

## Forged Steel Strainer Series

### Application Standards

Design and manufacture: BS5352, MSS-SP-118

Socket welded dimension: ANSI B16.11, JB/T1751

Screw ends dimension: ANSI B1.20.1, JB/T7306

Butt-welded ends: ANSI B16.25, JB/T12224

Flanged ends: ANSI B16.5, JB79

Test and inspection: API 598, GB/T13927, JB/T9092

### Main Features

Bolted bonnet

Welded bonnet

Materials conform to ANSI/ASTM

### Temperature Pressure Rate of Carbon Steel

CL150-285 P.S.I @ 100°F

CL300-740 P.S.I @ 100°F

CL600-1480 P.S.I @ 100°F

CL800-1975 P.S.I @ 100°F

CL1500-3705 P.S.I @ 100°F

CL2500-6170 P.S.I @ 100°F

Please offer the mesh of strainer  
and please contract our sale  
department If you want to  
equip with plug.



### CL150-300-600

| (NPS) Specification    |             | R.P             | 1/4 | 3/8 | 1/2     | 3/4     | 1       | 1 1/4    | 1 1/2    | 2       |
|------------------------|-------------|-----------------|-----|-----|---------|---------|---------|----------|----------|---------|
| Face to face(mm)       | CL150       | L(RF)<br>L1(BW) | -   | -   | 108     | 117     | 127     | 140      | 165      | 203     |
|                        | CL300       |                 | -   | -   | 152     | 178     | 203     | 216      | 229      | 267     |
|                        | CL600       |                 | -   | -   | 165     | 190     | 216     | 229      | 241      | 292     |
| Handwheel diameter(mm) |             | W               | -   | -   | 100     | 100     | 125     | 160      | 160      | 180     |
| Height (mm)            | CL150/CL300 | H               | -   | -   | 340/350 | 340/350 | 360/375 | 380/400  | 450/470  | 540/570 |
|                        | CL600       | d               | -   | -   | 360     | 360     | 390     | 430      | 500      | 600     |
| Port Dimension(mm)     |             | d               | -   | -   | 9       | 13      | 17.5    | 23       | 30       | 35      |
| Weight(kg)             | CL150       | RF/BW           | -   | -   | 3.67/7  | 4.3/3.6 | 6.3/5.7 | 10.5/9.5 | 11.5/9.8 | 19.5/16 |
|                        | CL300       | RF/BW           | -   | -   | 4/3.2   | 4.8/4   | 7.3/6.7 | 13/11    | 14.5/12  | 22/18   |
|                        | CL600       | RF/BW           | -   | -   | 5.8/4.7 | 8.1/6   | 12.5/9  | 18/14    | 24.5/18  | 42/36   |

### CL150-300-600

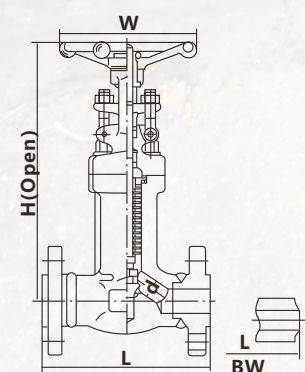
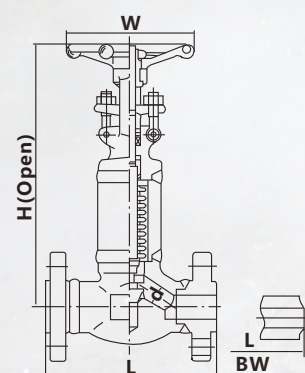
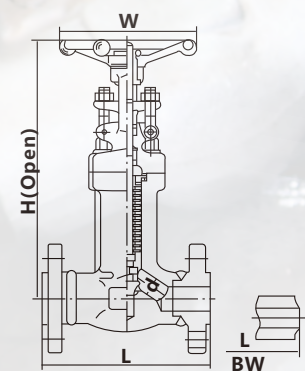
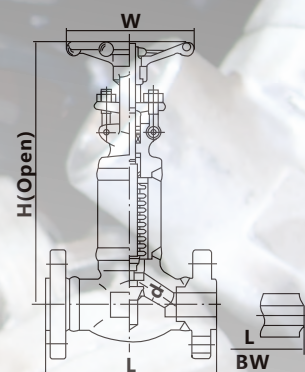
| (NPS) Specification    |             | R.P             | 1/4 | 3/8 | 1/2      | 3/4     | 1        | 1 1/4   | 1 1/2   | 2       |
|------------------------|-------------|-----------------|-----|-----|----------|---------|----------|---------|---------|---------|
| Face to face(mm)       | CL150       | L(RF)<br>L1(BW) | -   | -   | 108      | 117     | 127      | 140     | 165     | 203     |
|                        | CL300       |                 | -   | -   | 152      | 178     | 203      | 216     | 229     | 267     |
|                        | CL600       |                 | -   | -   | 165      | 190     | 216      | 229     | 241     | 292     |
| Handwheel diameter(mm) |             | W               | -   | -   | 100      | 100     | 125      | 160     | 160     | 180     |
| Height (mm)            | CL150/CL300 | H               | -   | -   | 340/350  | 340/350 | 360/375  | 380/400 | 450/470 | 540/570 |
|                        | CL600       | d               | -   | -   | 360      | 360     | 390      | 430     | 500     | 600     |
| Port Dimension(mm)     |             | d               | -   | -   | 9        | 13      | 17.5     | 23      | 30      | 35      |
| Weight(kg)             | CL150       | RF/BW           | -   | -   | 1.17/3.5 | 4.8/4.1 | 7.31/6.7 | 125/115 | 14/11.5 | 21.5/18 |
|                        | CL300       | RF/BW           | -   | -   | 4.5/3.7  | 5.2/4.5 | 8.3/7.7  | 145/125 | 16/13.5 | 24/20   |
|                        | CL600       | RF/BW           | -   | -   | 6.3/5.2  | 8.6/6.5 | 13.5/10  | 195/155 | 26/19.5 | 44/38   |

### CL1500

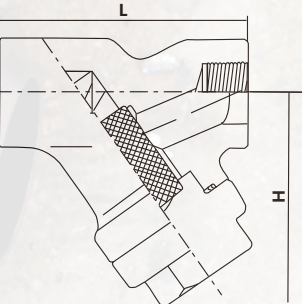
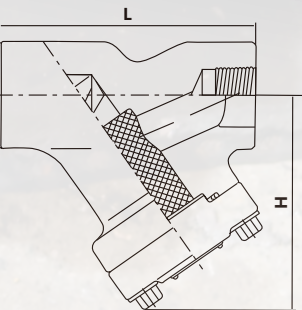
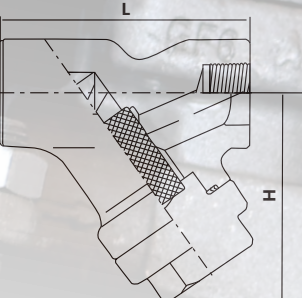
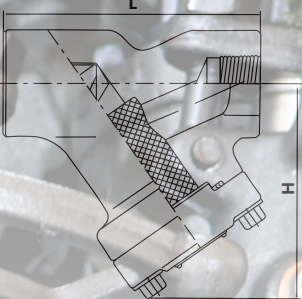
| (NPS) Specification    |        | R.P | 1/4 | 3/8 | 1/2  | 3/4  | 1    | 1 1/4 | 1 1/2 | 2    |
|------------------------|--------|-----|-----|-----|------|------|------|-------|-------|------|
| Face to face(mm)       | L(RF)  | -   | -   | -   | 216  | 229  | 254  | 279   | 305   | 368  |
|                        | L1(BW) | -   | -   | -   | 216  | 229  | 254  | 279   | 305   | 371  |
| Handwheel diameter(mm) |        | W   | -   | -   | 125  | 125  | 160  | 160   | 180   | 200  |
| Height (mm)            |        | H   | -   | -   | 380  | 380  | 400  | 450   | 520   | 650  |
| Port Dimension(mm)     |        | d   | -   | -   | 12   | 15   | 20   | 28    | 32    | 40   |
| Weight(kg)             |        |     | -   | -   | 11.1 | 11.8 | 14.1 | 16.5  | 23.8  | 37.5 |

### CL1500

| (NPS) Specification    |        | R.P | 1/4 | 3/8 | 1/2  | 3/4  | 1   | 1 1/4 | 1 1/2 | 2   |
|------------------------|--------|-----|-----|-----|------|------|-----|-------|-------|-----|
| Face to face(mm)       | L(RF)  | -   | -   | -   | 216  | 229  | 254 | 279   | 305   | 368 |
|                        | L1(BW) | -   | -   | -   | 216  | 229  | 254 | 279   | 305   | 371 |
| Handwheel diameter(mm) |        | W   | -   | -   | 125  | 125  | 160 | 160   | 180   | 200 |
| Height (mm)            |        | H   | -   | -   | 380  | 380  | 400 | 450   | 520   | 650 |
| Port Dimension(mm)     |        | d   | -   | -   | 12   | 15   | 20  | 28    | 32    | 40  |
| Weight(kg)             |        |     | -   | -   | 11.6 | 12.3 | 15  | 17.5  | 25    | 40  |







| NO. | Part Name     | A105/F6a                  | A105/F6aHFS               | LF2/304                   | F11/F6aHF                 | F304(L)/304(L)            | F316(L)/316(L)            | F51/F51                   |
|-----|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 1   | Body          | A105                      | A105                      | LF2                       | F11                       | F304(L)                   | F316(L)                   | F51                       |
| 5   | Gasket        | 304+<br>Flexible graphite | 304+<br>Flexible graphite | 304+<br>Flexible graphite | 304+<br>Flexible graphite | 304+<br>Flexible graphite | 304+<br>Flexible graphite | 304+<br>Flexible graphite |
| 6   | Bonnet        | A105                      | A105                      | LF2                       | F11                       | F304(L)                   | F316(L)                   | F51                       |
| 7   | Bolt          | B7                        | B7                        | L7                        | B16                       | B8(M)                     | B8(M)                     | B8M                       |
| 15  | Nameplate     | AL                        | AL                        | AL                        | AL                        | AL                        | AL                        | AL                        |
| 32  | Rivet         | H62                       | H62                       | H62                       | H62                       | H62                       | H62                       | H62                       |
| 40  | Filter screen | 304                       | 304                       | 304                       | 304                       | 304(L)                    | 316(L)                    | 316(L)                    |

CL800

| (NPS) Specification | R.P | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 2     | 2 1/2 | 3    |
|---------------------|-----|-----|-----|-----|-------|-------|-------|-------|------|
|                     | F.P | 1/4 | 3/8 | 1/2 | 3/4   | 1     | 1 1/4 | 1 1/2 | 2    |
| Face to face(mm)    | L   | 98  | 98  | 111 | 110   | 140   | 140   | 155   | 170  |
| Height (mm)         | H   | 70  | 70  | 70  | 100   | 110   | 120   | 120   | 150  |
| Port Dimension(mm)  | d   | 7   | 9   | 13  | 17.5  | 23    | 30    | 35    | 46   |
| Weight(kg)          |     | 2.2 | 2.2 | 2.1 | 4.2   | 8.9   | 8.9   | 10    | 18.6 |

CL800

| (NPS) Specification | R.P | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 2     | 2 1/2 | 3   |
|---------------------|-----|-----|-----|-----|-------|-------|-------|-------|-----|
|                     | F.P | 1/4 | 3/8 | 1/2 | 3/4   | 1     | 1 1/4 | 1 1/2 | 2   |
| Face to face(mm)    | L   | 79  | 79  | 92  | 100   | 140   | 140   | 155   | 170 |
| Height (mm)         | H   | 65  | 65  | 65  | 95    | 105   | 110   | 110   | 140 |
| Port Dimension(mm)  | d   | 7   | 9   | 13  | 17.5  | 23    | 30    | 35    | 46  |
| Weight(kg)          |     | 1.8 | 1.8 | 2.0 | 3.5   | 9     | 8.0   | 12    | 16  |

CL900-1500

| (NPS) Specification | F.P | 3/8 | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 2   |
|---------------------|-----|-----|-----|-----|-----|-------|-------|-----|
| Face to face(mm)    | L   | 98  | 111 | 111 | 140 | 140   | 155   | 170 |
| Height (mm)         | H   | 70  | 70  | 100 | 110 | 120   | 120   | 150 |
| Port Dimension(mm)  | d   | 9   | 12  | 15  | 20  | 28    | 32    | 40  |
| Weight(kg)          |     | 2.1 | 4.2 | 9   | 8.9 | 10    | 18.6  | 20  |

CL900-1500

| (NPS) Specification | F.P | 3/8 | 1/2 | 3/4 | 1   | 1 1/4 | 1 1/2 | 2   |
|---------------------|-----|-----|-----|-----|-----|-------|-------|-----|
| Face to face(mm)    | L   | 92  | 100 | 100 | 140 | 140   | 155   | 170 |
| Height (mm)         | H   | 65  | 65  | 95  | 105 | 110   | 110   | 140 |
| Port Dimension(mm)  | d   | 9   | 12  | 15  | 20  | 28    | 32    | 40  |
| Weight(kg)          |     | 2.0 | 3.5 | 8.0 | 8.0 | 12    | 16    | 18  |