

FORGED STAINLESS STEEL F316 GATE VALVE CLASS 800 TRIM12 SW

Forged stainless steel gate valve TRIM12 SW 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 : DN10 to DN50 (NPS 3/8" to 2")

Connection : SW

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 SW

SPECIFICATIONS :

- Standard bore
- Rising stem non rotating (OS&Y)
- Bolted bonnet and gland pack
- Forged stainless steel F316
- Trim 12
- 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) :

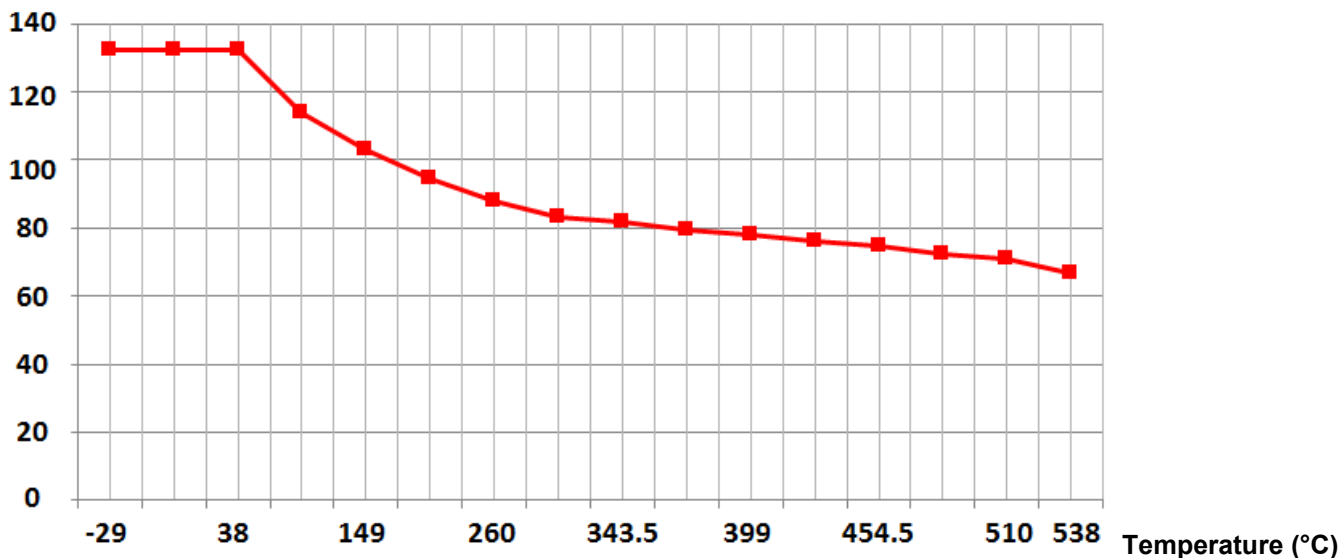
DN (mm)	10	15	20	25	32	40	50
NPS (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	3.7	4.8	10.4	23.4	47.6	69.2	90.8

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)

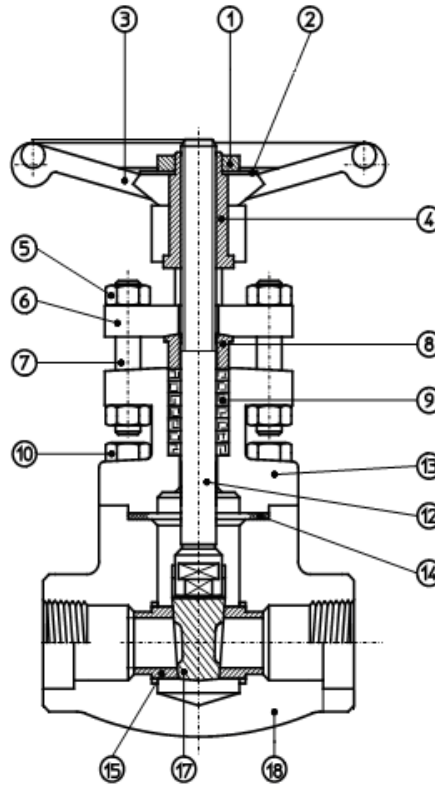


RANGE :

- Forged A182 F316 stainless steel gate valve TRIM 12 with Socket Welding ends **Ref.152** DN 10 to DN 50 (NPS 3/8" to DN 2")

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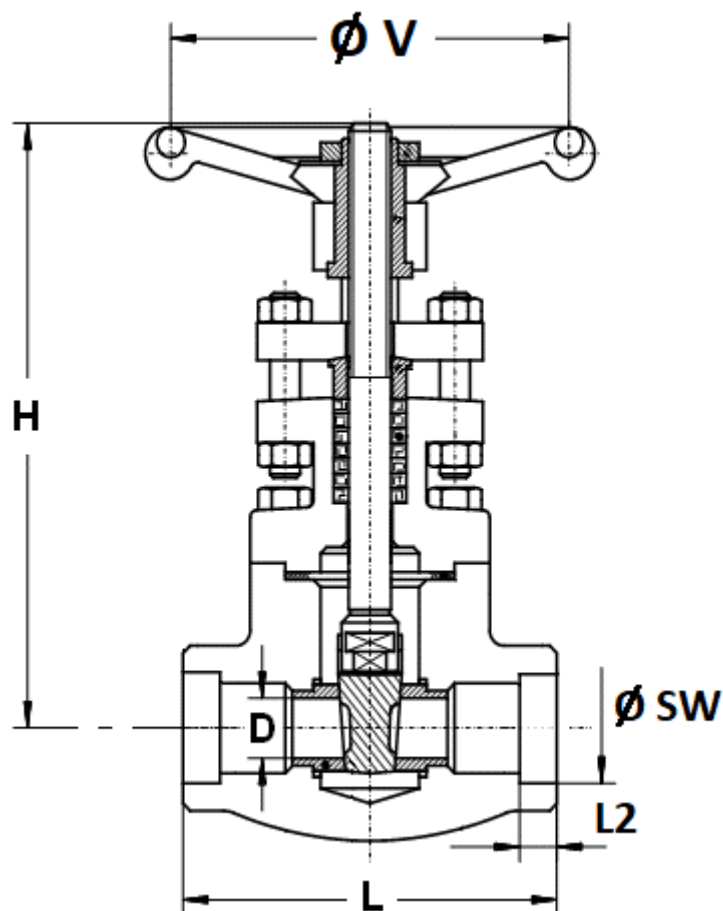
MATERIALS :



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 + Stellite Gr.6
17	Wedge	ASTM A182 F316
18	Body	ASTM A182 F316

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SIZE (in mm) :



DN (mm)	10	15	20	25	32	40	50
NPS (")	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
L2	11.1	12.7	14.5	16	17.5	19	22
Ø SW	17.6	21.8	27.2	33.9	42.7	48.8	61.2
Weight (in Kg)	1.84	1.84	2.06	3.56	4.95	6.6	9
Ref.	152010	152015	152020	152025	152032	152040	152050

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

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN10-25 (NPS 3/8"-1") : Article 4, §3 (SEP), no CE marking
 - DN32-50 (NPS 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
- Socket Welding ends according to **ISO 15761**

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.