

Eshtear 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. Eshtear 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

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and precision tools for steam boilers

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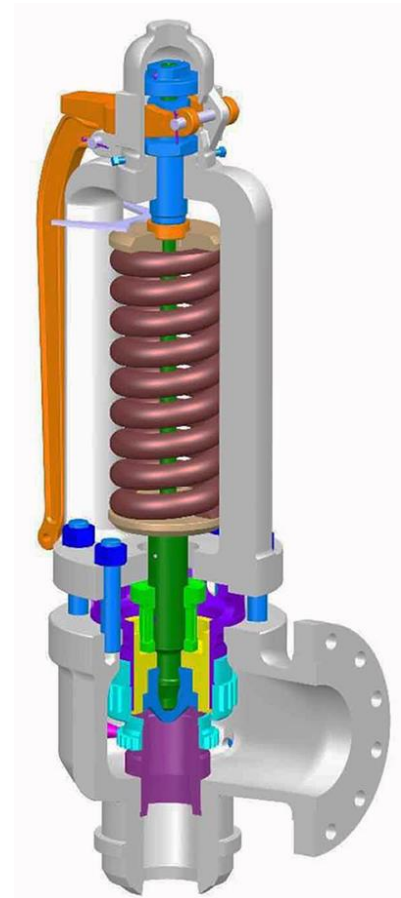
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## Steam Safety Valve

Type HCI (38 bar)

### Description

Style HCI is a high capacity nozzle type safety valve and It meets the requirements of the ASME Boiler and Pressure Vessel Code, Section I, Power Boilers, and Section VIII, Unfired Pressure Vessels The adjustable nozzle and guide rings utilize the reactive and expansive forces of the flowing steam to provide full capacity lift. The open bonnet exposes the spring to atmosphere, minimizing thermal effects welded inlets and flanged outlets are the standard connections



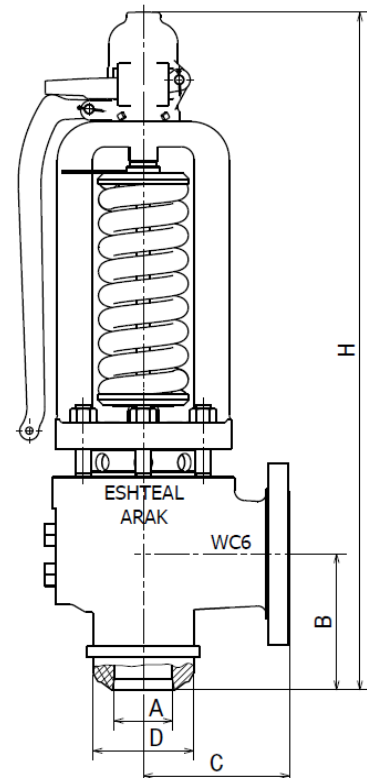
### Applications

Style HCI is a safety valve for saturated and superheated steam service.

### Dimensions and pipe connections

Dimensions (approx.) in mm

Valve Type			HCI - 58W	
Valve Size (inlet-orifice-outlet)			4 P2 6	
Orifice Area ( cm <sup>2</sup> )			45.61	
Connections ( mm )			Butt Weld Inlet	101.6
			ANSI Class Flanged Outlet	6 in - 300
Dimensions	Inlet I.D.	A	101.6	
	Inlet O.D.	D	174.6	
	Center to face of	Inlet	B	238
		Outlet	C	254
	Height	H	1170	



## Material

Item	Part Name	Material
1	Body	Alloy steel
2	Bonnet	Alloy 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	Adjusting screw nut	Stainless steel
13	Spindle assembly	Stainless steel
14	Disc insert	Inconel
15	Spindle nut	Stainless steel
16	Bottom spring washer	Steel
17	Bearing adapter	Alloy steel
18	Top spring washer	Steel
19	Top spring washer pin	Steel
20	Adjusting screw	Stainless steel
21	Spring	Alloy steel
22	Nozzle Ring Set Screw	Stainless steel
23	Guide Ring Set Screw	Stainless steel

