

SUCTION GUIDES MODEL SGHH | SUBMITTAL

File No: 35.521IEC
 Date: APRIL 08, 2020
 Supersedes: 35.521IEC
 Date: DECEMBER 09, 2019

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

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

MATERIALS OF CONSTRUCTION

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

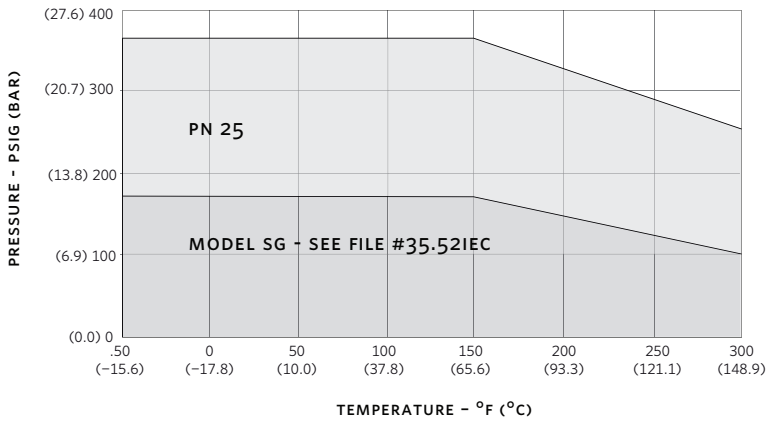
* SGHH-2515, SGHH-42, SGHH-425 and SGHH-63 have 0.188" holes in strainer

MAXIMUM PUMP OPERATING CONDITIONS

PN 25
 26 bar at 65°C (375 psig at 150°F)

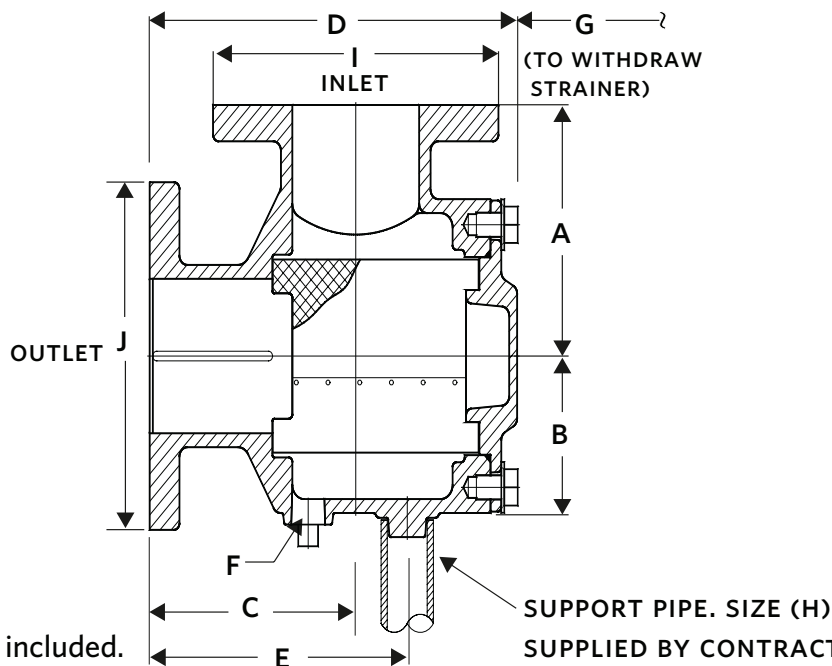
OPTIONS

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-33							
SGHH-43	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-44							
SGHH-54	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-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-66							
SGHH-86	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-88							
SGHH-108	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-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							



Companion flanges not included.

SUPPORT PIPE. SIZE (H)
SUPPLIED BY CONTRACTOR

DIMENSIONAL DATA SGHH																
MODEL NUMBER	PART NUMBER	RATING	INLET	OUTLET	STRAINER FREE AREA	DIMENSIONS in mm (inches)										WEIGHT
					cm ² (in ²)	A	B	C	D	E	F	G	ØH	ØI	ØJ	
SGHH-2515	516860-234	PN 25	64 (2.50)	38 (1.50)	289 (44.83)	152 (6.00)	92 (3.63)	152 (6.00)	263 (10.34)	193 (7.60)	19 (0.75)	140 (5.50)	24 (0.95)	185 (7.28)	152 (5.98)	12.8 (28.24)
SGHH-22	516860-214	PN 25	51 (2.00)	51 (2.00)	205 (31.79)	127 (5.00)	78 (3.07)	127 (5.00)	225 (8.85)	158 (6.21)	13 (0.50)	121 (4.75)	24 (0.95)	165 (6.50)	165 (6.50)	15.0 (33.00)
SGHH-252	516860-215	PN 25	64 (2.50)	51 (2.00)	205 (31.79)	140 (5.50)	78 (3.06)	127 (5.00)	225 (8.85)	158 (6.21)	13 (0.50)	121 (4.75)	24 (0.95)	191 (7.50)	165 (6.50)	16.3 (36.00)
SGHH-32	516860-216	PN 25	77 (3.00)	51 (2.00)	205 (31.79)	152 (6.00)	78 (3.07)	127 (5.00)	225 (8.85)	158 (6.21)	13 (0.50)	121 (4.75)	24 (0.95)	210 (8.25)	165 (6.50)	18.2 (40.00)
SGHH-42	516860-235	PN 25	102 (4.00)	51 (2.00)	483 (74.91)	177 (6.96)	107 (4.20)	177 (6.96)	306 (12.04)	218 (8.59)	19 (0.75)	178 (7.00)	29 (1.13)	255 (10.04)	160 (6.30)	23.8 (52.52)
SGHH-2525	516860-217	PN 25	64 (2.50)	64 (2.50)	205 (31.79)	140 (5.50)	78 (3.06)	140 (5.50)	231 (9.10)	164 (6.46)	13 (0.50)	121 (4.75)	24 (0.94)	191 (7.50)	191 (7.50)	17.2 (38.00)
SGHH-325	516860-218	PN 25	77 (3.00)	64 (2.50)	205 (31.79)	152 (6.00)	78 (3.06)	140 (5.50)	231 (9.10)	164 (6.46)	13 (0.50)	121 (4.75)	24 (0.94)	210 (8.25)	191 (7.50)	19.5 (43.00)
SGHH-425	516860-236	PN 25	102 (4.00)	64 (2.50)	483 (74.91)	177 (6.96)	107 (4.20)	177 (6.96)	306 (12.04)	218 (8.59)	19 (0.75)	178 (7.00)	29 (1.13)	255 (10.04)	185 (7.28)	29.4 (64.85)
SGHH-33	516860-219	PN 25	77 (3.00)	77 (3.00)	289 (44.83)	152 (6.00)	92 (3.63)	152 (6.00)	263 (10.34)	193 (7.60)	19 (0.75)	140 (5.50)	24 (0.94)	210 (8.25)	210 (8.25)	24.5 (54.00)
SGHH-43	516860-220	PN 25	102 (4.00)	77 (3.00)	289 (44.83)	178 (7.00)	92 (3.63)	178 (7.00)	288 (11.34)	218 (8.60)	19 (0.75)	140 (5.50)	24 (0.94)	254 (10.00)	210 (8.25)	28.6 (63.00)
SGHH-63	516860-237	PN 25	152 (6.00)	77 (3.00)	895 (138.77)	216 (8.52)	145 (5.71)	240 (9.46)	405 (15.94)	296 (11.65)	25 (1.00)	235 (9.25)	44 (1.75)	310 (12.21)	208 (8.19)	59.5 (131.14)
SGHH-44	516860-221	PN 25	102 (4.00)	102 (4.00)	483 (74.91)	178 (7.00)	107 (4.20)	178 (7.00)	307 (12.09)	219 (8.63)	19 (0.75)	178 (7.00)	29 (1.13)	254 (10.00)	254 (10.00)	41.3 (91.00)
SGHH-54	516860-222	PN 25	127 (5.00)	102 (4.00)	483 (74.91)	203 (8.00)	107 (4.20)	203 (8.00)	332 (13.09)	245 (9.63)	19 (0.75)	178 (7.00)	29 (1.13)	279 (11.00)	254 (10.00)	44.4 (98.00)
SGHH-64	516860-223	PN 25	152 (6.00)	102 (4.00)	483 (74.91)	216 (8.50)	107 (4.20)	229 (9.00)	358 (14.09)	270 (10.63)	19 (0.75)	178 (7.00)	29 (1.13)	318 (12.50)	254 (10.00)	53.5 (118.00)
SGHH-55	516860-224	PN 25	127 (5.00)	127 (5.00)	663 (102.84)	202 (7.97)	122 (4.81)	202 (7.97)	349 (13.73)	253 (9.97)	25 (1.00)	203 (8.00)	29 (1.13)	279 (11.00)	279 (11.00)	54.0 (119.0)
SGHH-65	516860-225	PN 25	152 (6.00)	127 (5.00)	663 (102.84)	216 (8.50)	122 (4.81)	228 (8.97)	374 (14.73)	279 (10.97)	25 (1.00)	203 (8.00)	29 (1.13)	318 (12.50)	279 (11.00)	60.3 (133.00)
SGHH-66	516860-226	PN 25	152 (6.00)	152 (6.00)	895 (138.77)	217 (8.56)	145 (5.71)	241 (9.50)	406 (15.98)	297 (11.69)	25 (1.00)	235 (9.25)	44 (1.75)	318 (12.50)	318 (12.50)	74.8 (165.00)
SGHH-86	516860-227	PN 25	203 (8.00)	152 (6.00)	895 (138.77)	254 (10.00)	145 (5.71)	292 (11.50)	457 (17.98)	348 (13.69)	25 (1.00)	235 (9.25)	44 (1.75)	381 (15.00)	318 (12.50)	87.1 (192.00)
SGHH-88	516860-228	PN 25	203 (8.00)	203 (8.00)	1653 (256.23)	254 (10.00)	178 (6.99)	301 (11.87)	513 (20.21)	382 (15.02)	25 (1.00)	311 (12.25)	44 (1.75)	381 (15.00)	381 (15.00)	119.3 (263.00)
SGHH-108	516860-229	PN 25	254 (10.00)	203 (8.00)	1653 (256.23)	293 (11.53)	178 (6.99)	356 (14.37)	577 (22.71)	445 (17.52)	25 (1.00)	311 (12.25)	44 (1.75)	445 (17.50)	381 (15.00)	138.8 (306.00)
SGHH-1010	516860-230	PN 25	254 (10.00)	254 (10.00)	2477 (384.01)	292 (11.50)	207 (8.13)	363 (14.29)	623 (24.54)	466 (18.35)	25 (1.00)	381 (15.00)	44 (1.75)	445 (17.50)	445 (17.50)	186.8 (412.00)
SGHH-1210	516860-231	PN 25	305 (12.00)	254 (10.00)	2477 (384.01)	349 (13.75)	207 (8.13)	439 (17.29)	700 (27.54)	542 (21.35)	25 (1.00)	381 (15.00)	44 (1.75)	521 (20.50)	445 (17.50)	218.6 (482.00)
SGHH-1212	516860-232	PN 25	305 (12.00)	305 (12.00)	4313 (668.51)	406 (16.00)	273 (10.76)	401 (15.79)	739 (29.08)	560 (22.06)	25 (1.00)	483 (19.00)	44 (1.75)	521 (20.50)	521 (20.50)	331.6 (731.00)
SGHH-1412	516860-233	PN 25	356 (14.00)	305 (12.00)	4313 (668.51)	432 (17.00)	273 (10.76)	401 (15.79)	739 (29.08)	560 (22.06)	25 (1.00)	483 (19.00)	44 (1.75)	584 (23.00)	521 (20.50)	352.9 (778.00)

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

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