

Fisher Back Check Valves



G109



Specifications

G200 & G201

Pressure Rating: 400 psig WOG

Body: Ductile iron

Internal Parts: Plated steel or stainless steel

Seat Disc: Synthetic rubber

Back Check Valves

Back check valves allow flow in only one direction and are normally closed. They are installed in liquid filling connections on stationary storage tanks, bobtail delivery trucks and liquid transfer lines.

G100 Series

Type G100 - The G100 is used mainly in tank inlet connections, are offered in two styles of seat construction: metal-to-metal or soft seat. The soft seated construction is for the filling connection on bobtail delivery trucks.

Type G109 - The G109 was designed for in-line service at bulk plants with FNPT connections for easy installations.

G200 Series

Type G200 - The G200 back check valves are specifically intended for heavy-duty in-line service at the bulk plant's transfer area. The valves are suitable for LP-Gas or NH3 service.

Flow moves the spring loaded poppet to the open position as soon as pressure differential is created. When flow stops, the poppet closes. A soft seat construction gives tight shutoff so that piping can be blown down for maintenance.

With a body design to reduce flow resistance, flow capacity is high. The 2" body size gives 250 GPM LP-Gas at 10 psig differential pressure.

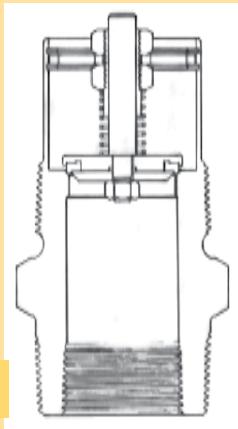
The G200 Series is built to stay on the job with all internal parts of plated steel or stainless steel.

Type G201 - The G201 has a built-in flow indicator mechanism, which can be used to replace sight flow indicators.

Bergquist



G105



G100



G201

bergquistinc.com | 800 537 7518

Fisher Back Check Valves

| Seat Construction | Container or Inlet Connection | Outlet Connection | Propane Flow Capacity At 10 psig Differential Pressure | Type Number | | | |
|-------------------|-------------------------------|-----------------------|--|-------------|-------|--------------|----------------|
| | | | | Brass | Steel | Ductile Iron | |
| | | | | | | Standard | Flow Indicator |
| Metal-to-Metal | 3/4" MNPT | 3/4" FNPT | 21 GPM | G100 | --- | --- | --- |
| | 1 1/4" MNPT | 1 1/4" FNPT | 55 GPM | G101 | --- | --- | --- |
| | 2" MNPT | 2" FNPT | 150 GPM | G102 | G112 | --- | --- |
| | 2" FNPT | 2" FNPT | 150 GPM | G109 | --- | --- | --- |
| | 3" MNPT | 3" FNPT | 250 GPM | --- | G104 | --- | --- |
| Soft Seat | 1 1/4" FNPT | 1 1/4" FNPT | 190 GPM | --- | --- | G200-10 | G201-10 |
| | 2" FNPT | 2" FNPT | 350 GPM | --- | --- | G200-16 | G201-16 |
| | 2" MNPT | 2" MNPT & 1 1/4" FNPT | 137.5 GPM | --- | G105 | --- | --- |
| | 3" FNPT | 3" FNPT | 800 GPM | --- | --- | G200-24 | G201-24 |
| | 3" FNPT | 2" MNPT | 254 GPM | --- | G106 | --- | --- |
| | 3" MNPT | 3" MNPT & 2" MNPT | 254 GPM | --- | G107 | --- | --- |

Marshall Excelsior Back Check Valves

Marshall Excelsior High Flow Back Check Valves provide back flow protection to container openings or liquid lines where flow is intended for one direction. The valve is normally held closed until pressure activates the valve when flow is directed into piping or containers causing the back check to open. When flow stops or reverses, the check returns to the closed position. All Marshall Excelsior High Flow Back Check Valves are supplied with o-ring soft seats, which can be removed for metal to metal seating.



ME870S



Features:

- Dual Purpose Seat Reduces Inventory - 2 for 1
- Universal Seat - Remove O-Ring Seal to Create Metal to Metal Seating Surface
- Up to 20% More Flow than Nearest Competitor
- Maximum Product Flow Achieved by Full Port and Stem Travel Design
- All Models Feature Stainless Steel Stem, Spring, and Valve Guide
- Valve Body and Shutoff Poppet Available In Brass, Zinc Plated Steel, or Stainless Steel
- Available From 3/4" NPT through 3" NPT (Male x Female & Male x Male NPT)
- Zinc Plated Steel and Stainless Steel Models can be Used with LP Gas or NH3

Marshall Excelsior Back Check Valves

| Part Number | Inlet Connection | Outlet Connection | Closing Flow GPM (1) | Material |
|-------------------|------------------|-------------------|----------------------|-----------|
| ME870-6 | 3/4" FNPT | 3/4" MNPT | 24 | Brass |
| ME870-16 | 2" FNPT | 2" MNPT | 187 | |
| ME870S-6 | 3/4" FNPT | 3/4" MNPT | 24 | Steel |
| ME870S-16 | 2" FNPT | 2" MNPT | 187 | |
| ME870S-24 | 3" FNPT | 3" MNPT | 449 | |
| ME870SS-6 | 3/4" FNPT | 3/4" MNPT | 24 | Stainless |
| ME870SS-16 | 2" FNPT | 2" MNPT | 187 | |
| ME872S-16 | 2" MNPT | 2" MNPT | 187 | Steel |

Note 1 - Gallons Per Minute of liquid propane at 10 psig pressure differential

