

**Fig No: HPV-60 1/4"~ 2"**

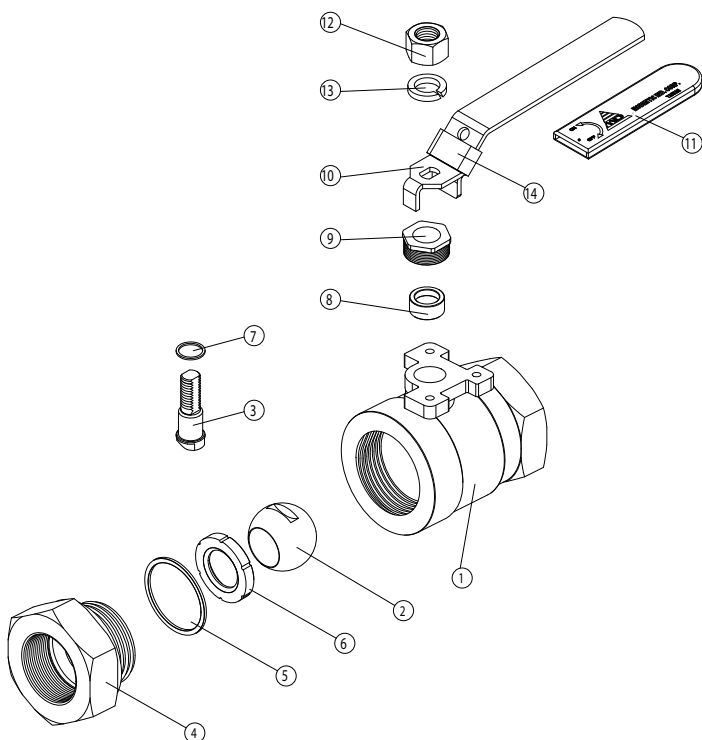
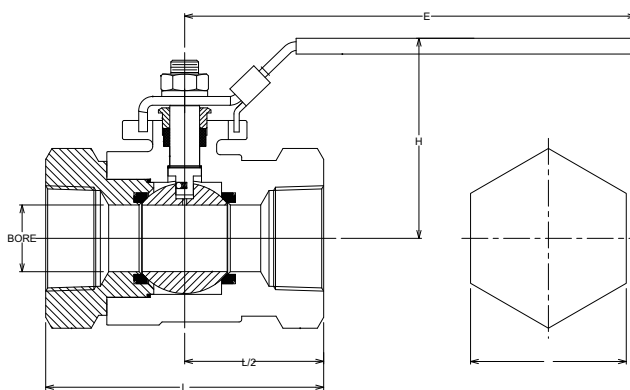
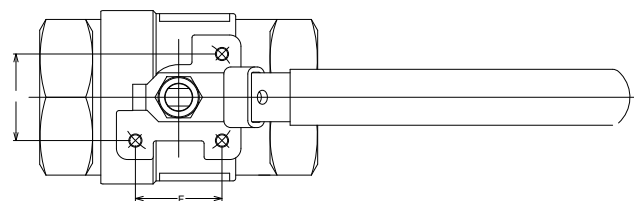


**Feature:**

1/4" ~ 1-1/2" Full Bore ; 2" Red. Bore  
 2 piece , Screwed Body , ISO 5211 Actuator Mounted design  
 Blow-out-proof design  
 Fire Safe design pre. API 607 or BS 6755 part 2  
 All seats are preloaded  
 Body : ASTM A351 Gr. CF8M  
 Ball : SS 316  
 Stem : SS 316 / SS 17-4 PH  
 Seat : Delrin / Peek  
 Working Pressure : 3000 Psi ( CWP )  
 Shell Testing by water : 4500 Psi  
 Low pressure by air : 80 ~ 100 Psi  
 Material Meet. to **NACE MR 0175**  
 Threaded Type: ANSI B1.20.1  
                   ISO 228 , ISO 7-1  
                   DIN 2999, BSP(BS21), PT  
 Option : 6000psi Red Bore.

**MATERIALS**

| NO. | PART'S NAME   | MATERIAL          |
|-----|---------------|-------------------|
| 1   | BODY          | ASTM A351 Gr.CF8M |
| 2   | BALL          | ASTM A351 Gr.CF8M |
| 3   | STEM          | SS316             |
| 4   | CAP           | ASTM A351 Gr.CF8M |
| 5   | BODY SEAL     | PTFE              |
| 6   | SEAT          | DELRIN            |
| 7   | THRUST WASHER | PTFE+15%GF        |
| 8   | STEM PACKING  | GRAPHITE          |
| 9   | GLAND NUT     | SS304             |
| 10  | LEVER         | SS304             |
| 11  | LEVER COVER   | PLASTIC           |
| 12  | NUT           | SS304             |
| 13  | SPRING WASHER | SS304             |
| 14  | LOCKING PAD   | SS304             |



**DIMENSIONS**

| SIZE | 1/4"        | 3/8"   | 1/2"   | 3/4"   | 1"        | 1-1/4" | 1-1/2"     | 2"     |
|------|-------------|--------|--------|--------|-----------|--------|------------|--------|
| BORE | 6.10        | 9.40   | 12.70  | 18.80  | 25.40     | 31.75  | 38.10      | 38.10  |
| L/2  | 37.85       | 37.85  | 49.78  | 53.85  | 56.90     | 60.45  | 66.80      | 78.99  |
| L    | 75.95       | 75.95  | 100.8  | 107.95 | 114.81    | 120.90 | 133.86     | 157.99 |
| H    | 55.88       | 55.88  | 55.88  | 68.83  | 88.90     | 124.97 | 113.79     | 113.79 |
| E    | 125.98      | 125.98 | 125.98 | 157.99 | 206.76    | 206.76 | 256.79     | 256.79 |
| F    | 25.40       | 25.40  | 25.40  | 29.97  | 35.31     | 35.31  | 49.28      | 49.28  |
| G    | 25.40       | 25.40  | 25.40  | 29.97  | 35.31     | 35.31  | 49.28      | 49.28  |
| W    | 30          | 31.75  | 31.75  | 45.97  | 57.15     | 69.85  | 76.20      | 76.2   |
|      | 60          |        |        |        |           |        | 88.90      | 88.90  |
| T    | No.12-24UNC |        |        |        | 1/4-20UNC |        | 5/16-18UNC |        |

(3000PSI) 1/4"~1-1/2" Full Port ,2" Reduce Port