

Ref. : CSA6744SW

Rev. : Initial

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# FORGED BALL TYPE CHECK VALVE 800LBS

## CSA6744SW



### APPLICATION

General use: Petroleum industry, steam, high pressure.

### GENERAL CHARACTERISTICS

Standard port.  
Horizontal position only (respect the flow direction indicated by the arrow ).  
Easy maintenance thanks to the bolted bonnet.  
Forged stainless steel.  
½ stellite (Trim 10) standard stainless steel 316.  
800 lbs.

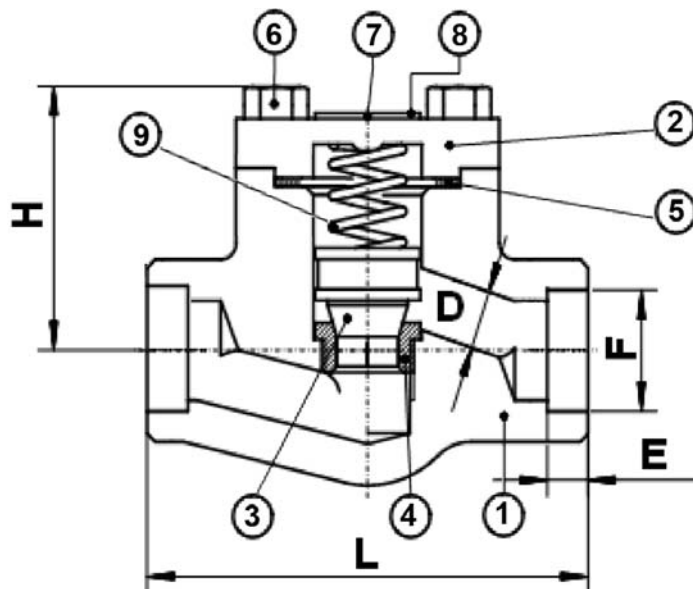


### CONSTRUCTION

9	Nameplate	Aluminium
8	Rivet	Carbon steel
7	Bolt	ASTM A193 B8
6	Ball guide	ASTM A479 type 316
5	Gasket	Stainless steel 316 + graphite spiral wound
4	Seat	ASTM A479 type 316
3	Ball	ASTM A182 F316
2	Bonnet	ASTM A182 F316
1	Body	ASTM A182 F316
<b>Pos.</b>	<b>Description</b>	<b>Material</b>

### DIMENSIONS

DN		L	H	ØD	E	ØF	Weight (kg)
mm	inch						
10	3/8"	80	53	7	11.1	17.6	1.3
15	1/2"	80	53	9	12.7	21.72	1.2
20	3/4"	90	60	13	14.5	27.05	1.4
25	1"	110	73	17.5	16	33.78	2.4
32	1"1/4	127	80	22.5	17.5	42.54	3.6
40	1"1/2	155	98	29.5	19	48.64	5.4
50	2"	170	118	35	22	61.11	8



### WORKING CONDITIONS

Maximum pressure : 138 bar.  
Maximum temperature : -29°C/+425°C.

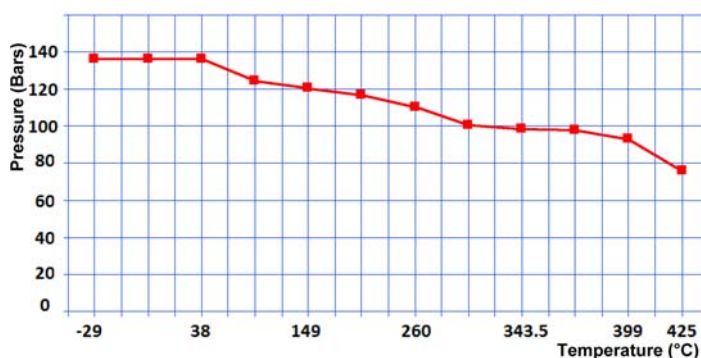
### STANDARDS

Fabrication according to **ISO 9001 : 2008**  
DIRECTIVE 2014/68/UE  
Risk category III module H  
Designing according to **ISO 15761** and **API 602** 8th  
Approval certificate **API 6D**  
Tests according to **API 598, table 6**  
Approval certificate Russian Federation **GOST-R**  
Check valves approved by the main oil industries  
ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22  
Socket welding (SW) connection.

### FLOW COEFFICIENT Kvs (m3/h)

DN	mm	10	15	20	25	32	40	50
	inch	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
<b>Kvs (m3/h)</b>		0.95	0.86	2.4	5.2	8.2	9.5	15.6

### PRESSURE / TEMPERATURE GRAPH



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