



| | |
|---------------|------------------|
| JOB NAME: | CONTRACTOR: |
| JOB LOCATION: | APPROVAL: |
| ENGINEER: | CONTRACTOR P.O.: |
| APPROVAL: | REPRESENTATIVE: |

S800

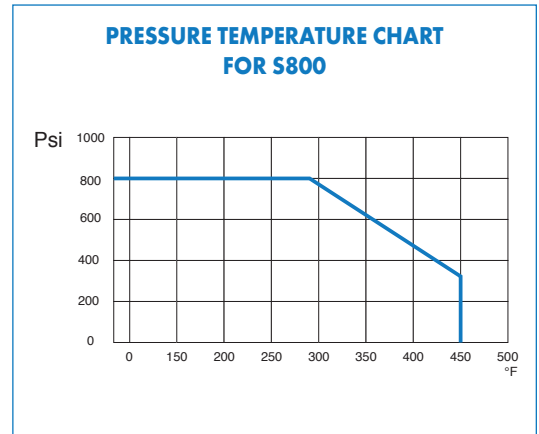
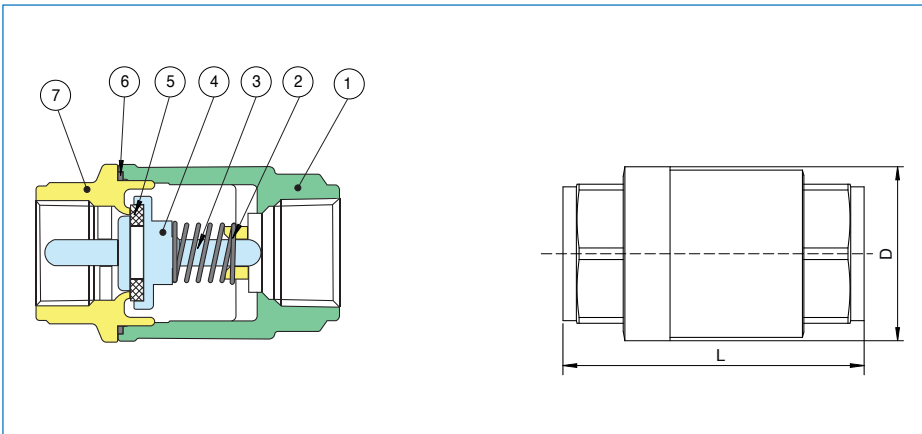
IN-LINE SPRING LOADED, STAINLESS STEEL CHECK VALVE WITH NPT ENDS
1/4" TO 3"

VALVE FEATURES

- Sizes 1/4" to 3"
- Pressure rating: size 1/4" to 2", 800 WOG
- Soft P.T.F.E. seat for bubble tight shutoff, spring loaded for fast seating action
- Low cracking pressure 1/2 psi
- Flow profile designed to minimize head loss
- Perfect sealing both at high and low pressure, wide temperature range: 10°F to 450°F
- Corrosion-resistant - excellent for use on chemicals
- ASTM A351-CF8M investment casting
- 125 WSP saturated steam
- ANSI B1.20.1 threads
- Dual guided stem and disc

SPECIFICATIONS

The S800 series inline stainless-steel check valve is an ASTM A351-CF8M rugged investment cast valve with an 800PSI rating and a PTFE seat. This series features a double guided stem, a 316 SS spring, and with a 1/2 PSI cracking pressure. It is ideally suited for most chemical applications, and has a saturated steam rating to 125WSP, and ASME/ANSI B1.20.1 thread depths.



| N POS | PART NAME | MATERIAL | N PCS |
|-------|--------------|----------------|-------|
| 1 | BODY | ASTM A351-CF8M | 1 |
| 2 | SPRING | SS 316 | 1 |
| 3 | CENTER GUIDE | ASTM A351-CF8M | 1 |
| 4 | DISC | ASTM A351-CF8M | 1 |
| 5 | SEAT | P.T.F.E. | 1 |
| 6 | GASKET | P.T.F.E. | 1 |
| 7 | END CAP | ASTM A351-CF8M | 1 |

| SIZE | D | L | Cv | psi | Weight Lbs. |
|--------|------|------|-------|-----|-------------|
| 1/4" | 1.35 | 2.31 | 3.50 | 800 | 0.42 |
| 3/8" | 1.35 | 2.31 | 3.50 | 800 | 0.42 |
| 1/2" | 1.35 | 2.31 | 5.20 | 800 | 0.40 |
| 3/4" | 1.81 | 2.87 | 10.00 | 800 | 0.85 |
| 1" | 2.13 | 3.50 | 15.00 | 800 | 1.30 |
| 1-1/4" | 2.46 | 4.18 | 24.50 | 800 | 2.50 |
| 1-1/2" | 2.88 | 4.93 | 35.20 | 800 | 3.40 |
| 2" | 3.56 | 6.00 | 52.00 | 800 | 6.00 |
| 2-1/2" | 4.53 | 7.12 | C/F | 800 | C/F |
| 3" | 5.56 | 8.13 | C/F | 800 | C/F |