

GE's Mooney Series 20 Relief Valve

fact sheet

GE's Mooney Series 20 Relief Valve offers a unique overpressure solution that combines top performance and reliability within an economic, modular assembly. This simple yet versatile solution utilizes a self-contained pilot system (Series 20) for high accuracy—and a full-bore main valve orifice to provide increased capacity. Easy to install, operate, and maintain, it also has several unique features and capabilities which add to its versatility as an overpressure protection device.

Key Features

- Top entry design and reduced parts count provide easy in-line maintenance
- Standardized full-bore orifice increases capacity and maintains system integrity
- Full lift at 1.5 psig or 5% above set point, whichever is greater
- Bubble tight at 1.5 psig or 5% below set point, whichever is greater
- Modulating valve action improves efficiency and reduces valve chatter
- Elastomer seats and seals provide improved performance and reduced maintenance costs
- Seat tightness allows operation closer to MAWP
- Multiple size and class ratings to fit a wide range of applications
- Standard O-Ring sizes: readily available and easily replaced
- Removable valve nozzle for easy replacement and maintenance
- GE's Mooney Series 20 pilot provides high accuracy, part interchangeability and familiar design

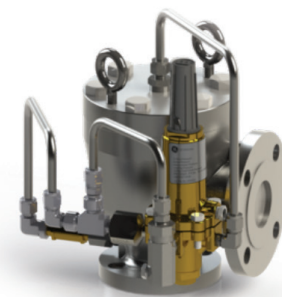
- Easy removal of the cartridge permits quick disassembly and assembly of the pilot
- Flexibility with six different pilot springs to cover pressure settings from 15 psig to 740 psig
- DOT compliant (49CFR192.199)

Primary Applications

GE's Mooney Series 20 Relief Valve is ideal for overpressure protection where reliability, capacity and simplicity are of prime importance.

Natural Gas Industry

- District regulating stations
- Meter protection
- Transmission
- Midstream
- Process industries
- Positive displacement blowers and unloading



Specifications

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|-----------------------|--|
| Sizes | 1.5" (38.1 mm) through 8" (203.2 mm) inlet 2" (50.8 mm) through 10" (254 mm) outlet |
| Body Style | 1.5" through 4" inlet – single outlet 6" through 8" inlet – dual outlet |
| Orifice Size | Full-bore |
| Inlet Ratings | ANSI Class 150 and 300 |
| Outlet Ratings | ANSI Class 150 |
| Pressure Range | 15 psig to 740 psig |
| Temperature Range | -20°F to 150°F (-29°C to 66°C) |
| End Connections | Raised face flanges |
| Body Materials (Std.) | Carbon steel base and 316 stainless steel internal components and trim |

