



Horizontal lift check  
Air compressor valve  
Fig 1616

Specially designed for severe operating conditions of air compressor service, but equally suited to many other air and gas line applications where there is frequent and rapid reversal of flow. All parts are renewable and machined to close tolerances.

**Discs** Renewable stainless steel discs afford maximum resistance to wear in extreme service. Line of contact on disc face is narrow for tight closing.

**Disc guides** Bronze. Prevent cocking. They

are sealed to the body with a 750° gasket material of selected Canadian asbestos fiber and compounded with a special binder. Design provides air-cushioning to reduce pounding.

**Bodies** Heavy walls for maximum strength and ample safety at maximum pressure rating. Full flow area is equal to connecting pipe. 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 for strength and resistance to wear.

**Caps** Extremely strong, anchoring disc guide in perfect alignment with disc travel. Wide flats for firm range grip. Strong threads for tight joints.

**Maintenance** To maintain the air-cushioning effect of the disc guide, remove the cap and keep the interior of the disc well-oiled.

Dimensions in inches Weights in Pounds

Size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
A	2 1/31	2 1/8	2 7/16	2 15/16	2 11/32	3 7/8	4 5/16	5 1/4
E	1 1/16	1 1/16	1 3/16	1 1/2	1 5/8	1 7/8	2 1/16	2 7/16
Fig 1616 Wts	.4	.4	.7	1.4	2.0	3.1	4.8	7.7



Principal Parts and Materials

Part	Fig Material	ASTM
Body & Cap	All S-1 Steam Bronze	B 61
Disc	All Stainless Steel (No. 303)	A 276
Disc Guide	All Sten alloy, Rod (C69700)	B 371

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

