

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 NPT

EVOLUTION PRODUIT



Be careful, our valves Ref.153 are changing

For a TRIM12 instead of a TRIM10

At the end, only the TRIM12 valves will be available

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 NPT

Forged stainless steel gate valve TRIM10 or TRIM12 NPT Class 800 standard bore for petroleum industry, steam, oil and gas and high pressure.

Rising non rotating stem (OS&Y) with bolted bonnet.

Graphite packing and stainless steel + graphite bonnet gasket.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.



Certificate

3.1



PED 2014/68/UE



Size : DN 3/8" to 2"

Connection : NPT

Min Temperature : -49°C

Max Temperature : +538°C

Max Pressure : 132 Bars (Class 800)

Specifications : Rising non rotating stem (OS&Y)

Bolted bonnet and gland pack

Standard bore

Materials : Forged stainless steel ASTM A182 F316

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 NPT

SPECIFICATIONS :

- Standard bore
- Rising stem non rotating (OS&Y)
- Bolted bonnet and gland pack
- Forged stainless steel F316
- Trim 10 o TRIM12
- Class 800

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 49°C to + 538°C
- Max Pressure Ps : 132 bars (see graph)

FLOW COEFFICIENT Kvs (M3 / h) :

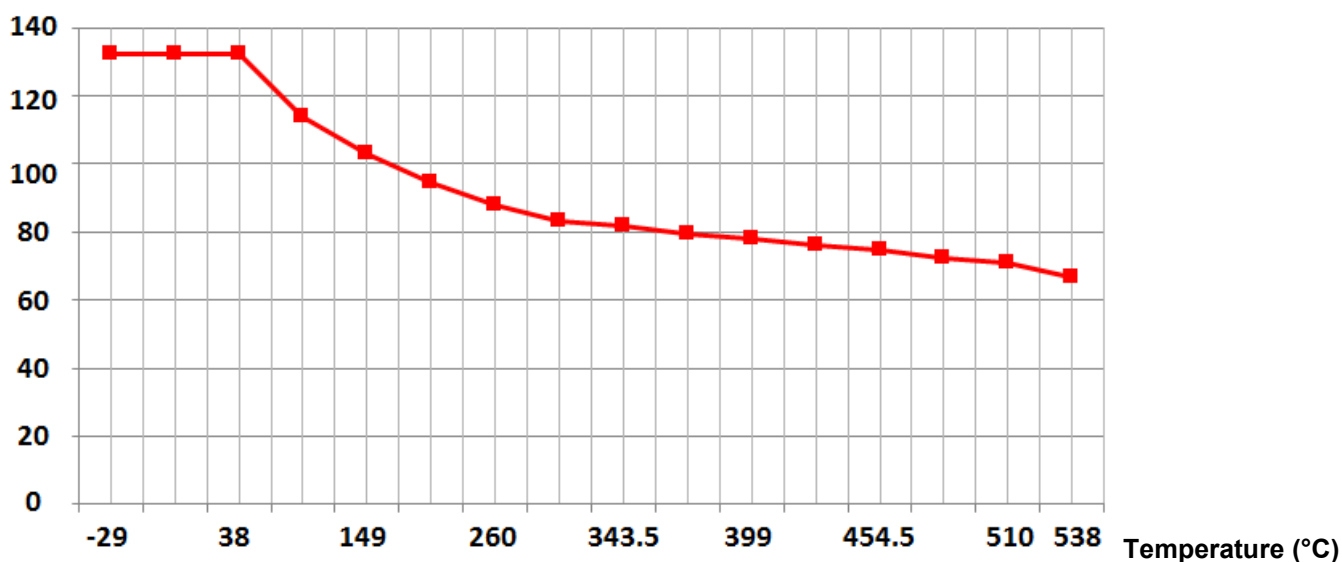
DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	3.7	4.8	10.4	23.4	47.6	69.2	90.8

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	132.4	132.4	132.4	114.1	103.1	94.5	87.9	83.1	81.7	79.3	77.9	76.2	74.5	72.4	71	66.9
Temperature (°C)	-49	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425	454.5	482	510	538

PRESSURE / TEMPERATURE GRAPH :

Pressure (Bars)

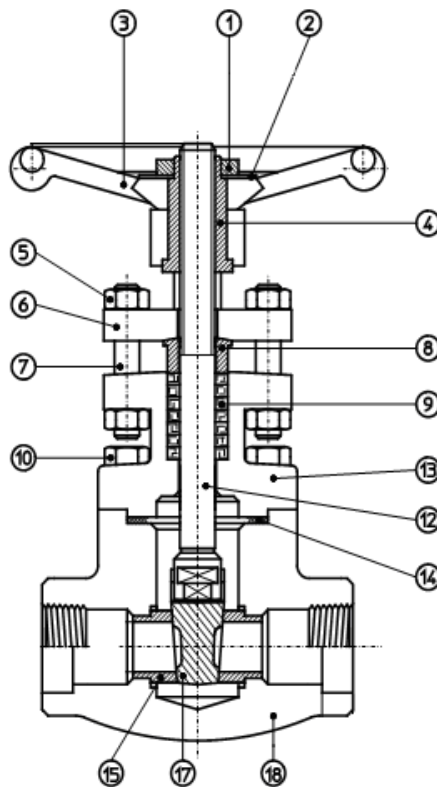


RANGE :

- Forged A182 F316 stainless steel gate valve TRIM10 or TRIM12 with threaded NPT ends **Ref.153** DN 3/8" to DN 2"

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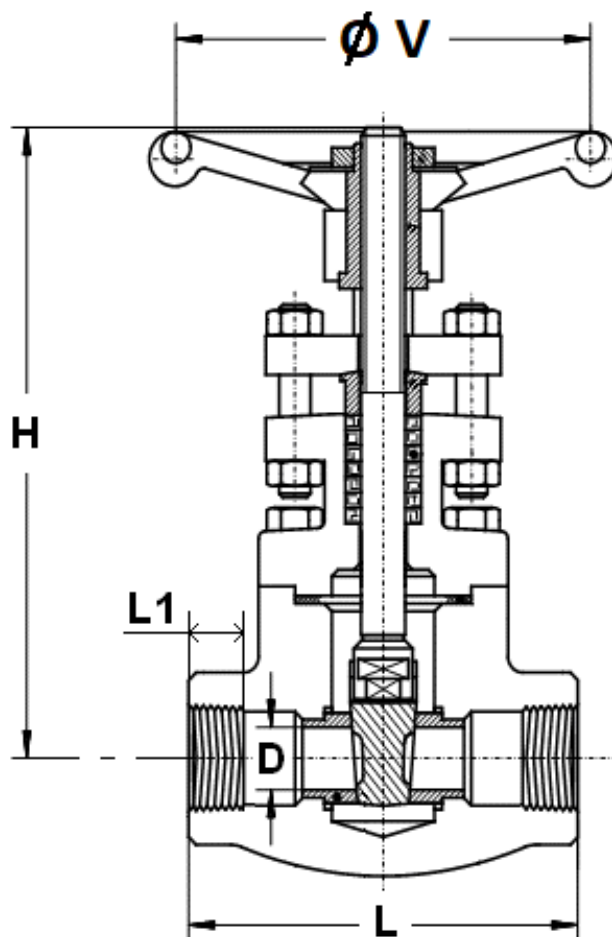
MATERIALS :



Item	Designation	Materials
1	Wheel nut	Carbon steel
2	Name plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A582 type 303
5	Gland nut	ASTM A194 GR.8
6	Gland flange	ASTM A182 F304
7	Gland stud	ASTM A193 B8
8	Gland	ASTM A479 type 304
9	Packing	Graphite
10	Bolts	ASTM A193 B8
12	Stem	ASTM A479 type 316
13	Bonnet	ASTM A182 F316
14	Gasket	AISI 316 + graphite spiral wound
15	Seat	ASTM A479 type 316 or with Stellite Gr.6
17	Wedge	ASTM A182 F316
18	Body	ASTM A182 F316

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 NPT

SIZE (in mm) :



DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø D	9.6	9.6	14	18	24	30	36.5
L	80	80	90	110	127	127	127
H (opened)	148	148	163	178	210	243	262
Ø V	90	90	90	110	110	130	130
L1	13	15	18	19	20	21	21
Weight (in Kg)	1.84	1.84	2.06	3.56	4.95	6.6	9
Ref.	153003	153004	153005	153006	153007	153008	153009

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 NPT**STANDARDS :**

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN 3/8"-1" : Article 4, §3 (SEP), no CE marking
 - DN 1"1/4-2" : Risk category II, CE 0036 marking
- Certificate 3.1 on request
- Designing according to **ISO 15761** and **API 602** 8th
- Pressure tests according to **API 598, table 6**
- Valves approved by the main oil industries (certificates on request)
- ATEX Group II Category 2 GD T3 Zone 1 & 21 Zone 2 & 22 (optional marking) according to directive 2014/34/EU
- Female NPT ends according to **ANSI B1.20.1**

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.