

SUCTION GUIDES MODEL SGHH | SUBMITTAL

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

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

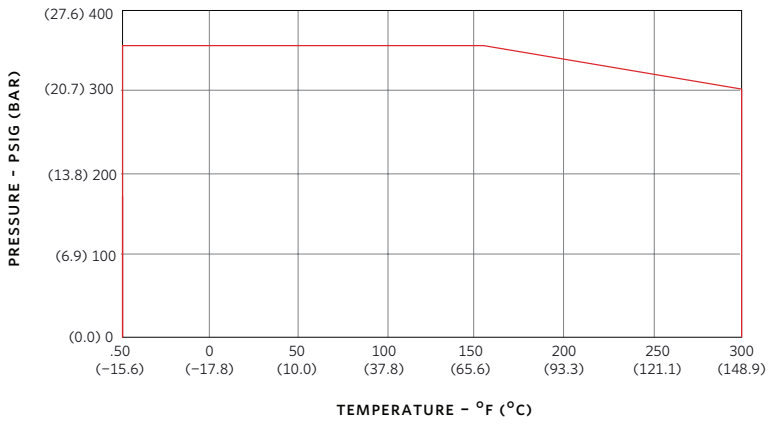
* SGHH-2515, SGHH-42, SGHH-425 and SGHH-63 have 0.188" holes in strainer

MAXIMUM PUMP OPERATING CONDITIONS

Maximum pressure: 26 BAR
Maximum temperature: 150°C

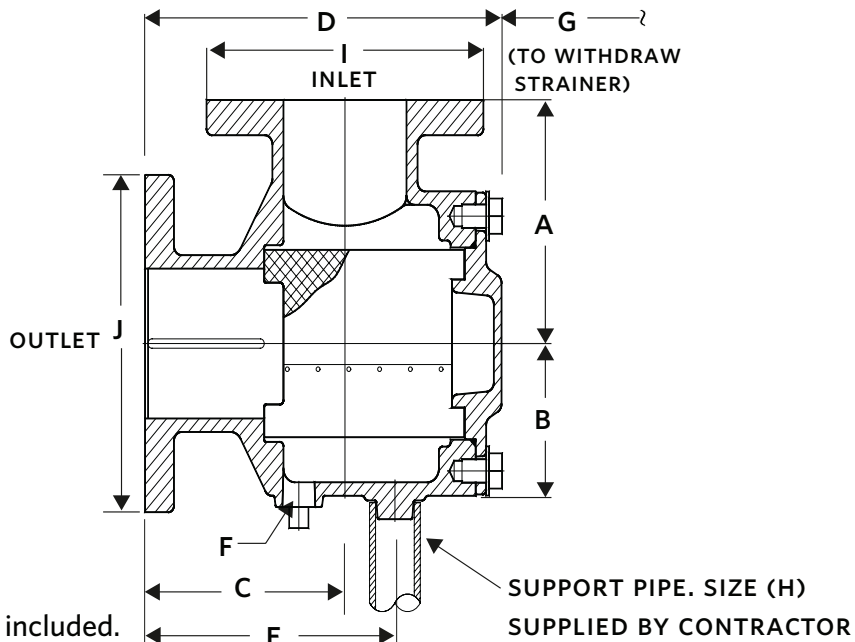
OPTIONS

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-84 | 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-85 | | | | | | | |
| 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 | | | | | | | |



DIMENSIONAL DATA SGHH

| MODEL NUMBER | PART NUMBER | RATING | INLET | OUTLET | STRAINER FREE AREA cm ² (in ²) | DIMENSIONS in mm (inches) | | | | | | | | | | WEIGHT kg (lbs) |
|--------------|-------------|--------|----------------|----------------|--|---------------------------|----------------|----------------|----------------|----------------|--------------|----------------|--------------|----------------|----------------|--------------------|
| | | | | | | 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-84 | 516880-760 | PN 25 | 203 (8.00) | 102 (4.00) | 1652 (256.23) | 254 (10.00) | 178 (6.99) | 301 (11.87) | 513 (20.21) | 381 (15.02) | 25 (1.00) | 311 (12.25) | 44 (1.75) | 381 (15.00) | 254 (10.00) | 92.8 (204.59) |
| 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) | 381 (15.02) | 25 (1.00) | 311 (12.25) | 44 (1.75) | 381 (15.00) | 279 (11.00) | 96.3 (212.31) |
| 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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