

SUCTION GUIDES MODEL SGHH | SUBMITTAL

File No: 35,521IEC
 Date: FEBRUARY 08, 2024
 Supersedes: 35,521IEC
 Date: JANUARY 15, 2021

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

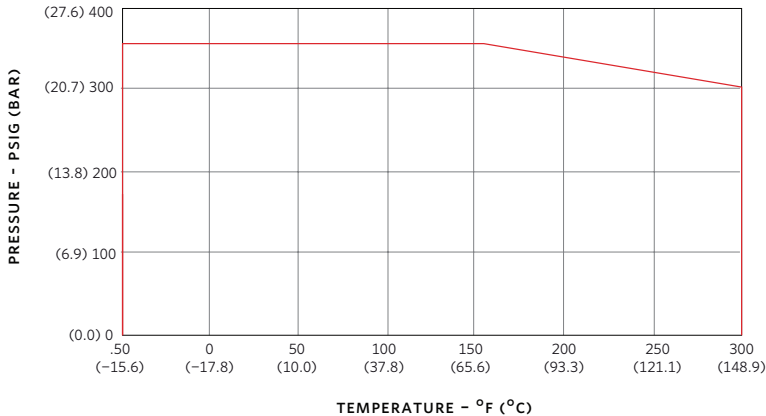
* SGHH-2515, SGHH-42, SGHH-425 and SGHH-63 have 0.188" holes in strainer

MAXIMUM PUMP OPERATING CONDITIONS

Maximum pressure: 26 BAR
Maximum temperature: 150°C

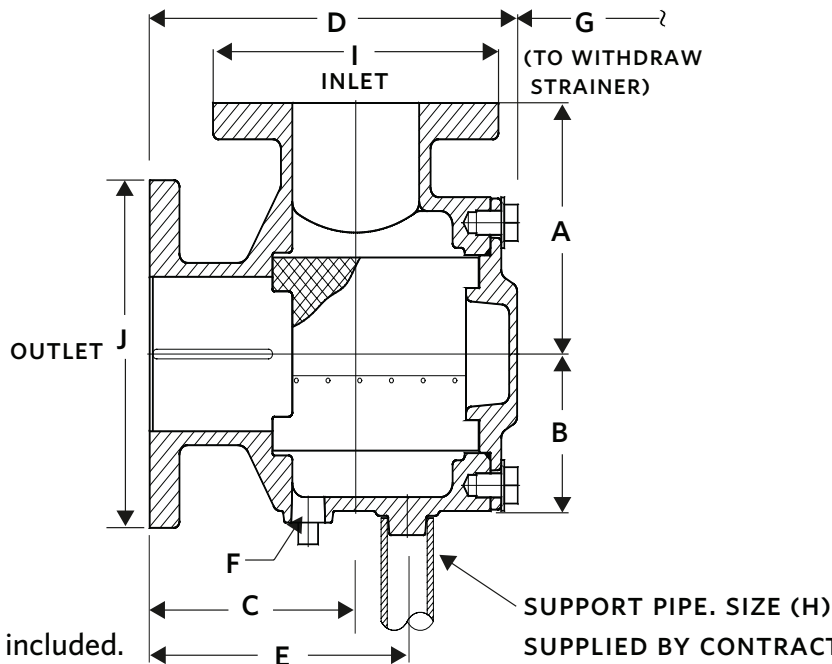
OPTIONS

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-2515	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-33							
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	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-63	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-66							
SGHH-86							
SGHH-85	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-88							
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) @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	516860-734	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	516860-714	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	516860-715	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	516860-716	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	516860-735	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	516860-717	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	516860-718	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	516860-736	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	516860-719	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	516860-720	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	516860-737	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	516860-721	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	516860-722	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	516860-723	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	516860-724	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	516860-725	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	516860-726	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	516860-727	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-85	516880-762	PN 25	203 (8.00)	127 (5.00)	1653 (256.23)	254 (10.00)	178 (6.99)	11.87 (301)	513 (20.21)	341 (13.43)	25 (1.00)	311 (12.25)	44 (1.75)	381 (15.00)	279 (11.00)	96.6 (213.00)
SGHH-88	516860-728	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	516860-729	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	516860-730	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	516860-731	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	516860-732	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	516860-733	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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