Date created, 06/30/2017 - Subject to change. © Belimo Aircontrols (USA), Inc.

B219B, 2-Way, Characterized Control Valve Chrome Plated Brass Ball and Nickel Plated Brass Stem







| WARRAN |
|--------|

| Technical Data | |
|-----------------------------------|--------------------------------------|
| Service | chilled, hot water, up to 60% glycol |
| Flow Characteristic | equal percentage |
| Controllable Flow Range | 75° |
| Size [mm] | 0.75" [20] |
| End Fitting | NPT female ends |
| Body | forged brass, nickel plated |
| Ball | chrome plated brass |
| Stem | nickel plated brass |
| Stem Packing | EPDM (lubricated) |
| Seat | Teflon® PTFE |
| Seat O-ring | EPDM (lubricated) |
| Characterized Disc | TEFZEL® |
| Body Pressure Rating [psi] | 600 |
| Media Temperature Range | 0°F to 250°F [-18°C to 120°C] |
| (Water) | |
| Max Differential Pressure (Water) | 50 psi (345 kPa) |
| Close-Off Pressure | 200 psi |
| Cv | 10 |
| Weight | 0.7 lb [0.3 kg] |
| Leakage | 0% for A to AB |
| Servicing | maintenance free |



Application

This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable flow.

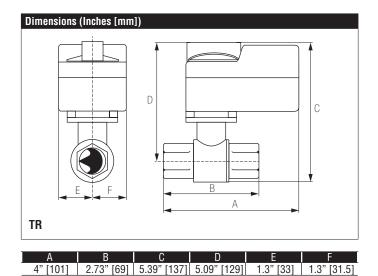
Suitable Actuators

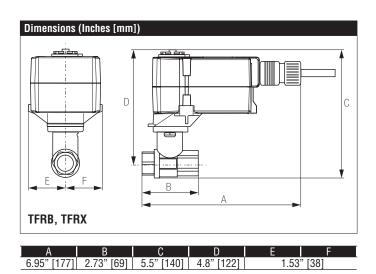
| | Non-Spring | Spring | | | |
|-------|------------|---------|--|--|--|
| B219B | TR, LR | TFR, LF | | | |

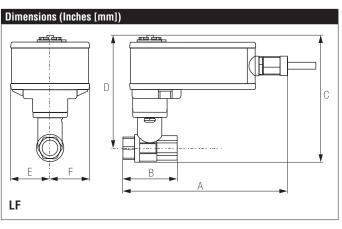


| Α | В | С | D | E | F | H1 | H2 |
|-------|-------|-------|-------|------|------|-------|---------|
| 9.4" | 2.73" | 5.79" | 5.09" | 1.3" | [33] | 1.18" | 1" [25] |
| [239] | [69] | [147] | [129] | | | [30] | |









| Α | В | С | D | Е | F |
|-------------|------------|-------------|-------------|------|--------|
| 8.58" [218] | 2.73" [69] | 6.27" [159] | 5.57" [141] | 1.82 | " [46] |