

SILENT CHECK VALVE

BRAND NAME : **NIBCO**
MODEL : **W-910-LF**
SIZE : **2"- 6" (DUAL CLASS RATING 125 LB. AND 250 LB.)**
CLASS 125, 200 PSI. / FM APPROVED
CLASS 250, 400 PSI
8" - 10" CLASS 125, 200 PSI. / FM APPROVED
CONNECTION : **WAFER TYPE**

MATERIAL OF CONSTRUCTION

BODY : **CAST IRON**
SEAT : **BRONZE**
SPRING : **STAINLESS STEEL TYPE 316**
BUSHING : **ASTM B 16**
SET SCREWS : **STAINLESS STEEL TYPE 304**

Lead-Free* Class 125/250 Iron Body Silent Check Valves

Wafer Style • Renewable Seat and Disc • Spring Actuated (1/2 PSI Cracking Pressure)

Class 125, 200 PSI/13.8 Bar Non-Shock Cold Working Pressure

Class 250, 400 PSI/27.6 Bar Non-Shock Cold Working Pressure

Maximum Temperature to 200° F/93° C

CERTIFIED LEAD-FREE* BY WQA TO NSF/ANSI 372
CONFORMS TO MSS SP-125 • **FM APPROVED**
W910-B-LF — 2" thru 10" ONLY

MATERIAL LIST

PART	SPECIFICATION
1. Body	Cast Iron ASTM 126 Class B
2. Seat	Bronze ASTM B584 Alloy C87600 (B)
2a. Seat	Buna-N Bonded to Bronze (W)
3. Disc	Bronze ASTM B584 Alloy C87600
4. Spring	Stainless Steel ASTM A313 UNS S31600
5. Bushing	Aluminum Bronze B505 C95400



C USA
COMPONENT LEAD-FREE

W-910-LF 125 lb. Class
W-960-LF 250 lb. Class

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions				W-910 Lbs. Kg.	W-960 Lbs. Kg.
	In.	mm.	In.	mm.		
*2	50	127	2.63	67	6	5
*2½	65	165	2.88	73	7	3
*3	80	203	3.13	79	12	5
*4	100	254	4.00	102	18	8
*5	125	318	4.63	117	27	12
*6	150	381	5.50	140	42	19
8	200	508	6.50	165	†85	39
10	250	635	8.25	210	†146	66

* NOTE: Sizes 2" thru 6" have dual class ratings (125 lb. and 250 lb.) resulting in W-910 and W-960 being identical. 8" and 10" have special machining in accordance with Flange Class.

† Class 125 only.

‡ Class 250 only.

USE THIS VALVE ONLY WITH FLAT FACE FLANGE AND FULL FACE GASKET

WARNING: 1. Seat end of valve must be mated to a standard flat faced metal flange. Rubber flanges not acceptable.

2. These are not to be used as steam valves.

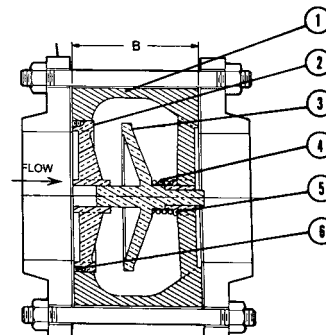
3. Valves are not to be used near a reciprocating air compressor.

4. Install 5 pipe diameters minimum downstream from pump discharge or elbows to avoid flow turbulence. Flow straighteners may be required in extreme cases.

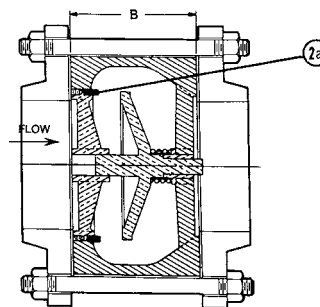
Note: On pump discharge, the preferred check valves are:

- inline, spring assisted, center-guided, lift checks
- spring assisted twin (double) disc
- swing design with lever and weight or lever and spring

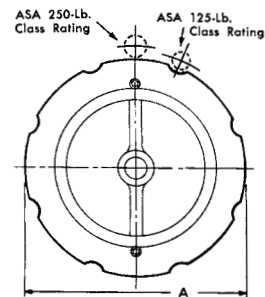
You should also install the check valve as far from the pump as possible and at a minimum length of 5 times the pipe diameter. Flow straighteners may be required.



W-910-B-LF/W-960-B-LF
Wafer



W-910-W-LF/W-960-W-LF
Wafer



W-910-B-LF/W-960-B-LF
Wafer