



Forged Check Valves
Fig. R800 Class 800
Size ½" – 2" (DN 15 – 50)

PDS – JC-R800 Rev.0



FIG. R800

CHECK VALVE

BS5352, MSS SP 118 & ASME B16.34

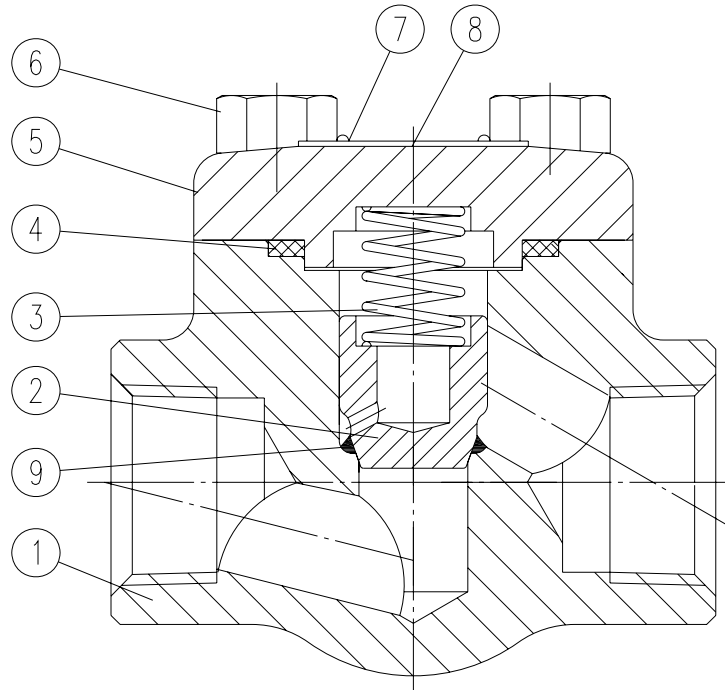
Connections according to:

ANSI B 1.20.1 (NPT)

ANSI B 16.11 (SW)



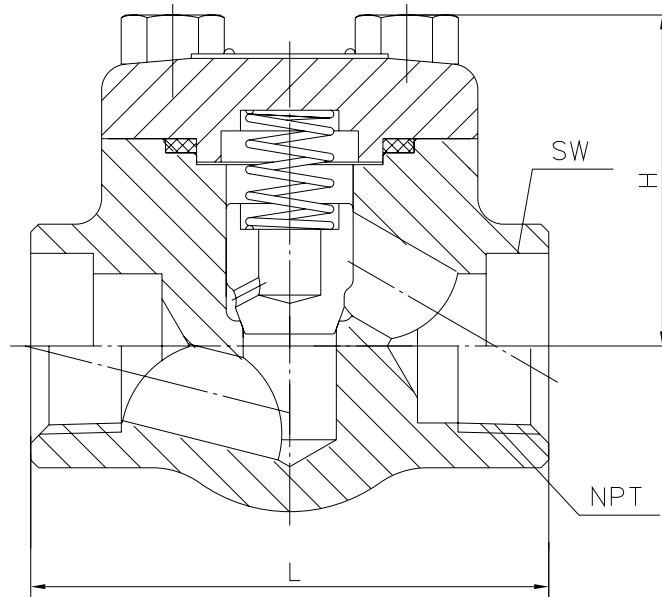
Parts and materials



Item	Description	Material	
		Carbon Steel	Stainless Steel
1	Body	A 105	A 182 F316L
2	Piston disc	A 276 420	A 182 F316L
3	Spring	17-4 PH	
4	Gasket	AISI 304 + Graphite	AISI 316 + Graphite
5	Bonnet	A 105	A 182 F316L
6	Bolt	A 193 B7	A 193 B8M
7	Ribet	A 182 F304	A 182 F316
8	Nameplate	Aluminium	
9	Seat	A 105 + STL	A 182 F316L + STL



Forged Check Valves Fig. R800 Class 800 Dimensions



Dimensions

SIZE	L	NPT	H
½" (DN 15)	73	½"	50
¾" (DN 20)	80	¾"	53
1" (DN 25)	100	1"	64
1¼" (DN 32)	114	1¼"	80
1½" (DN 40)	145	1½"	85
2" (DN 50)	160	2"	102

(*) Dimensions in mm.

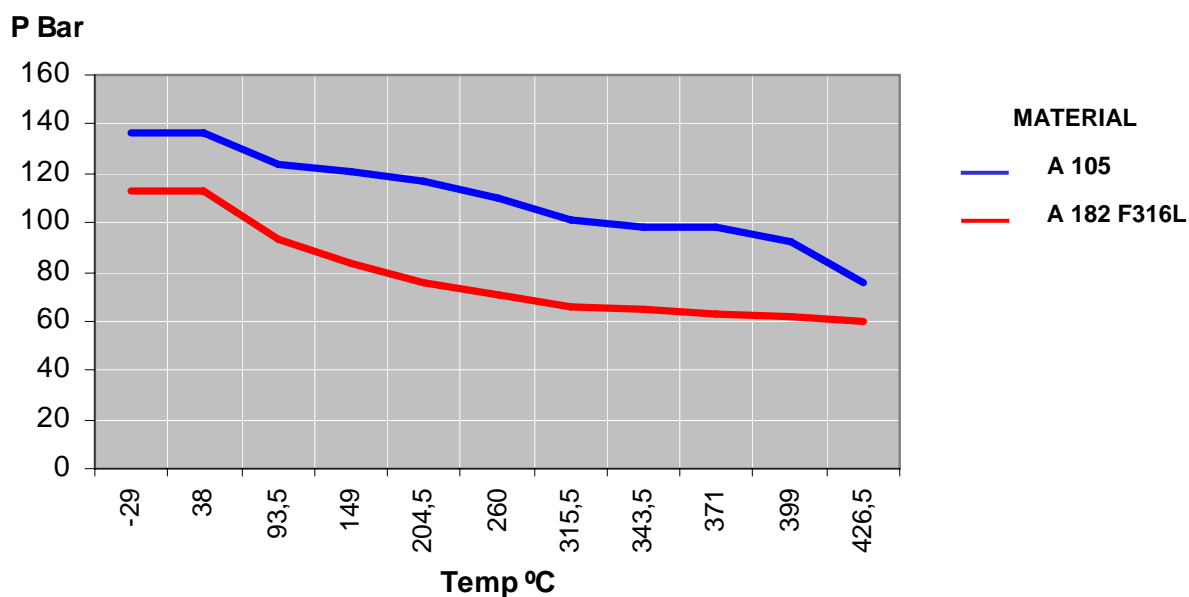


Forged Check Valves Class 800

General Characteristics, P&T Rating

GENERAL CHARACTERISTICS	Forged Check Valve	Fig. R800	
DESIGN STANDARDS			
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	Manufacturer's standard		
TESTS AND CERTIFICATES	API 598		
Quality Assurance	ISO 9001		
Pressure testing	EN 12266-1		
Marking	EN 19		

Pressure-Temperature





® Forged Check Valves
Class 150/300 DN 15 – 50 (1/2" – 2")



Fig. R150RF
Fig. R300RF
CHECK VALVE

BS5352, MSS SP 118 & ASME B16.34

Connections according to:

ASME B16.5

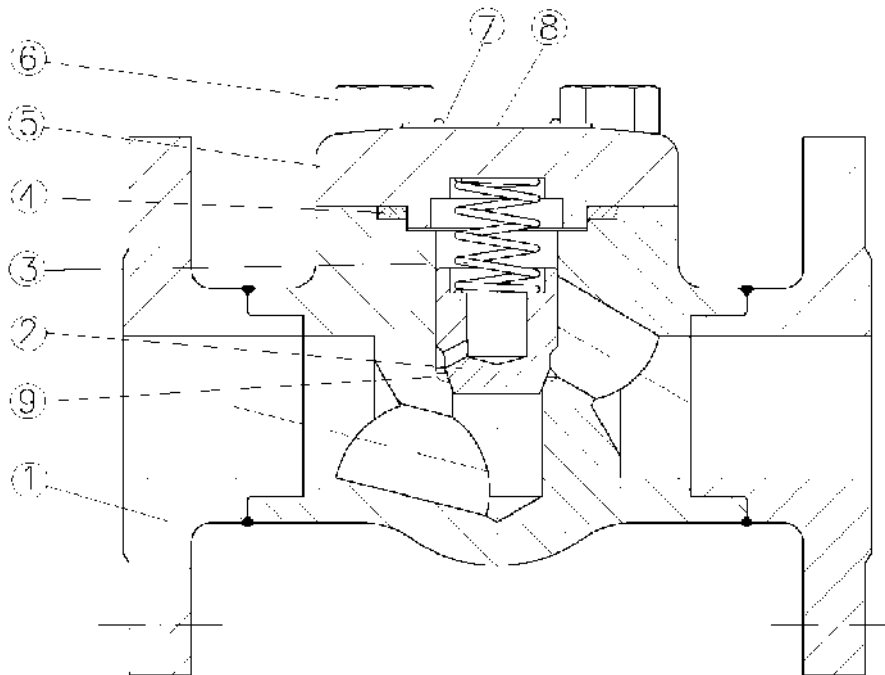


JC[®] Forged Check Valves

Class 150/300

Parts and Materials

Parts and materials



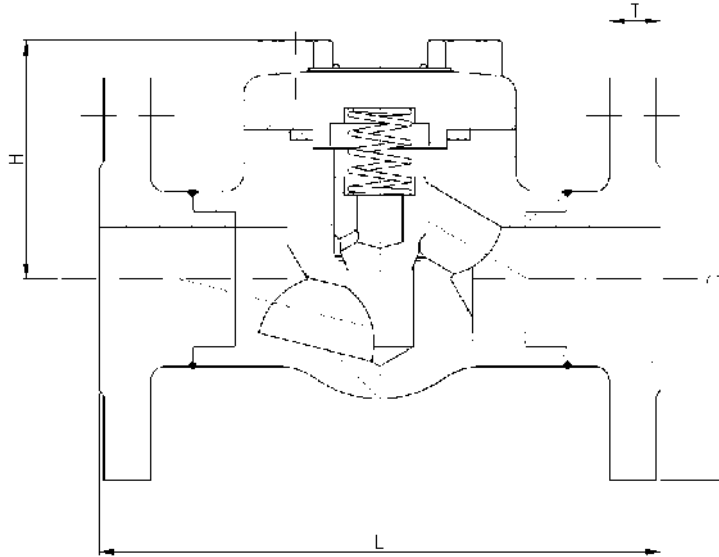
Item	Description	Material	
		Carbon Steel	Stainless Steel
1	Body	A 105	A 182 F316L
2	Piston disc	A 276 420	A 182 F316L
3	Spring	17-4 PH	
4	Gasket	AISI 304 + Graphite	AISI 316 + Graphite
5	Bonnet	A 105	A 182 F316L
6	Bolt	A 193 B7	A 193 B8M
7	Ribet	A 182 F304	A 182 F316
8	Nameplate	Aluminium	
9	Seat	A 105 + STL	A 182 F316L + STL

JC[®] Forged Check Valves

Class 150/300

Dimensions

Dimensions



Series R150RF (Class 150)

SIZE	L	D	T	H	WEIGHT
½" (DN 15)	108	89	11,5	61	2,7
¾" (DN 20)	117	98	13	61	3,4
1" (DN 25)	127	108	14,5	78	5
1¼" (DN 32)	140	118	16	84	6,1
1½" (DN 40)	165	127	17,5	103	8,7
2" (DN 50)	203	152	19,5	118	14,4

(*) Dimensions in mm and weight in kg.

Series R300RF (Class 300)

SIZE	L	D	T	H	WEIGHT
½" (DN 15)	152	95	14,5	61	4,2
¾" (DN 20)	178	118	16	61	5,6
1" (DN 25)	203	124	17,5	78	8,3
1¼" (DN 32)	216	133	19,5	84	13,1
1½" (DN 40)	229	156	21	103	14,2
2" (DN 50)	267	165	22,5	118	21,4

(*) 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.



Forged Check Valves Class 150/300

General Characteristics, KV, P&T Rating

GENERAL CHARACTERISTICS	Forged Check Valve	Fig. R800		
DESIGN STANDARDS				
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			
TESTS AND CERTIFICATES	API 598			
Quality Assurance	ISO 9001			
Pressure testing	EN 12266-1			
Marking	EN 19			

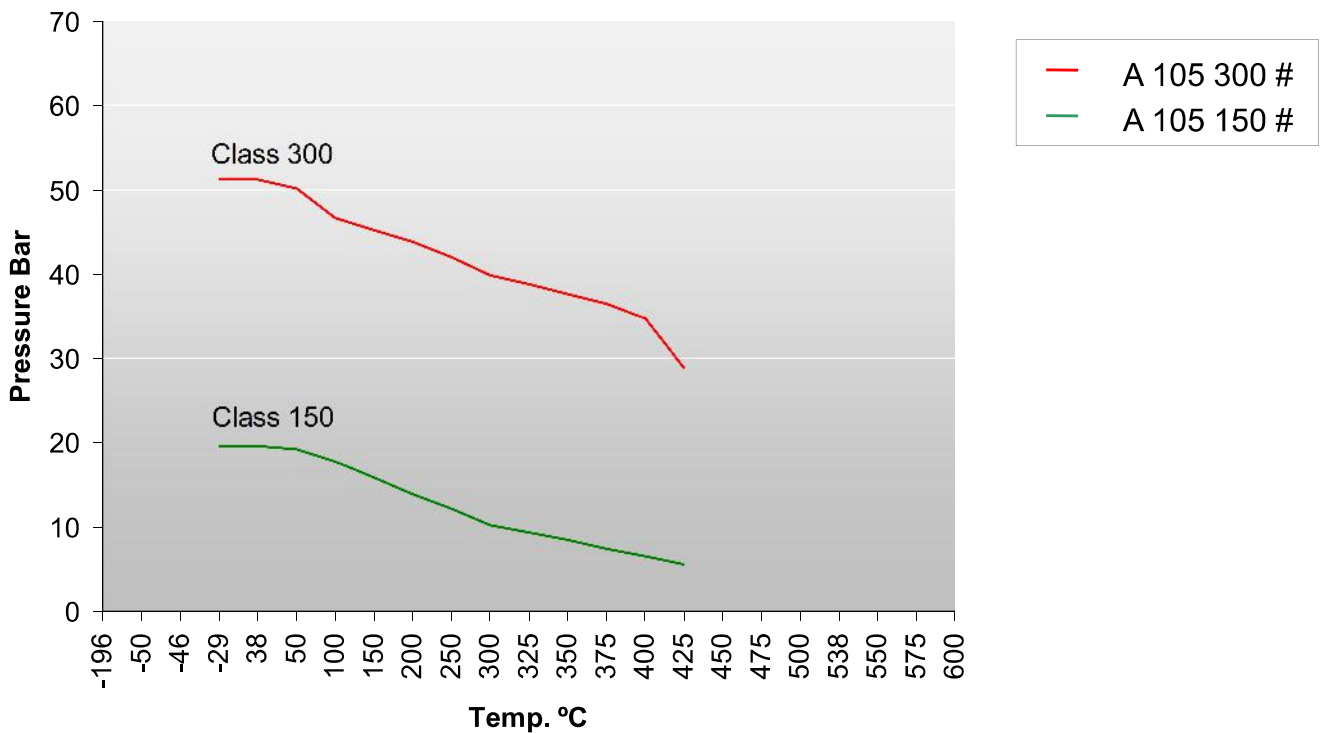
(*) Welded flanges

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





Forged Check Valves Class 150/300

General Characteristics, KV, P&T Rating

Pressure-Temperature

A182 F316L

