

**Forged Check Valves Class 150/300****Fig. R150RF & R300RF**

Size 1/2" - 2" (DN 15 - 50)

**FIG. R150RF**  
**FIG. R300RF**  
**CHECK VALVE**

BS5352, MSS SP 118 &amp; ASME B16.34

Connections according to:

ASME B16.5

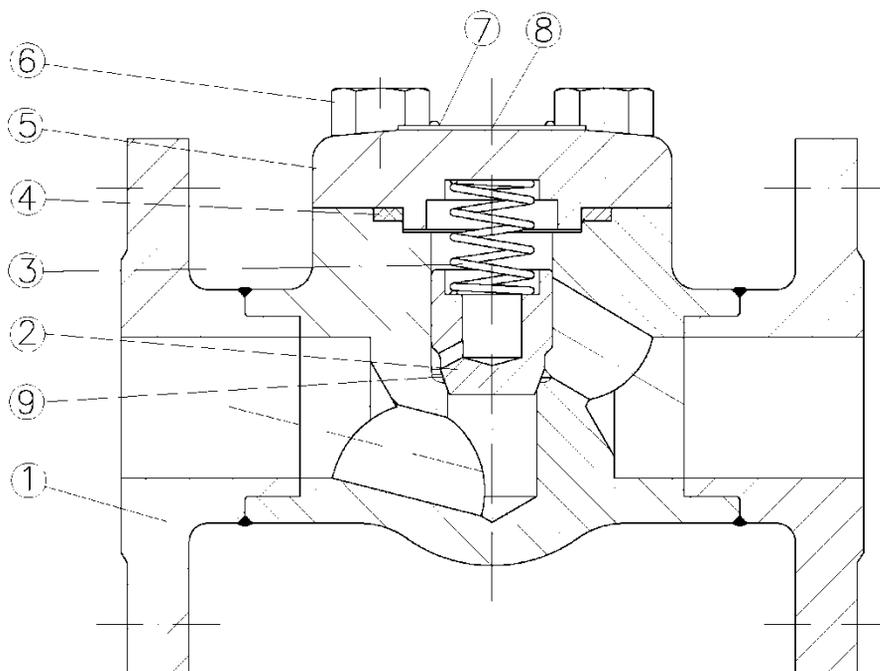


# Forged Check Valves Class 150/300

## Fig. R150RF & R300RF

### Parts and Materials

#### Parts and materials



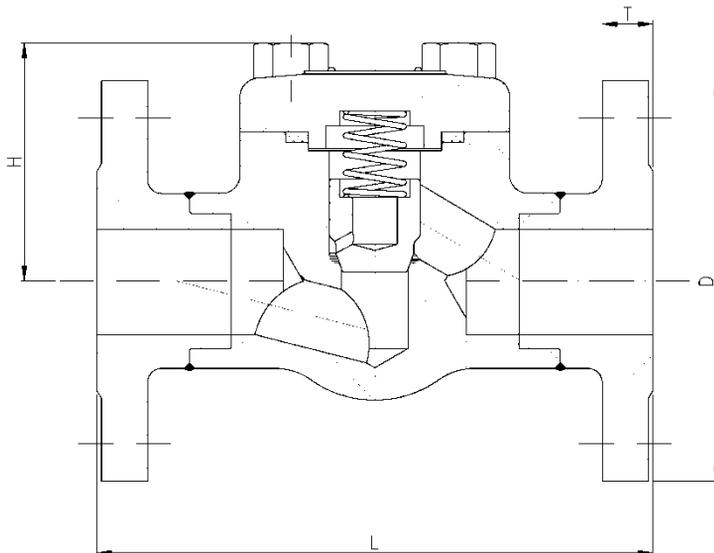
Item	Description	Material	
		Carbon Steel	Stainless Steel
1	Body	A 105N	A 182 F316L
2	Piston disc	A276 410 + STL	A 276 316
3	Spring	INCONEL X-750	
4	Gasket	AISI 316 + Graphite	AISI 316 + Graphite
5	Bonnet	A 105N	A 182 F316L
6	Bolt	A 193 B7M	A 193 B8M
7	Ribet	A182 F304	A 182 F316
8	Nameplate	Aluminium	
9	Seat	A 105N + STL	A 182 F316L + STL

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## Fig. R150RF & R300RF

### Dimensions

#### Dimensions



#### Series R150RF (Class 150)

SIZE	L	D	T	H	WEIGHT
½" (DN 15)	108	90	12	58	2,4
¾" (DN 20)	117	100	13,5	58	2,9
1" (DN 25)	127	110	15	75	4,5
1¼" (DN 32)	140	115	16,5	85	5,7
1½" (DN 40)	165	125	18,2	97	8,1
2" (DN 50)	203	150	19,8	108	12,2

(\*) Dimensions in mm and weight in kg.

#### Series R300RF (Class 300)

SIZE	L	D	T	H	WEIGHT
½" (DN 15)	152	95	15	58	3
¾" (DN 20)	178	115	16,5	58	4,1
1" (DN 25)	203	125	18,2	75	6,1
1¼" (DN 32)	216	135	19,8	85	8,3
1½" (DN 40)	229	155	21,5	97	10,9
2" (DN 50)	267	165	23	108	14,8

(\*) Dimensions in mm and weight in kg.

#### Note:

Dimensions not subject to International Standards can vary in  $\pm 10\%$ . ICP reserves the right to change those dimensions without notice, due to they do not affect integrity and performance of the valves.



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## Fig. R150RF & R300RF

### General Characteristics, KV, P&T Rating

GENERAL CHARACTERISTICS	Forged Check Valve	Fig. R800		
<b>DESIGN STANDARDS</b>				
Valves design	BS 5352	MSS SP 118	ASME B 16.34	
Connections	ANSI B 1.20.1	ANSI B 16.11		
Face to face dimensions	ASME B16,10			
<b>TESTS AND CERTIFICATES</b>	API 598			
Quality Assurance	ISO 9001			
Pressure testing	EN 12266-1			
Marking	EN 19			

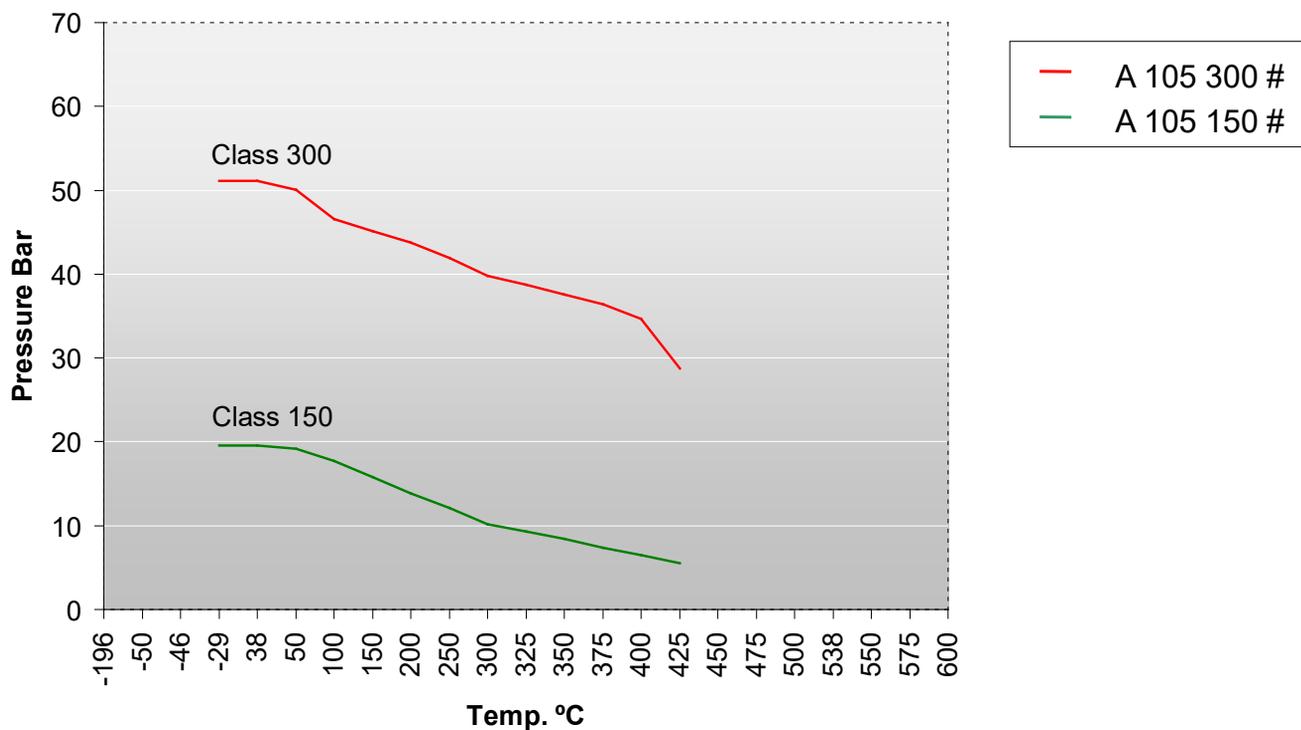
(\*) Welded flanges

#### Kv Values in m3/h

VALVE SIZE	Kv	VALVE SIZE	Kv
½" (DN 15)	1,9	1¼" (DN 32)	11,7
¾" (DN 20)	4,2	1½" (DN 40)	17,3
1" (DN 25)	6,2	2" (DN 50)	29

#### Pressure-Temperature

##### A105





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## Fig. R150RF & R300RF

General Characteristics, KV, P&T Rating

### Pressure-Temperature

A182 F316L

