

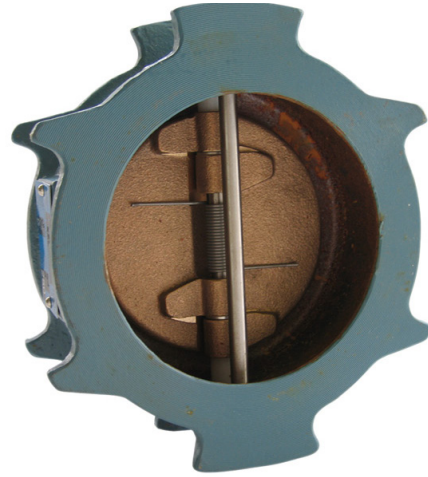


Double Door Check Valve (Wafer) - Lead Free

KW900WLF

Technical Features

- **Sizes available (Nominal) :** DN65/2 1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10", DN300/12", DN350/14" & DN400/16".
- **Pressure data :** Working pressure:
 - DN65/2 1/2" - DN300/12" - UL Listed to 17.2 bar (250 psi).
 - DN350/14" and DN400/16" - FM Approved only to 13.8 bar (200 psi)
- **Seat type :** Resilient rubber type.
- **Connections :** Wafer style designed to fit between the following flange types; ANSI B16.1 Class 125.
- **Features :**
 - Certified lead-free.
 - May be installed in either horizontal or vertical position with upward flow. For horizontal flow, the valve must be installed with the disc hinge pin in the vertical position to ensure proper operation.



¹ See approval exceptions in Physical Data table

Double Door Check Valve (Wafer) - KW900WLF

Physical Data

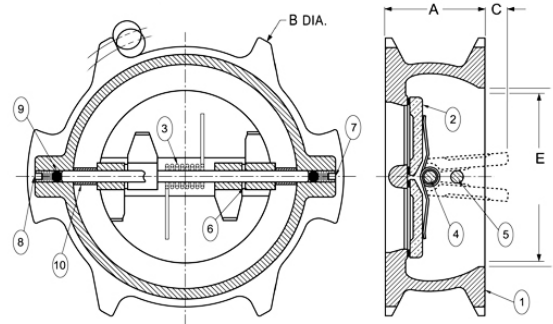
| Nominal Pipe Size | | Approvals | Dimensions (mm/inch) | | | | | Reference | | Weight (kg / lbs) |
|-------------------|--------|-----------|----------------------|------------|-------------|-------------|--------------|--------------|---------------|-------------------|
| Metric | inch | | A | B | C | D | E | Europe | Asia/America | |
| DN65 | 2 1/2" | FM, ULCUS | 60 / 2.4 | 152 / 6.0 | 3 / .125 | 89 / 3.50 | 33 / 1.313 | KW900W0250LF | KW900W-0250LF | 1.95 / 4.3 |
| DN80 | 3" | FM, ULCUS | 67 / 2.6 | 143 / 5.6 | 5 / .188 | 98 / 3.875 | 43 / 1.688 | KW900W0300LF | KW900W-0300LF | 2.77 / 6.1 |
| DN100 | 4" | FM, ULCUS | 67 / 2.6 | 197 / 7.8 | 16 / .625 | 121 / 4.75 | 78 / 3.063 | KW900W0400LF | KW900W-0400LF | 3.99 / 8.8 |
| DN125 | 5" | FM, ULCUS | 83 / 3.3 | 192 / 7.6 | 21 / .813 | 140 / 5.50 | 92 / 3.625 | KW900W0500LF | KW900W-0500LF | 5.90 / 13.0 |
| DN150 | 6" | FM, ULCUS | 95 / 3.8 | 219 / 8.6 | 21 / .813 | 159 / 6.25 | 108 / 4.250 | KW900W0600LF | KW900W-0600LF | 8.16 / 18.0 |
| DN200 | 8" | FM, ULCUS | 127 / 5.0 | 311 / 12.3 | 25 / 1.000 | 203 / 8.00 | 140 / 5.500 | KW900W0800LF | KW900W-0800LF | 16.78 / 37.0 |
| DN250 | 10" | FM, ULCUS | 140 / 5.5 | 375 / 14.8 | 54 / 2.125 | 257 / 10.12 | 216 / 8.500 | KW900W1000LF | KW900W-1000LF | 29.5 / 65.0 |
| DN300 | 12" | FM, ULCUS | 181 / 7.1 | 441 / 17.4 | 49 / 1.938 | 305 / 12.00 | 235 / 9.250 | KW900W1200LF | KW900W-1200LF | 42.6 / 94.0 |
| DN350 | 14" | FM* | 184 / 7.3 | 451 / 17.8 | 83 / 3.250 | -- | 330 / 13.000 | KW900W1400LF | KW900W-1400LF | 90.8 / 200.0 |
| DN400 | 16" | FM* | 191 / 7.5 | 514 / 20.3 | 114 / 4.500 | -- | 381 / 15.000 | KW900W1600LF | KW900W-1600LF | 129.0 / 285.0 |

* 13.8 bar (200 psi)

KW900WLF

Materials List

| Item | Description | Material | Specification |
|------|----------------------|-----------------|--|
| 1 | Body - 2 1/2" - 12" | Ductile Iron | ASTM A536, Grade 65-45-12 |
| | Body - 14" - 16" | Cast Iron | ASTM 126, Class B w/Buna-N (Nitrile) resilient seat molded to body |
| 2 | Disc | Bronze | ASTM B584 Alloy C87600 |
| 3 | Torsion Spring | Stainless Steel | Commercial |
| 4 | Hinge Pin | Stainless Steel | Commercial |
| 5 | Stop Pin | Stainless Steel | Commercial |
| 6 | Thrust Bearing | Stainless Steel | Commercial |
| 7 | Hinge Pin Retainer | Steel | Commercial |
| 8 | Stop Pin Retainer | Steel | Commercial |
| 9 | Stabilization Sphere | Buna-N | Commercial |
| 10 | Spacer | Stainless Steel | ASTM A276 UNS S31600 |



NOTE: Twin Disc Check Valves can be installed horizontally or in the vertical position with flow up.
CAUTION: For horizontal flow applications, the valve must be installed with disc hinge pin in the vertical position to insure proper operation.
NOTE: On pump discharge, the preferred check valves are in-line spring loaded, swing design with lever and weight or lever and spring.

WARNING:

1. These are not to be used as steam valves.
2. Valves are not to be used near a reciprocating air compressor.
3. Install 5 pipe diameters minimum downstream from pump discharge or elbows to avoid flow turbulence. Flow straighteners may be required in extreme cases.