

Forged Gate Valves Class 150/300

Fig. C150RF & C300RF

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



FIG. C150RF FIG. C300RF GATE VALVE

API, MSS SP & ASME B16.34

Connections according to:

ASME B16.5

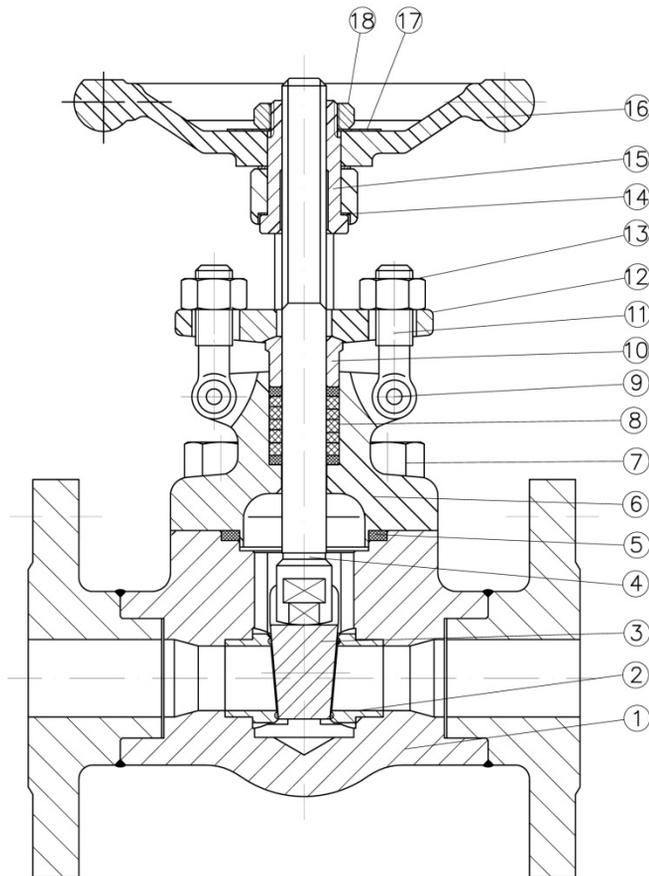


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Fig. C150RF & C300RF

Parts and Materials

Parts and materials



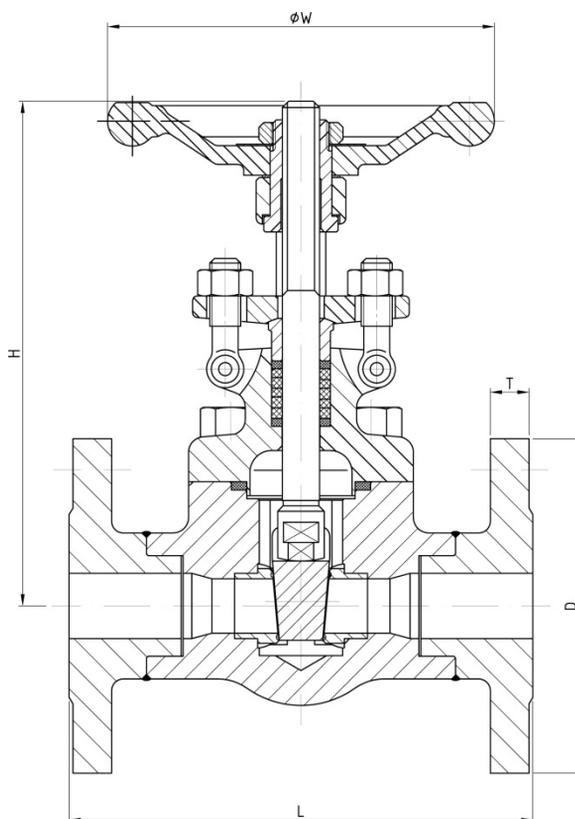
Item	Description	Material	
		Carbon Steel	Stainless Steel
1	Body	A 105N	A 182 F316L
2	Seat	A276 410 + STL	A276 316 + STL
3	Gate	A276 410 + STL	A276 316
4	Stem	A276 410	A276 316
5	Gasket	AISI 316 + Graphite	AISI 316 + Graphite
6	Bonnet	A 105N	A 182 F316L
7	Bolt	A 193 B7M	A 193 B8M
8	Packing	Graphite	
9	Pin	A276 304	A276 316
10	Packing Gland	A276 410	A276 316
11	Eye Bolt	A 193 B7M	A 193 B8M
12	Gland Flange	A 105N	A 182 F316
13	Hex Nut	A 194 2HM	A 194 8M
14	Washer	A276 410	
15	Yoke Nut	A276 410	
16	Handw heel	A 197	
17	Nameplate	Aluminium	
18	Hex Nut	A 194 2H	A 194 8

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Fig. C150RF & C300RF

Dimensions

Dimensions



Series C150RF (Class 150)

SIZE	L	D	T	W	H	WEIGHT
½" (DN 15)	108	90	12	100	157	3
¾" (DN 20)	117	100	13,5	100	157	3,6
1" (DN 25)	127	110	15	120	185	5,3
1¼" (DN 32)	140	115	16,5	160	226	7,3
1½" (DN 40)	165	125	18,2	160	241	9,4
2" (DN 50)	178	150	19,8	220	273	13,7

(*) Dimensions in mm and weight in kg.

Series C300RF (Class 300)

SIZE	L	D	T	W	H	WEIGHT
½" (DN 15)	140	95	15	100	157	3,6
¾" (DN 20)	152	115	16,5	100	157	4,6
1" (DN 25)	165	125	18,2	120	185	6,5
1¼" (DN 32)	178	135	19,8	160	226	9,3
1½" (DN 40)	190	155	21,5	160	241	12
2" (DN 50)	216	165	23	220	273	15,9

(*) 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. C150RF & C300RF

General Characteristics, Torque, KV, P&T Rating

GENERAL CHARACTERISTICS		Forged Gate Valve	
DESIGN STANDARDS			
Valves design	API 602	ASME B 16.34	
Connections	ANSI B 1.20.1	ANSI B 16.5	
Face to face dimensions	ASME B16.10		
TESTS AND CERTIFICATES			
Quality Assurance	API 598		
Quality Assurance	ISO 9001		
Pressure testing	EN 12266-1		
Marking	EN 19		

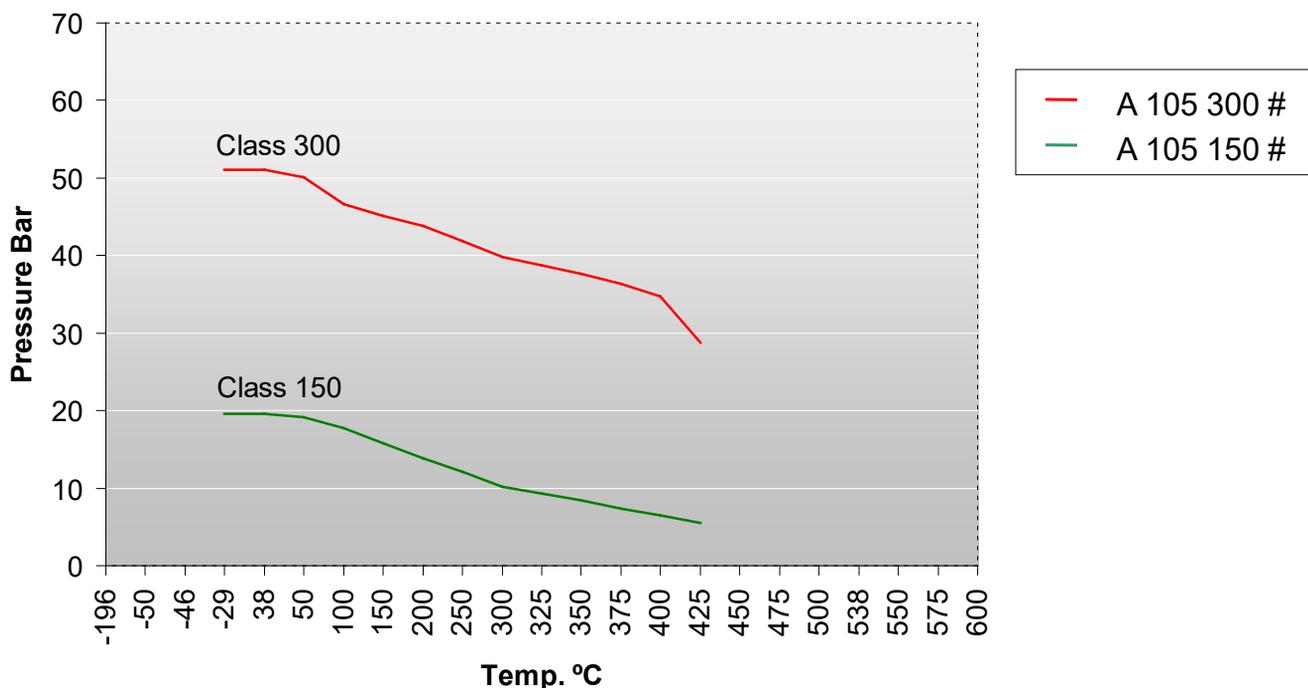
(*) Welded flanges

Kv Values in m3/h

VALVE SIZE	Kv	VALVE SIZE	Kv
½" (DN 15)	5,6	1¼" (DN 32)	38,9
¾" (DN 20)	9,6	1½" (DN 40)	57,9
1" (DN 25)	21,6	2" (DN 50)	98,2

Pressure-Temperature

A105





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Fig. C150RF & C300RF

General Characteristics, Torque, KV, P&T Rating

Pressure-Temperature

A182 F316L

