

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



These valves are high capacity nozzle type safety valves and they meet the requirements of the ASME Boiler and Pressure Vessel Code, Section I

Steam Safety Valve



ESHTEAL ARAK

INDUSTRIAL ENGINEERING CO.
Manufacturer of burners, valves
and precision tools for steam boilers

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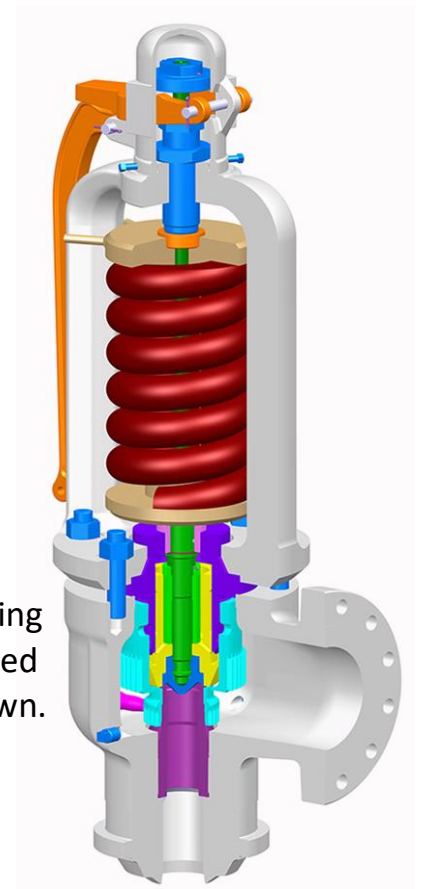
Steam Safety Valve

Type HE

Description

Style HE safety valve is high pressure, high capacity Reaction type valve, It incorporates the unique patented eductor control that permits the valve to attain full capacity lift at a pressure 3% above popping pressure in accordance with the requirements of Section I of the ASME Boiler and Pressure Vessel Code.

HE advanced trim design has the backpressure assist closing feature and patented Eductor Control, eliminating the need for complex adjustment to obtain Code required blowdown.



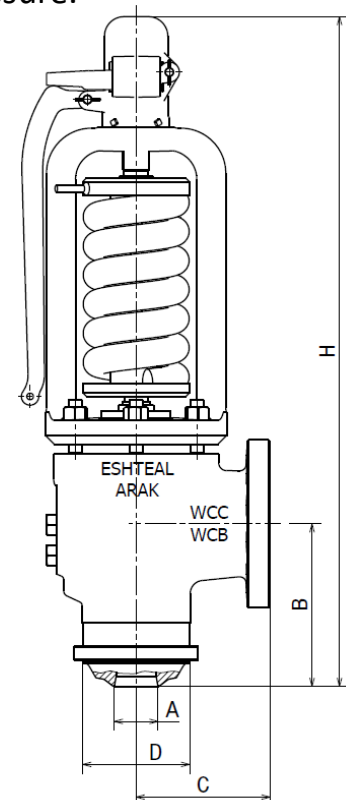
Applications

designed specifically for saturated steam service on boiler drums having design pressures above 2000 psig [138 barg] up to critical pressure.

Dimensions and pipe connections

Dimensions (approx.) in mm

Valve Type			HE - 96W	
Valve Size (inlet-orifice-outlet)			3 M2 6	
Orifice Area (cm ²)			25.65	
Connections (mm)			Butt Weld Inlet	76.2
			ANSI Class Flanged Outlet	6 in - 300
Dimensions	Inlet I.D.	A	76.2	
	Inlet O.D.	D	203	
	Center to face of	Inlet	B	305
		Outlet	C	254
	Height	H	1270	



Material

Item	Part Name	Material
1	Body	Carbon steel
2	Bonnet	Carbon steel
3	Cap	Carbon steel
4	Nozzle	Stainless steel
5	Hand lever	Carbon steel
6	Forked lever	Carbon steel
7	Disc holder	Nickel alloy
8	Nozzle ring	Stainless steel
9	Guide ring	Stainless steel
10	Guide	Nickel alloy
11	Disc holder retaining nut	Stainless steel
12	Piston	Nickel alloy
13	Adjusting screw nut	steel
14	Disc insert	Inconel
15	Spindle nut	steel
16	Bottom spring washer	Steel
17	Bearing adapter	Alloy steel
18	Top spring washer	Steel
19	Top spring washer pin	Steel
20	Thrust bearing	Steel
21	Spring	Alloy steel
22	Spindle assembly	Stainless steel
23	Guide Ring Set Screw	Stainless steel
24	Adjusting screw	Stainless steel
25	Nozzle Ring Set Screw	Stainless steel

