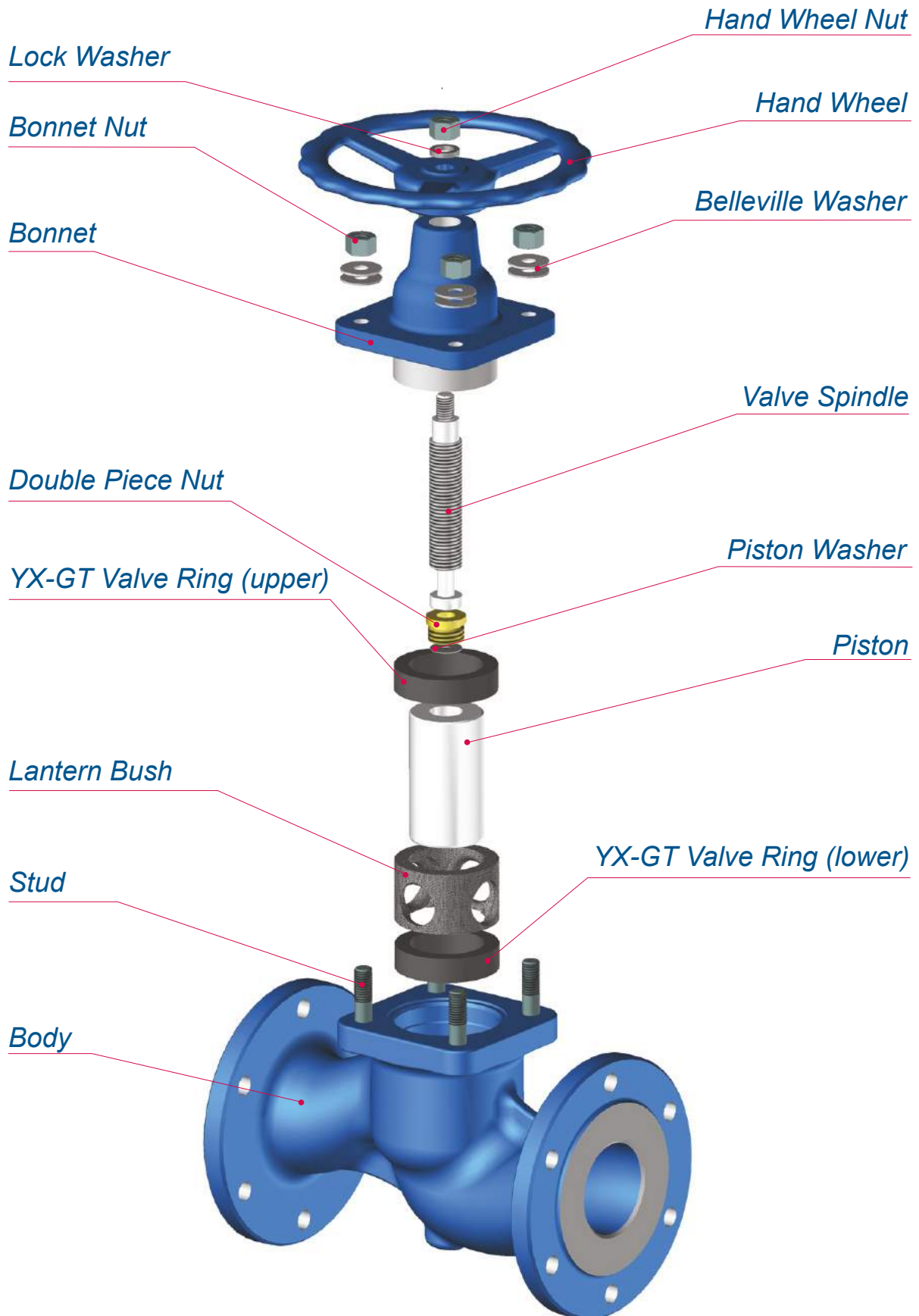
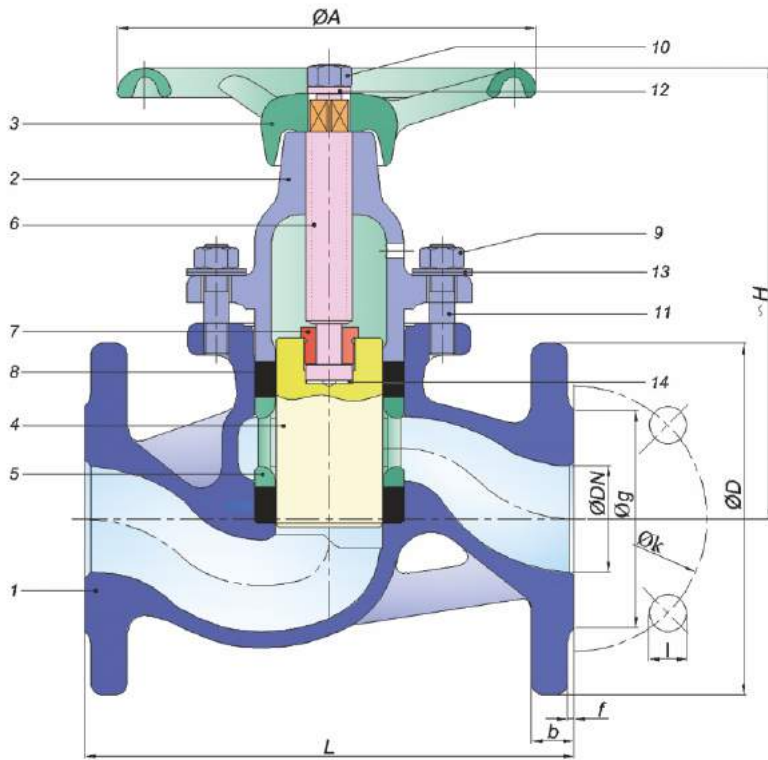


# Piston Valve YVN 15-50





## Piston Valves

### DN 15 - 50

### Type: YVN Flanged

| Material Type  | Cast Iron                          | Ductile Iron                       | Cast Steel                         | Stainless Steel                    |
|----------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Size           | DN15-50                            | DN15-50                            | DN15-50                            | DN15-50                            |
| Pressure Class | PN16                               | PN25                               | PN40                               | PN40                               |
| Dimensions     | DIN EN 558/1.serie                 | DIN EN 558/1.serie                 | DIN EN 558/1.serie                 | DIN EN 558/1.serie                 |
| Assembly       | Flanged according to DIN EN 1092-2 | Flanged according to DIN EN 1092-2 | Flanged according to DIN EN 1092-1 | Flanged according to DIN EN 1092-1 |
| Temperature    | -10°C +300 °C                      | -10°C +350 °C                      | -10°C * +400°C                     | -10°C * +400°C                     |
| Material Code  | 2                                  | 8                                  | 7                                  | 9                                  |
| Order Code     | YPG.2F__00                         | YPG.8F__00                         | YPG.7F__00                         | YPG.9F__00                         |

### Fluid Types

All kinds of fluids such as water, hot water, high temperature hot water, steam, thermal oil, LPG, fuel oil, pressurized air, etc.

| P.No | Part Name         | Cast Iron           | Ductile Iron        | Cast Steel          | St. Steel | St. Steel |
|------|-------------------|---------------------|---------------------|---------------------|-----------|-----------|
| 1    | Body              | GJL 250             | 0.7040              | 1.0619              | 1.4308    | 1.4408    |
| 2    | Upper Bonnet      | GJL 250 ****        | 0.7040 ****         | 1.0619 ****         | 1.4308    | 1.4408    |
| 3    | Hand Wheel        | GJL 200             | GJL 200             | GJL 200             | GJL 200   | GJL 200   |
| 4    | Piston            | 1.4021              | 1.4021              | 1.4021              | 1.4301    | 1.4401    |
| 5    | Lantern Bush      | GJL 200 + Phosphate | GJL 200 + Phosphate | GJL 200 + Phosphate | 1.4308*** | 1.4408*** |
| 6    | Valve Spindle     | 1.4021/St-42        | 1.4021/St-42        | 1.4021/St-42        | 1.4301    | 1.4401    |
| 7    | Double Piece Nut  | Ms-58               | Ms-58               | Ms-58               | 1.4301    | 1.4401    |
| 8    | Valve Ring        | Graphite            | Graphite            | Graphite            | Graphite  | Graphite  |
| 9    | Nut               | 8.8+Gal.            | 8.8+Gal.            | 8.8+Gal.            | A2-70     | A2-70     |
| 10   | Nut               | 8.8+Gal.            | 8.8+Gal.            | 8.8+Gal.            | A2-70     | A2-70     |
| 11   | Stud              | 8.8+Gal.            | 8.8+Gal.            | 8.8+Gal.            | A2-70     | A2-70     |
| 12   | Lock Washer       | 8.8+Gal.            | 8.8+Gal.            | 8.8+Gal.            | A2-70     | A2-70     |
| 13   | Belleville Washer | 50CrV4              | 50CrV4              | 50CrV4              | A2-70     | A2-70     |
| 14   | Piston Washer     | Ms-58               | Ms-58               | Ms-58               | 1.4301    | 1.4301    |

| DN |        | Dimensions |     |     | Assembly size |     |     |          |     |      |   |    |      |   |    |      |   |    |
|----|--------|------------|-----|-----|---------------|-----|-----|----------|-----|------|---|----|------|---|----|------|---|----|
| mm | inch   | Type       | L   | H   | A             | D   | g   | Hole Nr. | k   | PN16 |   |    | PN25 |   |    | PN40 |   |    |
|    |        |            |     |     |               |     |     |          |     | b    | f | l  | b    | f | l  | b    | f | l  |
| 15 | 1/2"   | YVN 15     | 130 | 105 | 100           | 95  | 45  | 4        | 65  | 14   | 2 | 14 | 16   | 2 | 14 | 16   | 2 | 14 |
| 20 | 3/4"   | YVN 20     | 150 | 120 | 120           | 105 | 58  | 4        | 75  | 16   | 2 | 14 | 18   | 2 | 14 | 18   | 2 | 14 |
| 25 | 1"     | YVN 25     | 160 | 138 | 140           | 115 | 68  | 4        | 85  | 16   | 2 | 14 | 18   | 3 | 14 | 18   | 2 | 14 |
| 32 | 1 1/4" | YVN 32     | 180 | 154 | 160           | 140 | 78  | 4        | 100 | 18   | 2 | 19 | 18   | 3 | 19 | 18   | 2 | 18 |
| 40 | 1 1/2" | YVN 40     | 200 | 186 | 180           | 150 | 88  | 4        | 110 | 18   | 3 | 19 | 18   | 3 | 19 | 18   | 2 | 18 |
| 50 | 2"     | YVN 50     | 230 | 211 | 200           | 165 | 102 | 4        | 125 | 20   | 3 | 19 | 20   | 3 | 19 | 20   | 2 | 18 |

\* For temperatures below -10°C, stud and nut material should be stainless steel  
 \*\*\*1.4401 for DN15 and DN20  
 \*\*\*\* Ck22 for DN15 and DN20