

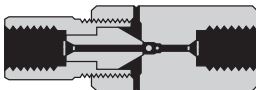


## High Pressure Equipment

### Fittings/Check Valves

We have developed check valves, elbows, tees and crosses for both the 100,000 and 150,000 psi systems.  
\*Material is high tensile 316 stainless steel. Standard tubing glands and collars are furnished unless otherwise specified.

\* **Note:** Material for 150,000 psi check valve is 17-4 PH.

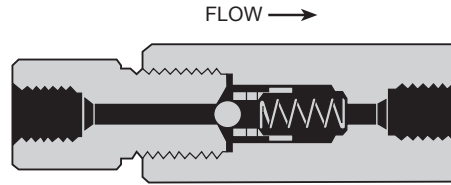


### Ultra High Pressure Check Valves

| Catalog No. | psi     | Connections         | Length                           | Hex    |
|-------------|---------|---------------------|----------------------------------|--------|
| 100-41XF4   | 100,000 | 1/4" ULTRA PRESSURE | 3 <sup>9</sup> / <sub>16</sub> " | 1 1/2" |
| 150-41XF6   | 150,000 | 3/8" ULTRA PRESSURE | 4 1/2"                           | 1 1/2" |

## Ball Check Valves

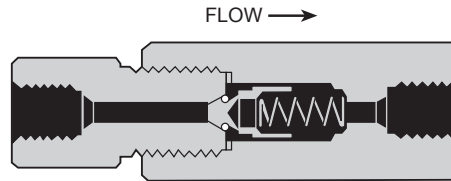
Ball type check valves insure flow in one direction only. Material for bodies, balls, and covers is high tensile 316 stainless steel. Standard tubing glands and sleeves are provided unless otherwise specified.



| Catalog No. | psi    | Connections                 | Length             | Hex |
|-------------|--------|-----------------------------|--------------------|-----|
| 15-41AF1    | 15,000 | $\frac{1}{16}$ " TAPER SEAL | 3 $\frac{1}{8}$ "  | 1"  |
| 15-41AF2    | 15,000 | $\frac{1}{8}$ " TAPER SEAL  | 3 $\frac{9}{16}$ " | 1"  |
| 10-41AF4    | 10,000 | $\frac{1}{4}$ " TAPER SEAL  | 3 $\frac{7}{8}$ "  | 1"  |
| 10-41AF6    | 10,000 | $\frac{3}{8}$ " TAPER SEAL  | 3 $\frac{7}{8}$ "  | 1"  |

## Soft Seat Check Valves

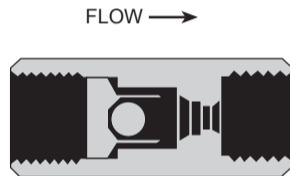
Soft seat check valves insure flow in one direction only and can be mounted in any position. These are highly reliable for both gas and liquid service. Standard O-ring (soft seat) material for the sealing surface is Buna-N (nitrile) with other materials including Teflon and Viton available on request. Temperature is limited by the choice of O-ring material. Material of all other parts is high tensile 316 stainless steel. Standard glands and sleeves are provided unless otherwise specified.



| Catalog No. | psi    | Connections                 | Length            | Hex |
|-------------|--------|-----------------------------|-------------------|-----|
| 15-41AF1-T  | 15,000 | $\frac{1}{16}$ " TAPER SEAL | 3 $\frac{1}{2}$ " | 1"  |
| 15-41AF2-T  | 15,000 | $\frac{1}{8}$ " TAPER SEAL  | 3 $\frac{1}{2}$ " | 1"  |
| 10-41AF4-T  | 10,000 | $\frac{1}{4}$ " TAPER SEAL  | 3 $\frac{7}{8}$ " | 1"  |
| 10-41AF6-T  | 10,000 | $\frac{3}{8}$ " TAPER SEAL  | 3 $\frac{7}{8}$ " | 1"  |

## Excess Surge Check Valves

Excess surge check valves are used to eliminate loss of pressure due to a sudden surge or opening of a pressure component in a pressurized system (such as a breakage of a gauge or test component). These check valves should be mounted in the vertical position. Only one basic size is available (60-41HF9-E) with adapters readily available to convert to other size connections. Standard tubing glands and collars are provided unless otherwise specified.



| Catalog No. | psi    | Connections                    | Length           | Hex              |
|-------------|--------|--------------------------------|------------------|------------------|
| 60-41HF9-E  | 60,000 | $\frac{9}{16}$ " HIGH PRESSURE | $3\frac{1}{8}$ " | $1\frac{1}{2}$ " |