

Cash Acme®

F-82 Pressure-Only Safety Relief Valve

The F-82 is a compact, pressure-only safety relief valve designed for hot water heating systems, water heaters, and storage tanks (not for steam). The F-82 valves feature lead-free bronze bodies, silicone seat discs, EP diaphragms, brass internal parts, and stainless steel pressure springs.

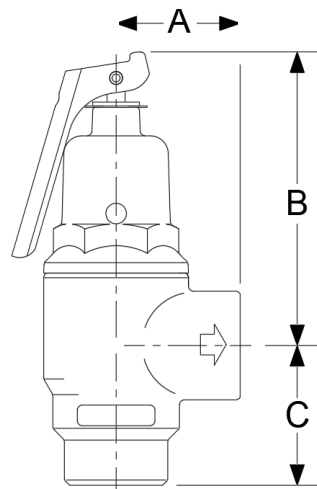
Applications

The F-82 is a high-capacity safety relief valve designed for use on hot water service only and is set to open at a specific pressure to protect the system.

Specifications Data

| Materials | |
|-----------------|------------------------------------|
| Body | Lead-Free Bronze |
| Internal Parts | Brass |
| Seat Disc | Silicone |
| Pressure Spring | Stainless Steel |
| Diaphragm | EP |
| Connection Type | NPT Female Inlet and Female Outlet |

| Performance | |
|---------------|------------|
| Set Pressures | 30-150 psi |



F-82

| Dimensions (Inches) | | | | |
|---------------------|-----------|-------------|-------------|-------------|
| Type | Size | A | B | C |
| F-82 | 3/4 in. | 1-1/2 in. | 3-17/32 in. | 1-11/16 in. |
| F-82 | 1 in. | 1-3/4 in. | 4-7/16 in. | 1-7/64 in. |
| F-82 | 1-1/4 in. | 2-1/16 in. | 5-9/16 in. | 1-1/2 in. |
| F-82 | 1-1/2 in. | 2-15/32 in. | 5-7/8 in. | 1-21/32 in. |
| F-82 | 2 in. | 3 in. | 7-1/2 in. | 2-5/32 in. |

ASME RELIEF CAPACITIES AT STANDARD SETTINGS BTU/HR STEAM RELIEF

| RELIEF SETTING | F-82 (3/4 in. x 3/4 in.) | F-82 (1 in. x 1 in.) | F-82 (1-1/4 in. x 1-1/4 in.) | F-82 (1-1/2 in. x 1-1/2 in.) | F-82 (2 in x 2 in.) |
|----------------|--------------------------|----------------------|------------------------------|------------------------------|---------------------|
| 30 psi | 717,000 | 1,025,000 | 1,704,000 | 2,085,000 | 3,902,000 |
| 50 psi | 1,048,000 | 1,498,000 | 2,490,000 | 3,047,000 | 5,701,000 |
| 75 psi | 1,462,000 | 2,089,000 | 3,472,000 | 4,249,000 | 7,951,000 |
| 100 psi | 1,875,000 | 2,680,000 | 4,454,000 | 5,451,000 | 10,200,000 |
| 125 psi | 2,289,000 | 3,271,000 | 5,437,000 | 6,653,000 | 12,450,000 |
| 150 psi | 2,703,000 | 3,862,000 | 6,419,000 | 7,855,000 | 14,699,000 |

Certifications & Listings

Certified to ASME Boiler and Pressure Vessel Code Section XIII for Section IV (HV Designator) applications

CSA certified to NSF/ANSI/CAN 372

| Product Submittal | |
|-------------------|--|
| Name | |
| Date | |
| Architect/Owner | |
| Contractor | |
| Tag | |
| Notes | |