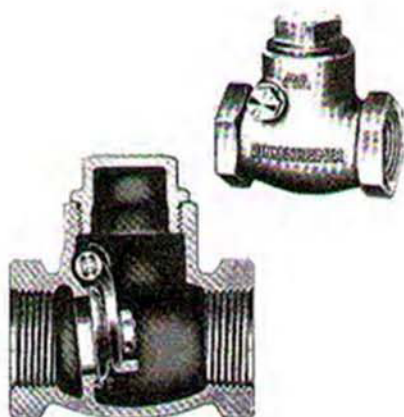


Class

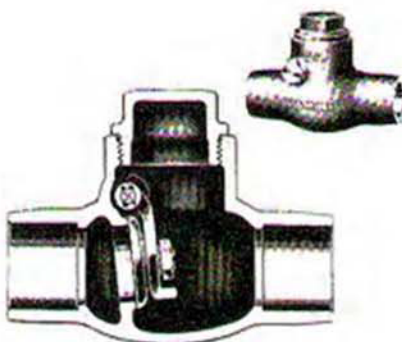
**125**

Lunkenheimer  
Bronze Check Valves

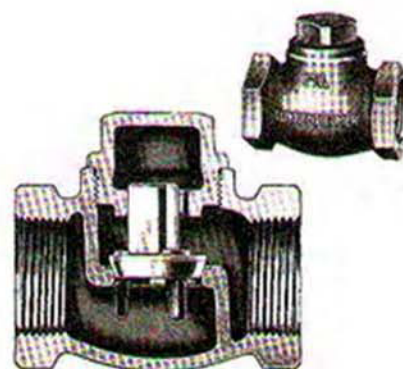
125 lb SP  
200 lb WOG  
Swing check, Lift check  
Screw end, Solder end



Swing check  
Fig 2144



Swing check  
Fig 2145



Horizontal lift check  
Fig 2142

Ruggedly designed for dependable operation of steam, water, oil, gas and other fluid-handling lines where full, free flow is required. Seats and discs are regrindable. Slight pressure differential is required to open or close disc. Because of flow characteristics, they are generally used in conjunction with gate valves. Function in either horizontal or vertical position.

**Discs** Renewable and regrindable. Attached to disc carrier by locknut allowing disc to swivel, insuring a tight seal. Open easily with very low differential pressures.

**Side plugs** Serve as bearings for disc carrier pins. Easy to replace.

**Seats** Integral and regrindable; precisely aligned for tight, dependable seating.

**Installation and maintenance** Seats and

discs may be reground through downstream pipe end.

**Bodies** Proportioned for maximum strength. Made of highest quality bronze for strength and corrosion resistance. Large clearances at ends of pipe threads permit tight joints without pipe ends jamming diaphragms, distorting seat, or choking flow.

**Caps** To prevent damage and leakage, the collar does not extend beyond the body neck. Wide flats for firm wrench grip. Strong threads for tight joints.

Ruggedly designed for dependable operation under conditions where pulsating action in line causes excessive wear in swing-type check valves. Discs are renewable. Because of flow characteristics, these valves are

generally used in conjunction with globe valves.

**Discs** Bronze Renewable. Are guided above and below seating faces by disc stem guides and bottom disc guide lugs. Disc cocking is prevented, assuring smooth, easy operation.

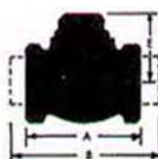
**Seats** Integral. Precision machined to fit tapered discs. Located directly below the top opening, they are easy to reach for maintenance.

**Maintenance** Worn seats may be trued-up with a valve reseating tool, or the valve may be removed from the line and the seat trued-up the lathe.

#### Principal Parts and Materials

Part	Fig	Material	ASTM
Body & Cap	All	T-1 Steam Bronze	B 62
Disc	All	T-1 Steam Bronze	B 62

These valves comply with ANSI B16.24 and MSS-SP-80



#### Dimensions in inches Weights in Pounds

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A	1 1/8	2	2 1/4	2 3/4	3 1/4	3 3/4	4 1/4	5	6	7
E	1 5/16	1 7/16	1 11/16	1 3/4	2 1/16	2 1/4	2 11/16	3 3/16	3 7/8	
Fig 2142 Wts	.4	.4	.7	1.1	1.5	2.5	3.5	6.0	10.5	16.0
A	—	2 1/8	2 5/16	2 13/16	3 1/4	3 3/8	4 1/4	5	6 1/4	7 1/8
B	—	—	3 3/16	3 15/16	4 3/16	5	5 9/16	6 9/16	—	—
E	—	1 1/2	1 5/8	1 31/32	2 11/32	2 7/8	2 7/8	3 7/16	3 15/16	4 1/16
Fig 2144 Wts	—	.5	.7	1.1	1.8	2.7	3.7	6.4	10.5	16.0
Fig 2145 Wts	—	—	.7	1.1	1.7	2.6	3.5	6.0	—	—