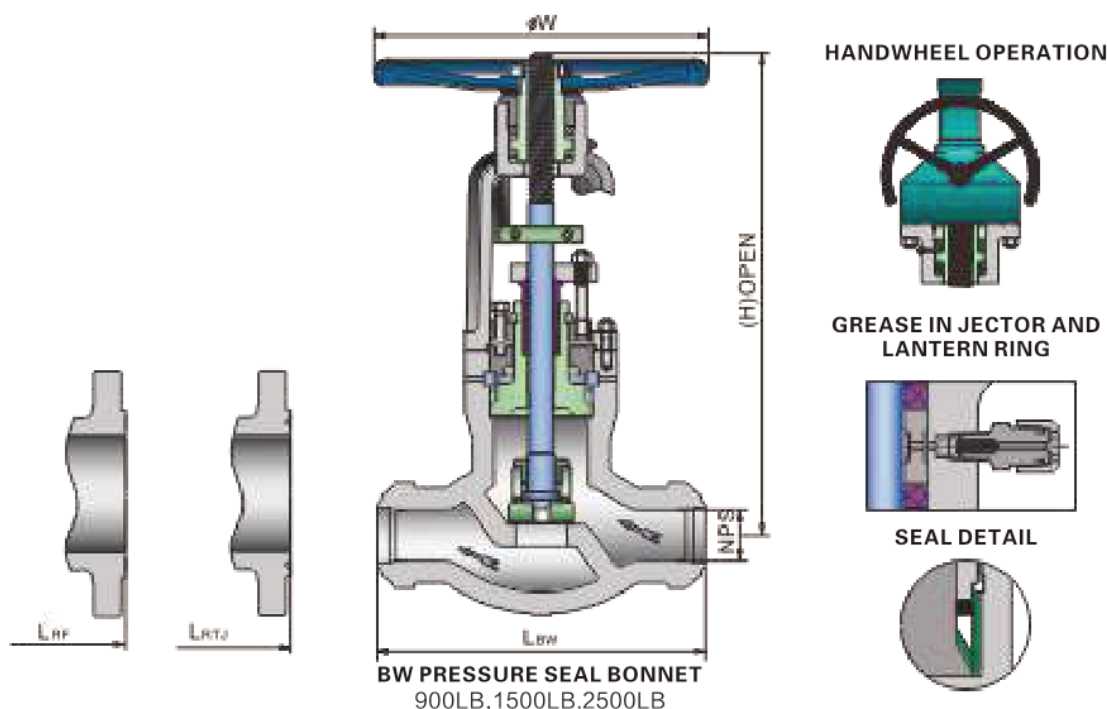


## CASTING STEEL PSB GLOBE VALVE



### Material List

| PART         | STANDARD MATERIALS      |                   |                       |                       |                   |                    |
|--------------|-------------------------|-------------------|-----------------------|-----------------------|-------------------|--------------------|
| BODY         | ASTM A216 WCB+STL       | ASTM A352 LCB+STL | ASTM A351 (CF3)       | ASTM A351 CF8M(CF3M)  | ASTM A995 4A      | ASTM A217 WC6      |
| DISC         | ASTM A105+STL           | ASTM A182 F6a+STL | ASTM A182 F304(L)+STL | ASTM A182 F316(L)+STL | ASTM A182 F51+STL | ASTM A182 F304+STL |
| STEM         | ASTM A182 F6a           | ASTM A182 F6a     | ASTM A182 F304(L)     | ASTM A182 F316(L)     | ASTM A182 F51     | ASTM A182 F304     |
| SEAL RING    | SS+GRAPHITE/SS304/SS316 |                   |                       |                       |                   |                    |
| STUFFING BOX | ASTM A105+STL           | ASTM A350 LF2+STL | ASTM A182 F304(L)     | ASTM A182 F316(L)     | ASTM A182 F51     | ASTM A182 F304     |
| BONNET       | ASTM A216 WCB           | ASTM A352 LCB     | ASTM A351 CF8(CF3)    | ASTM A351 CF8M(CF3M)  | ASTM A995 4A      | ASTM A217 WC6      |
| PACKING      | FLEXIBLE GRAPHITE       |                   |                       |                       |                   |                    |
| GLAND        | ASTM A276 410           | ASTM A276 410     | ASTM A276 304         | ASTM A276 316         | ASTM A276 316     | ASTM A276 410      |
| GLAND FLANGE | ASTM A105               | ASTM A105         | ASTM A182 F304        | ASTM A182 F304        | ASTM A182 F316    | ASTM A105          |
| EYEBOLT      | ASTM A193 B7            | ASTM A320 L7      | ASTM A193 B8(M)       | ASTM A193 B8(M)       | ASTM A193 B8M     | ASTM A193 B16      |
| NUT          | ASTM A194 2H            | ASTM A194 7       | ASTM A194 8(M)        | ASTM A194 8(M)        | ASTM A194 8M      | ASTM A194 4        |
| STEM NUT     | BRONZE                  | BRONZE            | BRONZE                | BRONZE                | BRONZE            | BRONZE             |

The material is according to ASTM Standard.

Model Denote:EFC=Elite Flow Control | 2=Size in inch | GE=GLOBE Valve | 9=900Lb

## CASTING STEEL PSB GLOBE VALVE

### Pressure Seal Bonnet ASME CLASS 900 Dimensions

| NPS<br>DN        | in<br>mm | 2<br>47 | 2 1/2<br>57 | 3<br>73 | 4<br>98 | 6*<br>146 | 8*<br>190 | 10*<br>238 | 12*<br>282 | 14*<br>311 | 16*<br>356 |
|------------------|----------|---------|-------------|---------|---------|-----------|-----------|------------|------------|------------|------------|
| L <sub>RF</sub>  | in       | 8.5     | 10          | 12      | 14      | 20        | 26        | 31         | 36         | 39         | 43         |
|                  | mm       | 216     | 254         | 305     | 356     | 508       | 660       | 787        | 914        | 991        | 1092       |
| L <sub>BW</sub>  | in       | 14.5    | 16.5        | 15      | 18      | 24        | 29        | 33         | 38         | 40.5       | 44.5       |
|                  | mm       | 368     | 419         | 381     | 457     | 610       | 737       | 838        | 965        | 1029       | 1130       |
| L <sub>RTJ</sub> | in       | 14.62   | 16.62       | 15.12   | 18.12   | 24.12     | 29.12     | 33.12      | 38.12      | 40.88      | 44.88      |
|                  | mm       | 371     | 422         | 384     | 460     | 613       | 740       | 841        | 968        | 1039       | 1140       |
| H<br>(Open)      | in       | 24.4    | 25.2        | 28.4    | 33.5    | 48.2      | 53.1      | 63         | 70.88      | 82.75      | 95         |
|                  | mm       | 619     | 641         | 721     | 850     | 1225      | 1350      | 1600       | 1800       | 2100       | 2410       |
| øW               | in       | 14      | 14          | 18      | 20      | 24        | 24        | 24         | 24         | 24         | 24         |
|                  | mm       | 350     | 350         | 450     | 500     | 600       | 600       | 600        | 600        | 600        | 600        |
| WT<br>(Kg)       | RF/RTJ   | 84      | 110         | 116     | 179     | 441       | 1070      | 1820       | 2450       | 3550       | 4200       |
|                  | BW       | 58      | 74          | 84      | 137     | 378       | 955       | 1610       | 2250       | 3250       | 3800       |

### Pressure Seal Bonnet ASME CLASS 1500 Dimensions

| NPS<br>DN        | in<br>mm | 2<br>47 | 2 1/2<br>57 | 3<br>70 | 4<br>92 | 6*<br>136 | 8*<br>178 | 10*<br>222 | 12*<br>263 | 14*<br>289 |
|------------------|----------|---------|-------------|---------|---------|-----------|-----------|------------|------------|------------|
| L <sub>RF</sub>  | in       | 8.5     | 10          | 12      | 16      | 22        | 28        | 34         | 39         | 42         |
|                  | mm       | 216     | 254         | 305     | 406     | 559       | 711       | 864        | 991        | 1067       |
| L <sub>BW</sub>  | in       | 14.5    | 16.5        | 18.5    | 21.5    | 27.75     | 32.75     | 39         | 44.5       | 49.5       |
|                  | mm       | 368     | 419         | 470     | 546     | 705       | 832       | 991        | 1130       | 1257       |
| L <sub>RTJ</sub> | in       | 14.62   | 16.62       | 18.62   | 21.62   | 28        | 33.13     | 39.38      | 45.12      | 50.25      |
|                  | mm       | 371     | 422         | 473     | 549     | 711       | 842       | 1001       | 1146       | 1276       |
| H<br>(Open)      | in       | 24.4    | 25.2        | 32.9    | 33.7    | 48.4      | 70.9      | 82.78      | 95         | 112        |
|                  | mm       | 619     | 641         | 835     | 857     | 1230      | 1800      | 2100       | 2411       | 2842       |
| øW               | in       | 14      | 14          | 20      | 22      | 24        | 24        | 24         | 24         | 24         |
|                  | mm       | 350     | 350         | 500     | 550     | 600       | 600       | 600        | 600        | 600        |
| WT<br>(Kg)       | RF/RTJ   | 84      | 116         | 145     | 236     | 918       | 1864      | 2820       | 3600       | 4500       |
|                  | BW       | 58      | 62          | 125     | 168     | 781       | 1602      | 2410       | 2970       | 3800       |

### Pressure Seal Bonnet ASME CLASS 2500 Dimensions

| NPS<br>DN        | in<br>mm | 2<br>38 | 2 1/2<br>47 | 3<br>57 | 4*<br>73 | 6*<br>111 | 8*<br>146 | 10*<br>184 | 12*<br>219 |
|------------------|----------|---------|-------------|---------|----------|-----------|-----------|------------|------------|
| L <sub>RF</sub>  | in       | 11      | 13          | 14.5    | 18       | 24        | 30        | 36         | 41         |
|                  | mm       | 279     | 330         | 368     | 457      | 610       | 762       | 914        | 1041       |
| L <sub>BW</sub>  | in       | 17.75   | 20          | 22.75   | 26.5     | 36        | 40.25     | 50         | 56         |
|                  | mm       | 451     | 508         | 578     | 673      | 914       | 1022      | 1270       | 1422       |
| L <sub>RTJ</sub> | in       | 17.87   | 20.25       | 23      | 26.88    | 36.5      | 40.87     | 50.88      | 56.88      |
|                  | mm       | 454     | 514         | 584     | 683      | 927       | 1038      | 1292       | 1444       |
| H<br>(Open)      | in       | 24.3    | 30.7        | 31.5    | 51.2     | 57.9      | 89        | 106        | 112        |
|                  | mm       | 616     | 781         | 800     | 1300     | 1470      | 2260      | 2690       | 2842       |
| øW               | in       | 16      | 20          | 22      | 24       | 24        | 24        | 24         | 24         |
|                  | mm       | 400     | 500         | 550     | 600      | 600       | 600       | 600        | 600        |
| WT<br>(Kg)       | RF/RTJ   | 105     | 160         | 221     | 525      | 1413      | 2710      | 3480       | 4400       |
|                  | BW       | 74      | 112         | 147     | 368      | 1053      | 2350      | 2800       | 3500       |

\*Manual gear operator is recommended.

The material is according to ASTM Standard.

Model Denote:EFC=Elite Flow Control | 2=Size in inch | GE=GLOBE Valve | 9=900Lb