



| DN | " | B | L | C | ISO F |
|----|--------|----|-----|----|-------|
| 8 | 1/4" | 38 | 75 | 9 | 3 |
| 10 | 3/8" | 38 | 75 | 9 | 3 |
| 15 | 1/2" | 38 | 75 | 9 | 03 |
| 20 | 3/4" | 41 | 80 | 9 | 03 |
| 25 | 1" | 44 | 90 | 9 | 03 |
| 32 | 1 1/4" | 55 | 110 | 11 | 04/05 |
| 40 | 1 1/2" | 62 | 120 | 11 | 04/05 |
| 50 | 2" | 73 | 140 | 14 | 05 |
| 65 | 2 1/2" | 83 | 155 | 14 | 07 |
| 80 | 3" | 95 | 183 | 14 | 07 |

All dimensions in mm / change without subject to notice

Brass Ball Valve
with electric operation




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|  | <ul style="list-style-type: none"> ▪ brass ball valve in heavy industrial design ▪ special, triple-sealed, blow-out proof stem ▪ full port ball valve ▪ low operation torque with special sealings ▪ applicable for hot and cold water, air, hydrocarbons and non-corrosive fluids ▪ housing material: CW617N-MS, nickel-plated, CW614N-MS ▪ ball material: toughly chrome-plated ▪ sealing: PTFE/FKM ▪ medium temperature: -20°C up to +130°C ▪ length: DIN 3202 T4 (M3) ▪ thread ends: ISO 7/1 - NPT |
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| <p>with mounted electric actuator of series</p> | <p>NK</p>  |
| <p>floating time torque</p> | <p>30 or 60s/90° 10 or 15Nm</p> |
| <p>ambient temperature</p> | <p>-15° up to +60°C</p> |
| <p>protection class voltage</p> | <p>IP65 230V, 50Hz</p> |
| <p>Options such as potentiometers, additional auxiliary limit switches, position indication, Ex Zone 2/22 and higher protection classes up to IP67 on request.</p> | |

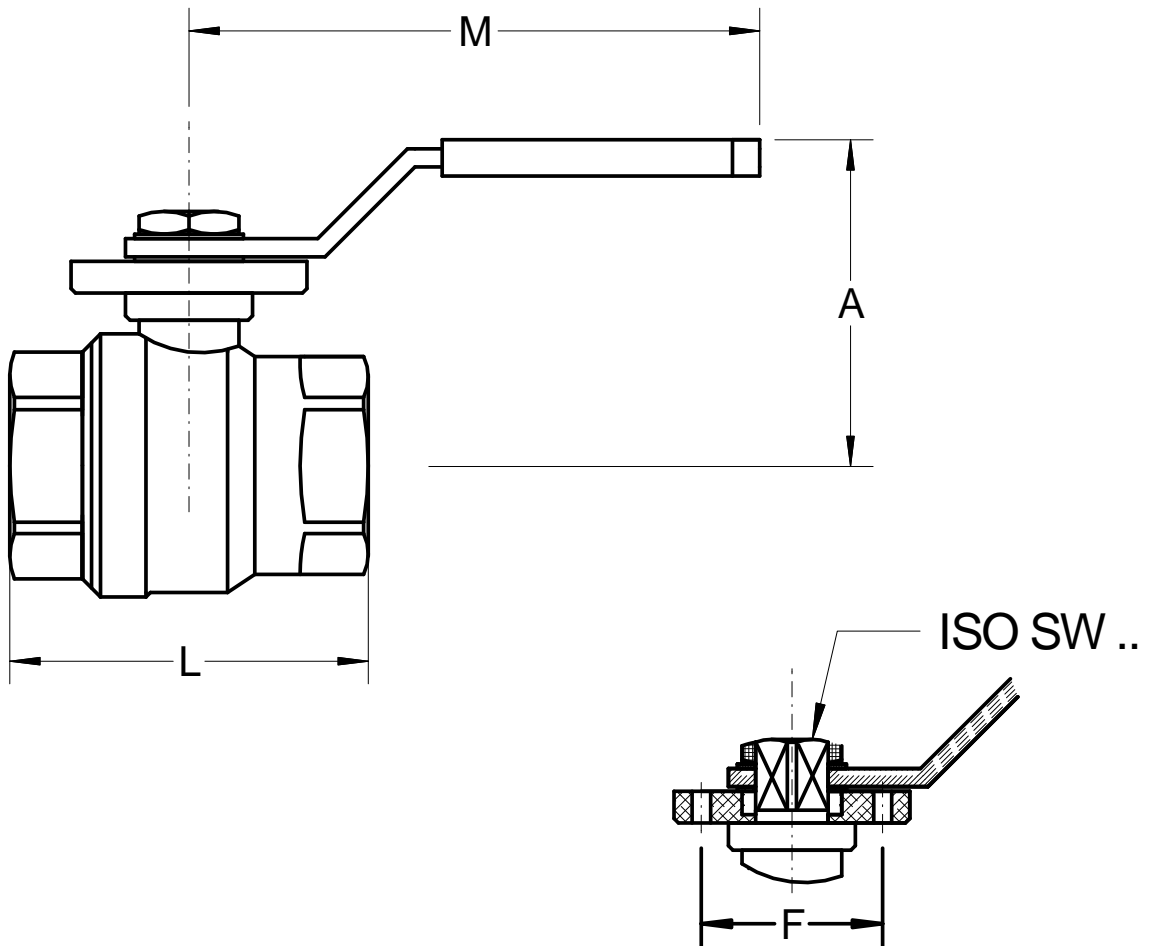
Brass Ball Valve

with pneumatic operation



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|  | <ul style="list-style-type: none"> ▪ brass ball valve in heavy industrial design ▪ special, triple-sealed, blow-out proof stem ▪ full port ball valve ▪ low operation torque with special sealings ▪ applicable for hot and cold water, air, hydrocarbons and non-corrosive fluids ▪ housing material: CW617N-MS, nickel-plated, CW614N-MS ▪ ball material: toughly chrome-plated ▪ sealing: PTFE/FKM ▪ medium temperature: -20°C up to +130°C ▪ length: DIN 3202 T4 (M3) ▪ thread ends: ISO 7/1 - NPT |
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| <p>with mounted pneumatic actuator of series</p> | <p>PD/PE</p>  |
| <p>material</p> | <p>aluminium, anodized / epoxy resin coated</p> |
| <p>control medium</p> | <p>filtered air</p> |
| <p>ambient temperature</p> | <p>-20° up to +80°C</p> |
| <p>actuating pressure</p> | <p>2 up to 8bar</p> |
| <p>mechanical interfaces</p> | <p>ISO 5211 / NAMUR VDI/VDE 3845</p> |
| <p style="text-align: center;">exterior travel limitation +/-10°</p> | |
| <p style="text-align: center;">Options such as switch box, magnetic valve, positioner etc. on demand.</p> | |




| DN | " | A | L | M | ISO F |
|----|--------|-----|------|-----|-------|
| 8 | 1/4" | 62 | 50 | 112 | 03 |
| 10 | 3/8" | 62 | 50 | 112 | 03 |
| 15 | 1/2" | 63 | 55 | 112 | 04 |
| 20 | 3/4" | 70 | 75,5 | 138 | 04/05 |
| 25 | 1" | 70 | 83 | 160 | 04/05 |
| 32 | 1 1/4" | 88 | 91 | 160 | 05/07 |
| 40 | 1 1/2" | 94 | 102 | 205 | 05/07 |
| 50 | 2" | 100 | 120 | 205 | 05/07 |
| 65 | 2 1/2" | 145 | 155 | 330 | 07/10 |
| 80 | 3" | 157 | 182 | 330 | 07/10 |



All dimensions in mm / change without subject to notice

Stainless Steel Ball Valve 014,015 (2-piece)

with manual or electric operation




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|  | <ul style="list-style-type: none"> ▪ stainless steel ball valve in 2-piece design ▪ blow-out proof stem ▪ full port ball valve ▪ material housing / ball: 1.4401 ▪ maximal working pressure: 63kg/cm² ▪ sealing: PTFE + 15% graphite ▪ medium temperature: -25°C up to +180°C ▪ length: DIN 3202 T4 (M3) ▪ screw thread: DIN 2999 |
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| <p>with mounted electric actuator of series</p> | <p>NK</p>  | <p>NL</p>  |
| <p>floating time torque ambient temperature protection class voltage</p> | <p>15, 30 or 60s/90° 10 or 15Nm -15° up to +60°C IP65 230V, 50Hz</p> | <p>15, 30 or 60s/90° 20 or 40Nm -15° up to +60°C IP65 230V, 50Hz</p> |
| <p>Options such as potentiometers, additional auxiliary limit switches, position indication, control output 4-20 mA, Ex Zone 2/22 and higher protection classes up to IP67 on request.</p> | | |

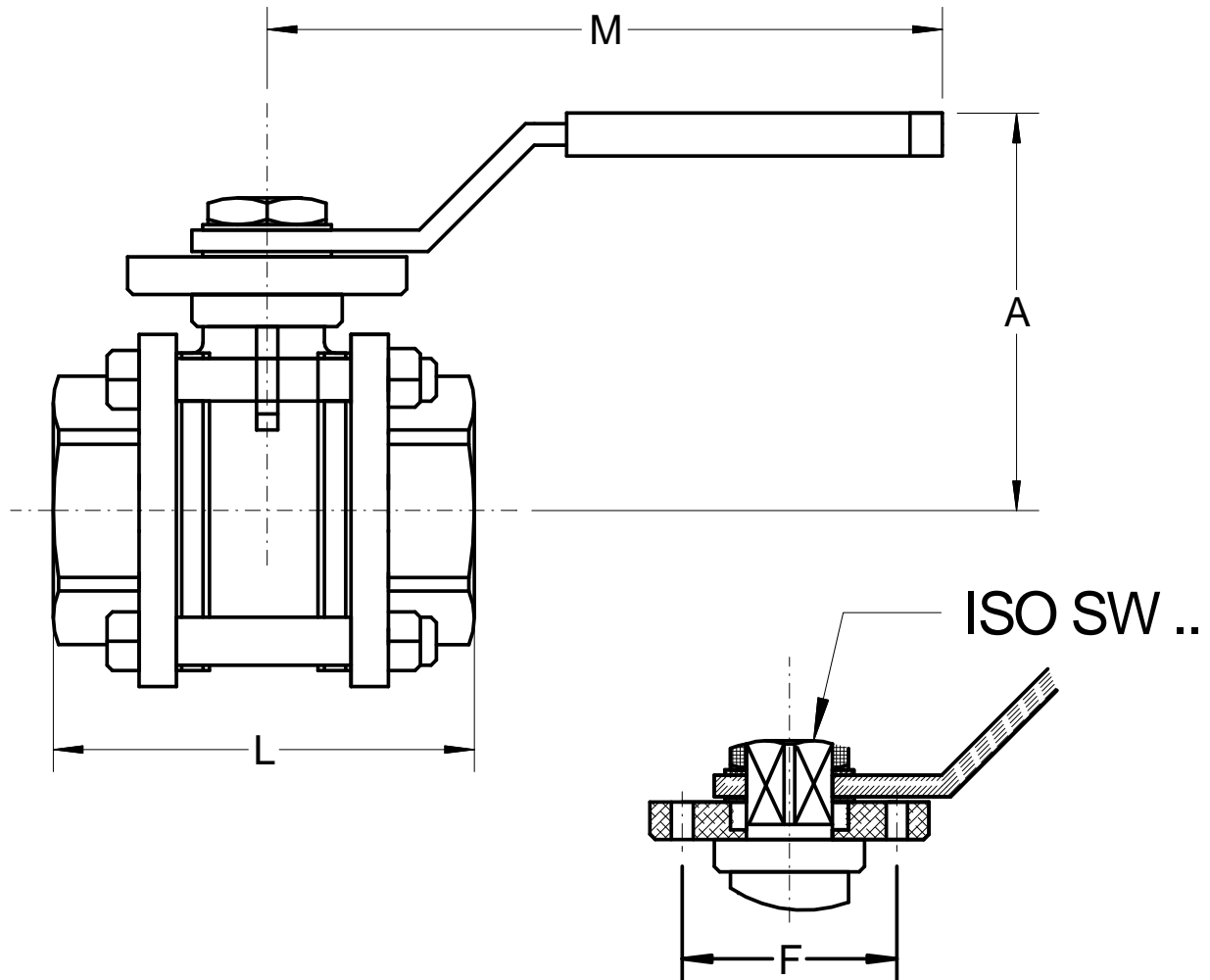
Stainless Steel Ball Valve 015 (2-piece)

with pneumatic operation



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|  | <ul style="list-style-type: none"> ▪ stainless steel ball valve in 2-piece design ▪ blow-out proof stem ▪ full port ball valve ▪ material housing / ball: 1.4401 ▪ maximal working pressure: 63kg/cm² ▪ sealing: PTFE + 15% graphite ▪ medium temperature: -25°C up to +180°C ▪ length: DIN 3202 T4 (M3) ▪ screw thread: DIN 2999 |
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| <p>with mounted pneumatic actuator of series</p> | <p>PD/PE</p>  |
| <p>material</p> | <p>aluminium, anodized / epoxy resin coated</p> |
| <p>control medium</p> | <p>filtered air</p> |
| <p>ambient temperature</p> | <p>-20° up to +80°C</p> |
| <p>actuating pressure</p> | <p>2 up to 8bar</p> |
| <p>mechanical interfaces</p> | <p>ISO 5211 / NAMUR VDI/VDE 3845</p> |
| <p>exterior travel limitation +/-10°</p> | |
| <p>Options such as switch box, magnetic valve, positioner etc. on demand.</p> | |




| DN | " | A | L | M | ISO F |
|-----|--------|-----|------|-----|-------|
| 8 | 1/4" | 60 | 49,6 | 112 | 03 |
| 10 | 3/8" | 60 | 49,6 | 112 | 03 |
| 15 | 1/2" | 60 | 56 | 112 | 04 |
| 20 | 3/4" | 70 | 73 | 138 | 04/05 |
| 25 | 1" | 70 | 82 | 138 | 04/05 |
| 32 | 1 1/4" | 88 | 91 | 160 | 05/07 |
| 40 | 1 1/2" | 94 | 104 | 205 | 05/07 |
| 50 | 2" | 100 | 120 | 205 | 05/07 |
| 65 | 2 1/2" | 150 | 155 | 330 | 07/10 |
| 80 | 3" | 165 | 182 | 330 | 07/10 |
| 100 | 4" | 175 | 225 | 340 | 07/10 |



All dimensions in mm / change without subject to notice

Stainless Steel Ball Valve 025 (3-piece)

with manual or electric operation




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|  | <ul style="list-style-type: none"> ▪ stainless steel ball valve in 3-piece design ▪ blow-out proof stem ▪ full port ball valve ▪ material housing / ball: 1.4401 ▪ maximal working pressure: 63kg/cm² ▪ sealing: PTFE + 15% graphite ▪ medium temperature: -25°C up to +180°C ▪ length: DIN 3202 T4 (M3) ▪ screw thread: DIN 2999 |
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <p>with mounted electric actuator of series</p> | <p>NK</p>  | <p>NL</p>  |
| <p>floating time</p> | <p>15, 30 or 60s/90°</p> | <p>15, 30 or 60s/90°</p> |
| <p>torque</p> | <p>10 or 15Nm</p> | <p>20 or 40Nm</p> |
| <p>ambient temperature</p> | <p>-15° up to +60°C</p> | <p>-15° up to +60°C</p> |
| <p>protection class</p> | <p>IP65</p> | <p>IP65</p> |
| <p>voltage</p> | <p>230V, 50Hz</p> | <p>230V, 50Hz</p> |
| <p>Options such as potentiometers, additional auxiliary limit switches, position indication, control output 4-20 mA, Ex Zone 2/22 and higher protection classes up to IP67 on request.</p> | | |

Stainless Steel Ball Valve 025 (3-piece)

with pneumatic operation



| | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <ul style="list-style-type: none"> ▪ stainless steel ball valve in 3-piece design ▪ blow-out proof stem ▪ full port ball valve ▪ material housing / ball: 1.4401 ▪ maximal working pressure: 63kg/cm² ▪ sealing: PTFE + 15% graphite ▪ medium temperature: -25°C up to +180°C ▪ length: DIN 3202 T4 (M3) ▪ screw thread: DIN 2999 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <p>with mounted pneumatic actuator of series</p> | <p>PD/PE</p>  |
| <p>material</p> | <p>aluminium, anodized / epoxy resin coated</p> |
| <p>control medium</p> | <p>filtered air</p> |
| <p>ambient temperature</p> | <p>-20° up to +80°C</p> |
| <p>actuating pressure</p> | <p>2 up to 8bar</p> |
| <p>mechanical interfaces</p> | <p>ISO 5211 / NAMUR VDI/VDE 3845</p> |
| <p>exterior travel limitation +/-10°</p> | |
| <p>Options such as switch box, magnetic valve, positioner etc. on demand.</p> | |