



Horizontal lift check
Fig 413

Designed for the non return-control of a wide variety of fluids that donot attack bronze. For use under conditions where pulsating action in line causes excessive wear in swing-type valves. Discs are renewable and regrindable; seats are regrindable. Because of flow characteristics, these valves are generally used in conjunction with globe valves.

Discs Renewable, regrindable bronze discs made of the highest quality steam bronze for

excellent performance under high temperatures. Discs are guided above and below seating by disc stem guides and bottom disc guide lugs to prevent cocking.

Seats Regrindable, integral. Precision machined to fit taper of discs accurately. Can be reground without removing from line.

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 Screw over body necks; have long, powerful threads for tight connections. Wide flats for firm wrench grip.

Maintenance To regrind seats, remove cap and apply screwdriver to slot in top of disc stem. It is not necessary to remove the valve from the line.

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
A	2 1/4	2 7/16	2 23/32	3 3/8	3 3/4	4 9/32	4 7/8	5 7/8	7 1/16
E	1 1/4	1 1/4	1 7/16	1 7/8	2 1/16	2 1/4	2 9/16	2 15/16	3 7/16
Fig 413 Wts	.7	.8	1.0	2.1	3.0	4.4	5.9	11.0	17.5



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

