



Double Door Silent Check Valve (Grooved) - Lead Free

KG900WLF

Technical Features

- **Sizes available (Nominal) :** DN65/2½", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10" & DN300/12"
- **Pressure data :**
Working pressure: 17.2 bar (250 psi)
- **Temperature data :**
Maximum temperature: to 82°C (180°F) @ 15 bar (220 psi)
- **Seat type :** Resilient rubber type.
- **Connections :** Grooved connections conforms to ANSI/AWWA C606 for steel IPS pipe.
- **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.



Check Valves

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Physical Data

Nominal Pipe Size		Dimensions (mm/inch)				Reference		Weight (kg / lbs)
Metric	inch	A	B	C	D	Europe	Asia/America	
DN65	2½"	125 / 4.91	124 / 4.88	73 / 2.88	61 / 2.41	KG900W0250LF	KG900W-0250LF	2.04 / 4.50
DN80	3"	135 / 5.31	137 / 5.38	89 / 3.50	75 / 2.94	KG900W0300LF	KG900W-0300LF	3.31 / 7.30
DN100	4"	137 / 5.38	152 / 6.00	114 / 4.50	99 / 3.91	KG900W0400LF	KG900W-0400LF	3.90 / 8.60
DN125	5"	145 / 5.72	179 / 7.06	141 / 5.56	124 / 4.89	KG900W0500LF	KG900W-0500LF	5.90 / 13.00
DN150	6"	152 / 6.00	206 / 8.13	168 / 6.63	150 / 5.92	KG900W0600LF	KG900W-0600LF	8.17 / 18.0 0
DN200	8"	171 / 6.72	255 / 10.03	219 / 8.63	201 / 7.91	KG900W0800LF	KG900W-0800LF	13.60 / 30.00
DN250	10"	198 / 7.78	314 / 12.38	273 / 10.75	254 / 10.00	KG900W1000LF	KG900W-1000LF	25.40 / 56.00
DN300	12"	208 / 8.19	365 / 14.38	324 / 12.75	303 / 11.94	KG900W1200LF	KG900W-1200LF	36.70 / 81.80

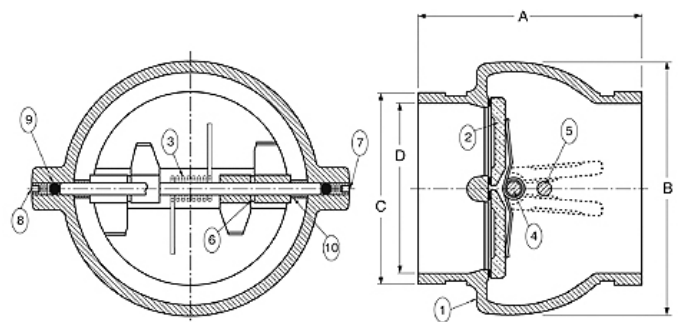
Grooved dimensions conform to ANSI/AWWA specifications C606 Table 4 (Cut Groove Dimensions)

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Materials List

Item	Description	Material	Specification
1	Body	Ductile Iron	ASTM A536, Grade 65-45-12 w/Buna-N (Nitrile) resilient seat molded to body
2	Disc	Bronze	ASTM B584 Alloy C87600
3	Torsion Spring	Stainless Steel	T316 ASTM A313
4	Disc Hinge Pin	Stainless Steel	T316 ASTM A276
5	Disc Stop Pin	Stainless Steel	T316 ASTM A276
6	Disc Thrust Bearing	Stainless Steel	T316 ASTM A240
7	Hinge Pin Retainer	Steel	Commercial
8	Stop Pin Retainer	Steel	Commercial
9	Stabilization Sphere	Buna-N	Commercial
10	Spacer	Stainless Steel	T316 ASTM A276

Sizes 10" & 12" come with a lifting eyebolt



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,

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.