

Class

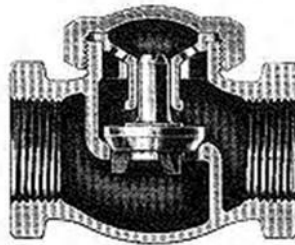
200

Lunkenheimer
Bronze Check Valves

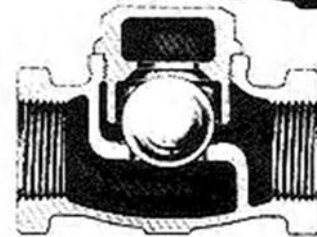
200 lb SP 550°F
400 lb WOG
Lift check, Ball check, Screw end



Vertical lift check
Fig 418



Horizontal check
Fig 414



Horizontal ball check
Fig 416

Ruggedly designed for non-return control where pulsating action is present in general service use. Seats are regrindable and discs are regrindable and replaceable. All parts are renewable. Generally used in connection with globe valves because of similarity of flow characteristics.

Discs Renewable, regrindable bronze; precisely guided above and below the seating faces to prevent cocking.

Seats Regrindable, integral seats are machined to precisely fit taper of discs.

Bodies Proportioned for maximum strength, full flow. Large clearances at ends of pipe threads permit tight joints without pipe ends jamming diaphragms, distorting seat, or

choking flow. Made of highest quality steam bronze to resist wear and corrosion.

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.

Installation and maintenance To facilitate removal for inspection or repair, vertical lift valves should be installed near a pipe union. Seating faces can be reground by removing cap and applying screwdriver to slot in stem. Ball Check Valves are ideal for handling of high viscosity fluids which tend to slow down the operation of other types of check valves.

Balls Stainless steel. Provide multiple seating contacts. Wear is evenly distributed over entire area.

Bodies Large flow area in body minimizes friction resistance. Metal distribution and thickness provide ample safety at maximum rated operating pressures. Large clearances at end of pipe threads permit tight pipe connections without danger of pipe ends jamming against diaphragms, distorting the seat or choking the flow.

Caps Wide flats for firm wrench grip. Strong threads for tight joints.

Seats Integral. Bronze.

Principal Parts and Materials

Part	Fig	Material	ASTM
Body & Cap	All	S-1 Steam Bronze	B 61
Disc	All	S-1 Steam Bronze	B 61

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

Principal Parts and Materials

Part	Fig	Material	ASTM
Body & Cap	All	S-1 Steam Bronze	B 61
Ball	All	Type 440 Stainless Steel	
Seat	All	S-1 Steam Bronze	B 61

Dimensions in inches Weights in Pounds

Size	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
A	1 19/32	2 1/32	2 1/8	2 7/16	2 15/16	3 11/32	3 7/8	4 5/16	5 1/4	6 7/8	7 3/16
E	1 3/16	1 1/8	1 1/8	1 5/16	1 5/8	1 3/4	2	2 1/4	2 5/8	3	3 1/2
Fig 414 Wts	.2	.4	.5	.6	1.3	2.0	3.0	4.3	7.1	12.0	17.0
A	-	1 5/8	2 7/32	2 19/32	3 5/32	3 3/4	4 9/32	4 25/32	5 29/32	-	-
E	-	1 1/8	1 1/16	1 1/4	1 5/8	1 7/8	2 1/8	2 1/16	2 15/16	-	-
Fig 416 Wts	-	.3	.5	.7	1.3	2.2	3.3	4.9	8.7	-	-
O	-	1 15/16	2 2/32	2 5/16	2 5/8	2 31/32	3 5/16	3 11/16	4 5/16	5	5 5/8
Fig 418 Wts	-	.3	.4	.6	.9	1.5	2.1	3.0	5.2	8.2	12.0

