

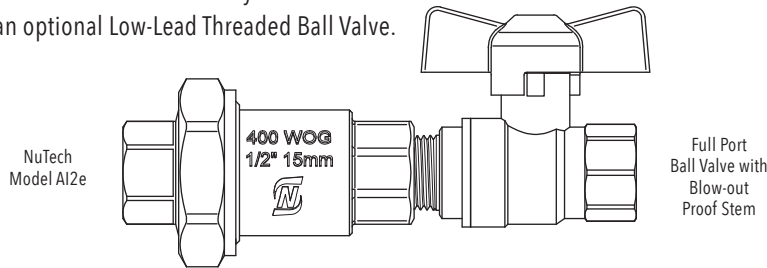
AI2e

Low Lead Automatic In-Line Balancing Valve

NuTech's AI2e is an Automatic In-line Balancing Valve is a Low-Lead flow control device and union. The removable Flow Cartridge is factory set automatically to limit the GPM to within $\pm 5\%$ of the specified flow. The union has an EPDM O-ring seal with FNPT end connections. Both the valve and tailpiece conform to *NSF / ANSI 372.



The Automatic In-line Valve may be ordered with an optional Low-Lead Threaded Ball Valve.



PRODUCT INFORMATION

| PART | MATERIALS |
|------------------------------|--|
| Valve Body and Tailpiece | Naval Brass, C46500 Low-Lead* |
| O-rings | EPDM |
| End Conn. | FNPT (0.50" and 0.75") Standard <i>Sweat & Press End Optional</i> |
| Cartridge | Ultrason® Composite with Stainless Steel Spring 0.35 - 12.0 GPM |
| Union Nut | Free Machining Brass |
| Ball Valve (Optional) | |
| Body | Naval Brass, C46500 Low Lead* |
| Ball | 304 Stainless Steel, Full Port |
| O-rings | EPDM |
| Packing & Seal | Teflon |
| Connections | MNPT x FNPT (0.50" and 0.75") |

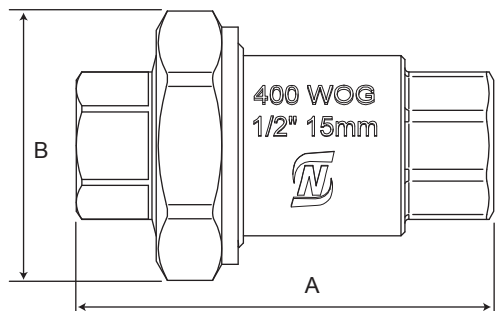
*Maximum lead content of 0.25% by weight.

Optional Accessories are an additional charge

SPECIFICATIONS

| | |
|-----------------|--|
| Function: | Automatic Balancing Valve and Union <i>Shut Off with Optional Low-lead Ball Valve</i> |
| Sizes: | 0.50" - 0.75" |
| Ratings: | Pressures to 400 PSIG (2760 kPa) Temperatures to 250° F (120° C) |
| Pressure Range: | 2-32 PSID |
| Accuracy: | $\pm 5\%$ of flow rate |

AI2e 0.50" - 0.75" Automatic In-Line Balancing Valve

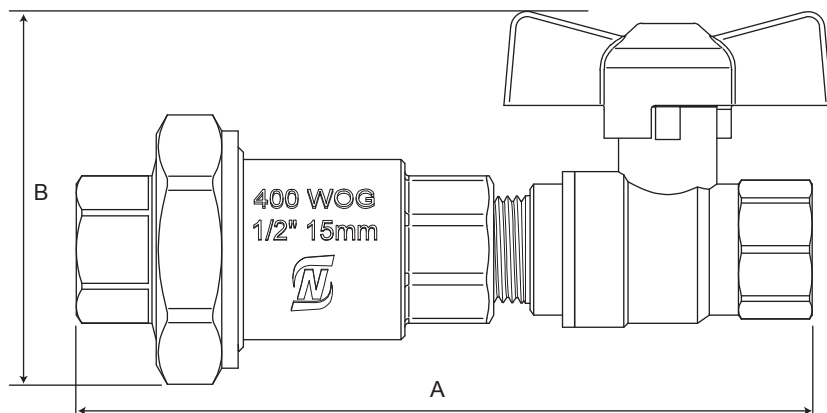


NOMINAL DIMENSIONS, WEIGHTS & FLOWS

| MODEL / BODY SIZE | SIZE | | | A | B | WEIGHT | | GPM SETTINGS 2-32 PSID |
|-------------------|------|----|----|-------|-----|--------|------|--|
| | in | mm | | | | lbs | kg | |
| AI2e-050F-050F | 0.50 | 15 | in | 3.16 | 2.0 | 0.61 | .277 | 0.35, 0.50, 0.66, 0.75, 0.88, 1.00, 1.10, 1.30, 1.50, 1.75, 2.00, 2.20, 2.50, 2.65, 3.00, 3.50, 4.00, 4.50, 5.00, 6.00, 7.00, 8.00, 9.00, 10.00, 12.00 |
| | | | mm | 80.30 | 51 | | | |
| AI2e-075F-075F | 0.75 | 20 | in | 3.16 | 2.0 | 0.57 | .258 | |
| | | | mm | 80.30 | 51 | | | |

Nominal Dimensions & Weights shown above are not to be used for construction purposes unless first certified by the Factory.

AI2e 0.50" - 0.75" Automatic In-Line Balancing Valve with Optional Ball Valve



NOMINAL DIMENSIONS, WEIGHTS & FLOWS

| MODEL / BODY SIZE | SIZE | | | A | B | WEIGHT | | GPM SETTINGS 2-32 PSID |
|-------------------|------|----|----|--------|-------|--------|------|--|
| | in | mm | | | | lbs | kg | |
| AI2e-050F-050F-BL | 0.50 | 15 | in | 5.76 | 2.84 | 1.10 | 0.50 | 0.35, 0.50, 0.66, 0.75, 0.88, 1.00, 1.10, 1.30, 1.50, 1.75, 2.00, 2.20, 2.50, 2.65, 3.00, 3.50, 4.00, 4.50, 5.00, 6.00, 7.00, 8.00, 9.00, 10.00, 12.00 |
| | | | mm | 146.30 | 72.20 | | | |
| AI2e-075F-075F-BL | 0.75 | 20 | in | 5.50 | 2.96 | 1.39 | 0.63 | |
| | | | mm | 140 | 75.30 | | | |

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