

Eshteal Arak Industrial Engineering Company is the only manufacturer of high-capacity rotary cup burners in the country, and these burners are used by all boiler companies in the country. Among the unique products produced by this company are power valves that are designed for saturated and superheated steam lines. This product was produced for the first time in the country in 2014 in the Mobarake steel complex and at a pressure of 70 bar. It has been used successfully. Eshteal Arak Industrial Engineering Company has been modernizing its production lines since 2003 and is currently equipped with more than 98 machines, 61 of which are CNC lathes and milling centers (referred to at the end), stepped into the field of producing products with modern sophisticated technology. It should be mentioned that this company has succeeded in obtaining the knowledge-based badge on burners and valves during two consecutive periods, and in order to enhance the brand and satisfy customers, the necessary standards such as ISIRI 7595, ISIRI 7594, ISO 3834, ISO 9001:2015 and implemented 5S

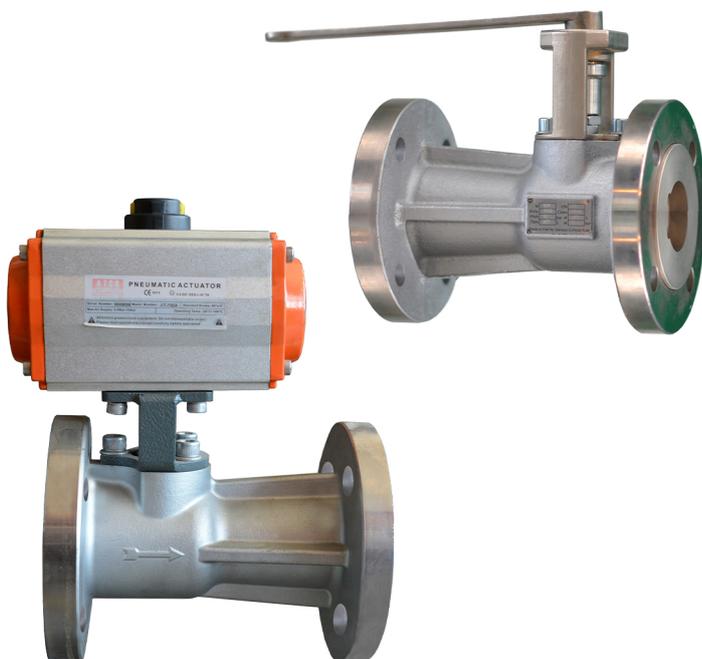


This valve is a carbon steel ball valve with a stainless-steel ball, adaptor and housing, and reinforced PTFE seats designed for boiler blowdown applications.

Cast iron for up to 10 bar rating and Bronze Gunmetal for 20 bar rating

This valve is available in the size of 1", 1 1/4", 1 1/2", 2"

Key Operated Boiler Blowdown valve



ESHTEAL ARAK

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Key Operated Boiler Blowdown Valve

Type BV 20

Description

The key operated boiler blowdown valve consists of a carbon steel ball valve with reinforced PTFE seats and a key operated mechanism in stainless steel. The key cannot be removed when the valve is open, to ensure compliance with boiler regulations. This valve is available in automatic and manual versions.



Applications

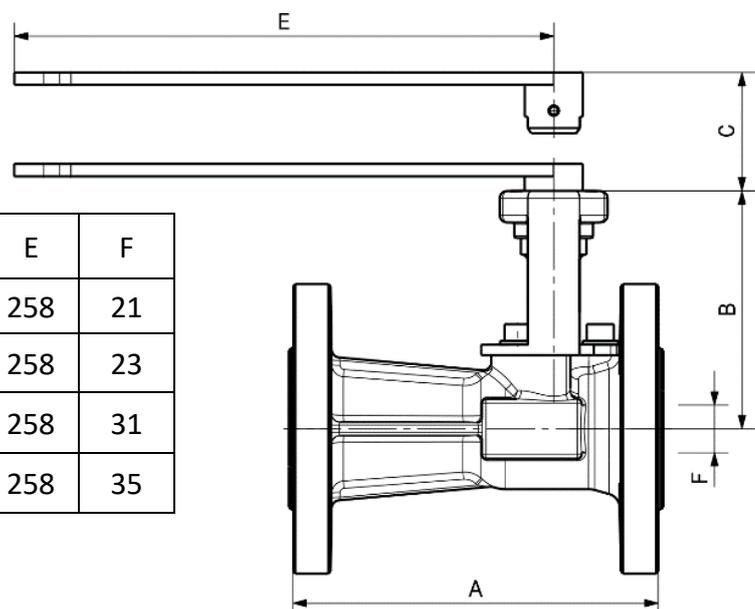
The valve is specifically designed for boiler blowdown applications. The BV 20 is designed for the removal of suspended/deposited solids and water from the bottom of steam boilers.

Size and Pipe Connections

Flange standard (BS EN 1092, PN40)

Dimensions (approx.) in mm

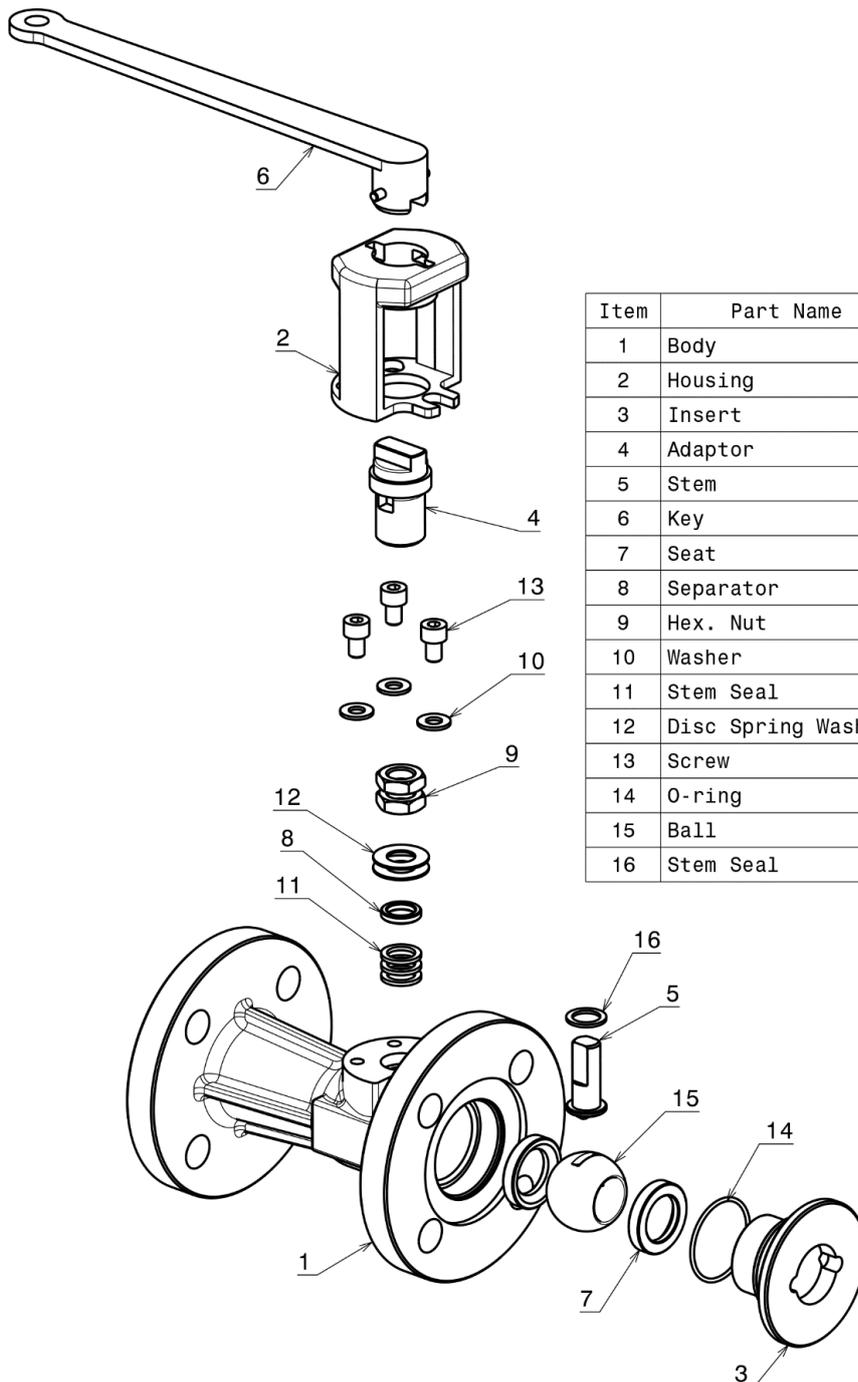
Size	A	B	C	E	F
1" DN25	165	114	35	258	21
1 ¼" DN32	178	117	35	258	23
1 ½" DN40	190	126	35	258	31
2" DN50	216	134	35	258	35



Limiting Conditions

Max. allowable pressure	17.25 bar g at 208°C
Cold hydraulic test pressure	60 bar g
Seat leakage test	6 bar g (air under water)

Material



Item	Part Name	Material	QTY.
1	Body	ASTM A216 WCB	1
2	Housing	Stainless Steel	1
3	Insert	Alloy Steel	1
4	Adaptor	Stainless Steel	1
5	Stem	Stainless Steel	1
6	Key	Stainless Steel	1
7	Seat	PTFE	2
8	Separator	Stainless Steel	1
9	Hex. Nut	Steel	2
10	Washer	Steel	3
11	Stem Seal	PTFE	3
12	Disc Spring Washer	Stainless Steel	2
13	Screw	Steel	3
14	O-ring	Viton	1
15	Ball	Stainless Steel	1
16	Stem Seal	PTFE	1