

Lead-Free 250 PSI WWP Iron Body Check Valves

Fire Protection Valve • UL listed FM Approved

Double-Door • Wafer Style • Rubber Seat • Spring Actuated

CERTIFIED LEAD-FREE BY WQA TO NSF/ANSI 372 UL/ULC LISTED • FM APPROVED*

MATERIAL LIST								
PART		SPECIFICATION						
1.	Body	Ductile Iron ASTM A536, Grade 65-45-12 - 2½" thru 12" 14" thru 16" Cast Iron ASTM 126, Class B w/ Buna-N (Nitrile) resilient seat molded to body						
2.	Disc	Bronze ASTM B584 Alloy C87600 (2½" - 12") Aluminum Bronze ASTM B148, C95200 (14"-16")						
3.	Torsion Spring	Stainless Steel UNS 31600 ASTM A313						
4.	Hinge Pin	Stainless Steel UNS 31600 ASTM A276						
5.	Stop Pin	Stainless Steel UNS 31600 ASTM A276						
6.	Thrust Bearing	Stainless Steel UNS 31600 ASTM A240						
7.	Hinge Pin Retainer	Stainless Steel UNS 31600						
8.	Stop Pin Retainer	Stainless Steel UNS 31600						
9.	Stabilization Sphere	Buna-N						
10.	Spacer	Stainless Steel UNS S31600 ASTM A276						



KW-900-W-LF Wafer Style 2¹/2" - 12" (excluding 5" & 6")

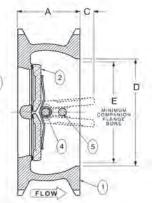


LEAD-FREE





BUICASS 128 BOLT CRICE BUICASS 128 BUICASS



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. **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.

NOTE: On pump discharge, the preferred check valves are in-line spring loaded.

DIMENSIONS—WEIGHTS—QUANTITIES

		Dimensions				
Α	В	C	D	E		Weight
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	C/V	Lbs. Kg.
2.38 60	6.00 152	.125 3	3.50 89	1.313 33	108	4.3 1.95
2.63 67	5.63 143	.188 5	3.875 98	1.688 43	178	6.1 2.77
2.63 67	7.75 197	.625 16	4.75 121	3.063 78	440	8.8 3.99
3.25 83	7.56 192	.813 21	5.50 140	3.625 92	560	13.0 5.90
3.75 95	8.63 219	.813 21	6.25 159	4.250 108	840	18.0 8.16
5.00 127	12.25 311	1.000 25	8.00 203	5.500 140	1600	37.0 16.78
5.50 140	14.75 375	2.060 54	10.25 257	8.500 216	2700	65.0 29.48
7.13 181	17.38 441	1.938 49	12.00 305	9.250 235	4700	94.0 42.64
7.25 184	17.75 451	3.250 83	14.38 —	12.500 330	5200	200.0 90.75
7.50 191	20.25 514	4.500 114	16.38 —	15.000 381	7200	285.0 129.28
	In. mm. 2.38 60 2.63 67 2.63 67 3.25 83 3.75 95 5.00 127 5.50 140 7.13 181 7.25 184	In. mm. In. mm. 2.38 60 6.00 152 2.63 67 5.63 143 2.63 67 7.75 197 3.25 83 7.56 192 3.75 95 8.63 219 5.00 127 12.25 311 5.50 140 14.75 375 7.13 181 17.38 441 7.25 184 17.75 451 7.50 191 20.25 514	A B C In. mm. In. mm. 2.38 60 6.00 152 .125 3 2.63 67 5.63 143 .188 5 2.63 67 7.75 197 .625 16 3.25 83 7.56 192 .813 21 3.75 95 8.63 219 .813 21 5.00 127 12.25 311 1.000 25 5.50 140 14.75 375 2.060 54 7.13 181 17.38 441 1.938 49 7.25 184 17.75 451 3.250 83 7.50 191 20.25 514 4.500 114	A B C D In. mm. In. mm. In. mm. 2.38 60 6.00 152 .125 3 3.50 89 2.63 67 5.63 143 .188 5 3.875 98 2.63 67 7.75 197 .625 16 4.75 121 3.25 83 7.56 192 .813 2.1 6.25 140 3.75 95 8.63 219 .813 2.1 6.25 159 5.00 127 12.25 311 1.000 25 8.00 203 5.50 140 14.75 375 2.060 54 10.25 257 7.13 181 17.38 441 1.938 49 12.00 305 7.25 184 17.75 451 3.250 83 14.38 - 7.50 191 20.25 514<	A B C D E In. mm. In. mm. In. mm. In. mm. In. mm. In. mm. 2.38 60 6.00 152 .125 3 3.50 89 1.313 33 2.63 67 5.63 143 .188 5 3.875 98 1.688 43 2.63 67 7.75 197 .625 16 4.75 121 3.063 78 3.25 83 7.56 192 .813 2.1 5.50 140 3.625 92 3.75 95 8.63 219 .813 2.1 6.25 159 4.250 108 5.00 127 12.25 311 1.000 25 8.00 203 5.500 140 5.50 140 14.75 375 2.060 54 10.25 257 8.500 216 7.13 181 17.38 441 1.938 <	A B C D E In. mm. In. mm. In. mm. In. mm. In. mm. In. mm. C/V 2.38 60 6.00 152 .125 3 3.50 89 1.313 33 108 2.63 67 5.63 143 .188 5 3.875 98 1.688 43 178 2.63 67 7.75 197 .625 16 4.75 121 3.063 78 440 3.25 83 7.56 192 .813 21 5.50 140 3.625 92 560 3.75 95 8.63 219 .813 21 6.25 159 4.250 108 840 5.00 127 12.25 311 1.000 25 8.00 203 5.500 140 1600 5.50 140 14.75 375 2.060 54 10.25 257 8.500 2

*Note: 14" and 16" sizes, 150 PSI WWP, FM approved only – P.O.A.

Features

- Spring loaded for fast closure, eliminating reverse flow slam and water hammer.
- Easily installed, with gasket, between standard class 125 flanges.
- Only one set of flange studs is needed.

• May be installed in both horizontal and vertical lines with upward flow. *Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.

Visit our website for the most current information.

Drawing for sizes 2½" thru 12"

KW-900-W-LF Wafer



KW-900-W-LF Wafer Style Body Style 5", 6", 14" & 16"

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

LEAD-FREE: Weighted average lead content <0.25%

NIBCO INC. WORLD HEADQUARTERS • 1516 MIDDLEBURY ST. • ELKHART, IN 46516-4740 • USA • PH: 1.800.234.0227 TECH SERVICES PH: 1.888.446.4226 • FAX: 1.888.336.4226 • INTERNATIONAL OFFICE PH: +1.574.295.3327 • FAX: +1.574.295.3455