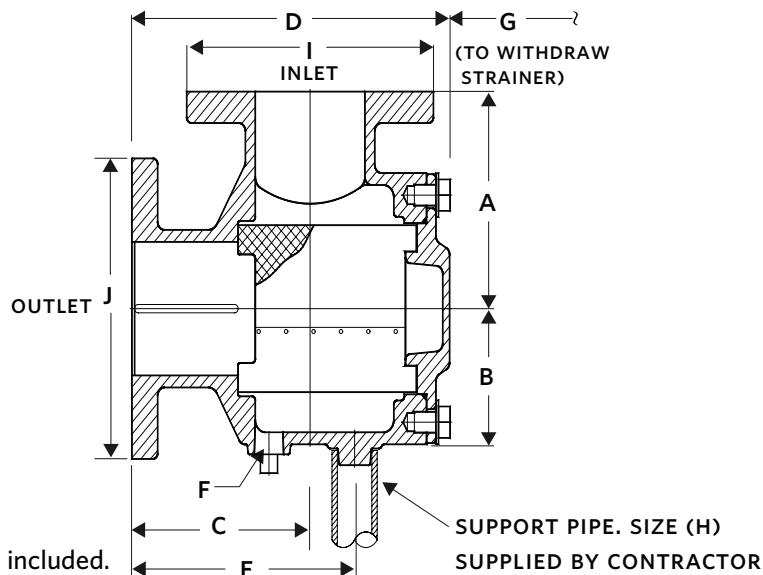
OPTIONS

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-84							
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	@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)
SGHH-1412							



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-84	516880-260	ANSI 250	8.00 (203)	4.00 (102)	256.23 (1652)	10.00 (254)	6.99 (178)	11.87 (301)	20.21 (513)	15.02 (381)	1.00 (25)	12.25 (311)	1.75 (44)	15.00 (381)	10.00 (254)	205.70 (93.3)
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)	15.02 (381)	1.00 (25)	12.25 (311)	1.75 (44)	15.00 (381)	11.00 (279)	213.85 (97.0)
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

TORONTO

23 BERTRAND AVENUE,
TORONTO, ONTARIO,
CANADA, M1L 2P3
+1 416 755 2291

BUFFALO

93 EAST AVENUE, NORTH
TONAWANDA, NEW YORK,
U.S.A., 14120-6594
+1 716 693 8813

DROITWICH SPA

POINTON WAY, STONEBRIDGE CROSS
BUSINESS PARK, DROITWICH SPA,
WORCESTERSHIRE,
UNITED KINGDOM, WR9 0LW
+44 121 550 5333

MANCHESTER

WOLVERTON STREET, MANCHESTER
UNITED KINGDOM, M11 2ET
+44 161 223 2223

BANGALORE

#18, LEWIS WORKSPACE, 3RD FLOOR,
OFF MILLERS - NANDIDURGA ROAD,
JAYAMAHAL CBD, BENSON TOWN,
BANGALORE, INDIA 560 046
+91 80 4906 3555

SHANGHAI

UNIT 903, 888 NORTH SICHUAN RD.
HONGKOU DISTRICT, SHANGHAI
CHINA, 200085
+86 21 5237 0909

BEIJING

ROOM 1612, NANYIN BUILDING NO.2
NORTH EAST THRID RING ROAD
CHAOYANG DISTRICT, BEIJING,
CHINA 100027
+86 21 5237 0909

SÃO PAULO

RUA JOSÉ SEMIÃO RODRIGUES
AGOSTINHO, 1370 GALPÃO 6 EMBU
DAS ARTES, SAO PAULO, BRAZIL
+55 11 4785 1330

LYON

93 RUE DE LA VILLETTE
LYON, 69003 FRANCE
+33 4 20 10 26 21

DUBAI

JAFZA VIEW 19, OFFICE 402
P.O.BOX 18226 JAFZA,
DUBAI - UNITED ARAB EMIRATES
+971 4 887 6775

JIMBOLIA

STR CALEA MOTILOR NR. 2C
JIMBOLIA 305400, JUD.TIMIS
ROMANIA
+40 256 360 030

FRANKFURT

WESTERBACHSTRASSE 32,
D-61476 KRONBERG IM TAUNUS
GERMANY
+49 6173 999 77 55

ARMSTRONG FLUID TECHNOLOGY®
ESTABLISHED 1934

ARMSTRONGFLUIDTECHNOLOGY.COM