



5-year warranty



## Technical data

|                           |                           |  |
|---------------------------|---------------------------|--|
| <b>Functional data</b>    | Valve Size                | 1" [25]  |
|                           | Fluid                     | chilled or hot water, up to 60% glycol                 |
|                           | Fluid Temp Range (water)  | 0...250°F [-18...120°C]                                |
|                           | Body Pressure Rating      | 600 psi  |
|                           | Body pressure rating note | 600 psi  |
|                           | Close-off pressure Δps    | 200 psi  |
|                           | Flow characteristic       | equal percentage                                       |
|                           | Servicing                 | maintenance-free                                       |
|                           | Flow Pattern              | 2-way  |
|                           | Leakage rate              | 0% for A – AB  |
|                           | Controllable flow range   | 75°  |
|                           | Cv                        | 10   |
|                           | Cv Flow Rating            | A-port: as stated in chart B-port: 70% of A – AB<br>Cv |
| <b>Materials</b>          | Valve body                | Nickel-plated brass body                               |
|                           | Stem                      | stainless steel  |
|                           | Stem seal                 | EPDM (lubricated)                                      |
|                           | Seat                      | PTFE   |
|                           | Characterizing disk       | TEFZEL®  |
|                           | Pipe connection           | NPT female ends  |
|                           | O-ring                    | EPDM (lubricated)                                      |
|                           | Ball                      | stainless steel  |
| <b>Suitable actuators</b> | Non-Spring                | LRB(X)<br>NR   |
|                           | Spring                    | LF   |

## Safety notes



- **WARNING:** This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## Product features

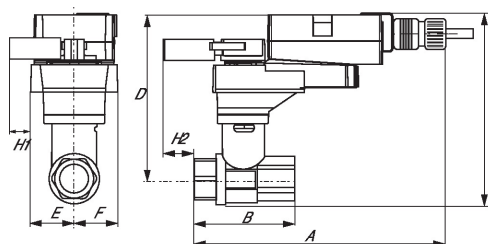
**Application** This valve is typically used in air handling units on heating or cooling coils, and fan coil unit heating or cooling coils. Some other common applications include Unit Ventilators, VAV box re-heat coils and bypass loops. This valve is suitable for use in a hydronic system with variable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

**Flow/Mounting details**

Two-way valves should be installed with the disc upstream.

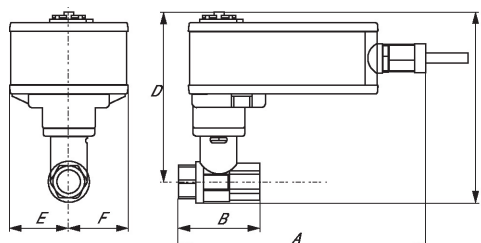

**Dimensions**
**Dimensional drawings**

LRB, LRX



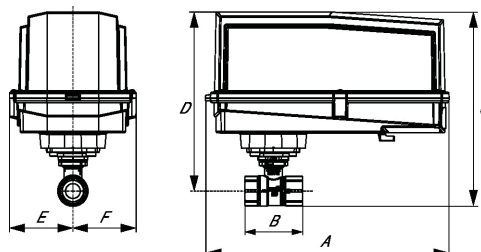
| A          | B         | C          | D          | E         | F         | H1        | H2        |
|------------|-----------|------------|------------|-----------|-----------|-----------|-----------|
| 9.4" [239] | 3.1" [78] | 7.2" [184] | 6.3" [161] | 1.3" [33] | 1.3" [33] | 1.2" [30] | 0.9" [23] |

LF



| A          | B         | C          | D          | E         | F         |
|------------|-----------|------------|------------|-----------|-----------|
| 8.1" [206] | 3.1" [78] | 6.5" [165] | 5.6" [142] | 1.8" [46] | 1.8" [46] |

ARB N4, ARX N4, NRB N4, NRX N4



| A           | B         | C          | D          | E         | F         |
|-------------|-----------|------------|------------|-----------|-----------|
| 11.4" [289] | 3.1" [78] | 7.8" [199] | 7.1" [181] | 3.1" [80] | 3.1" [80] |