

FORGED CARBON STEEL A182F11 GATE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT

Forged carbon steel gate valve TRIM5 threaded 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.

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



Certificate
3.1



Size : DN 1/2" to 2"

Connection : NPT

Min Temperature : -29°C

Max Temperature : +540°C

Max Pressure : 138 Bars (Class 800)

Specifications : Rising non rotating stem (OS&Y)

Bolted bonnet and gland pack

Standard bore

Materials : Forged carbon steel ASTM A182 F11

FORGED CARBON STEEL A182F11 GATE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT
SPECIFICATIONS :

- Standard bore
- Rising non rotating stem (OS&Y)11
- Welded bonnet
- Bolted gland pack
- Forged carbon steel A182F11
- Full stellite (Trim 5)
- Class 800

USE :

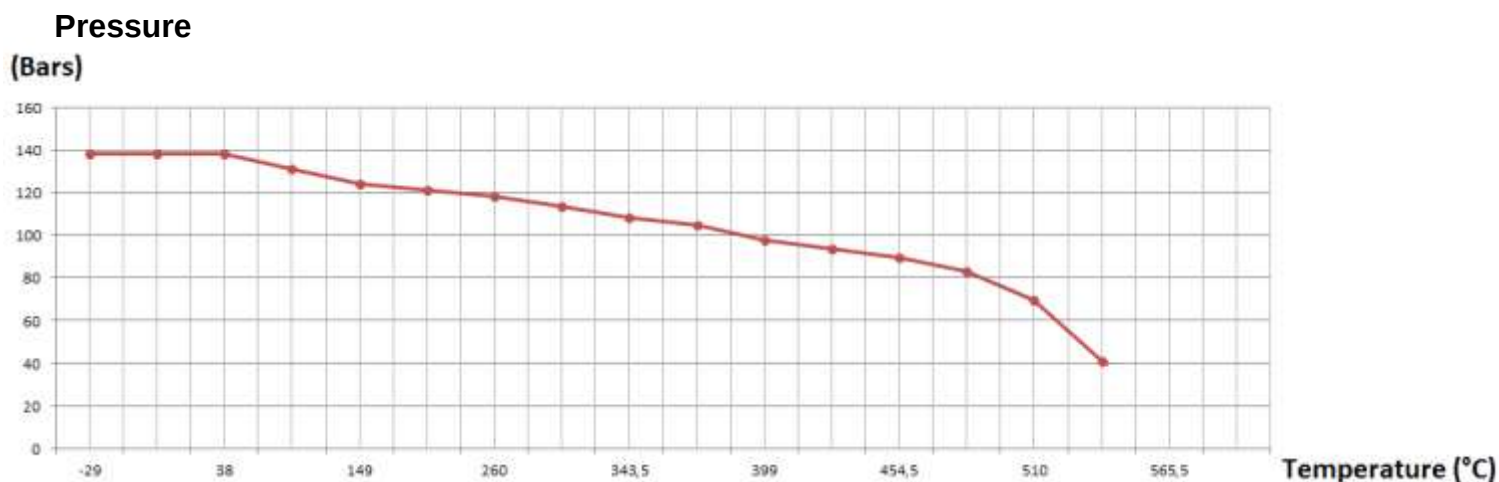
- Petroleum industry, steam, high pressure
- Min and Max Temperature Ts : - 29°C to + 540°C
- Max Pressure Ps : 138 bars (see graph)

FLOW COEFFICIENT Kvs (M3 / h) :

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

PRESSURE/TEMPERATURE RELATION :

Pressure (Bar)	137.9		131	123.8	121	117.9	113.4	108.3	104.5	97.9	93.4	89.7	82.8	69.3	41
Temp. (°C)	-29	38	93.5	149	204.5	260	315.5	343.5	371	399	426.5	454.5	482	510	538

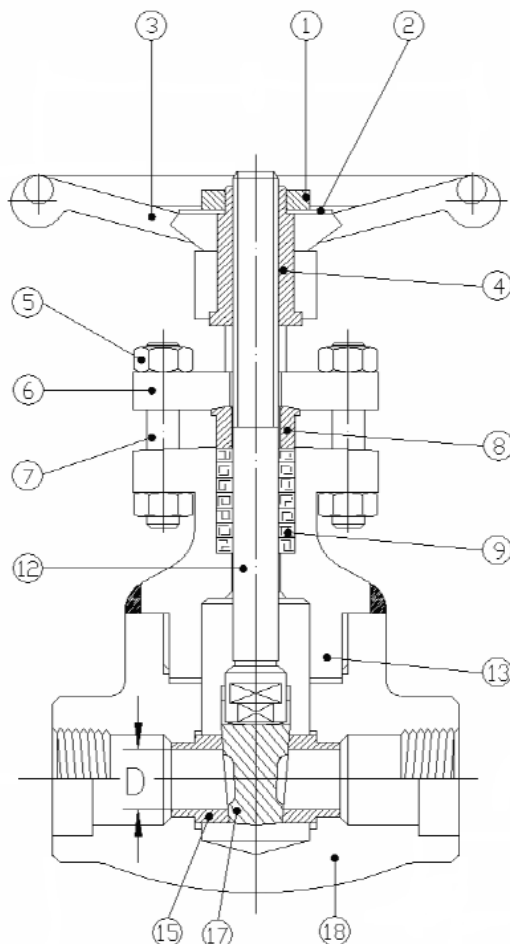
PRESSURE / TEMPERATURE GRAPH :


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RANGE :

- Forged A182F11 carbon steel gate valve TRIM 5 with threaded NPT ends **Ref. 123** from DN 1/2" to 2"

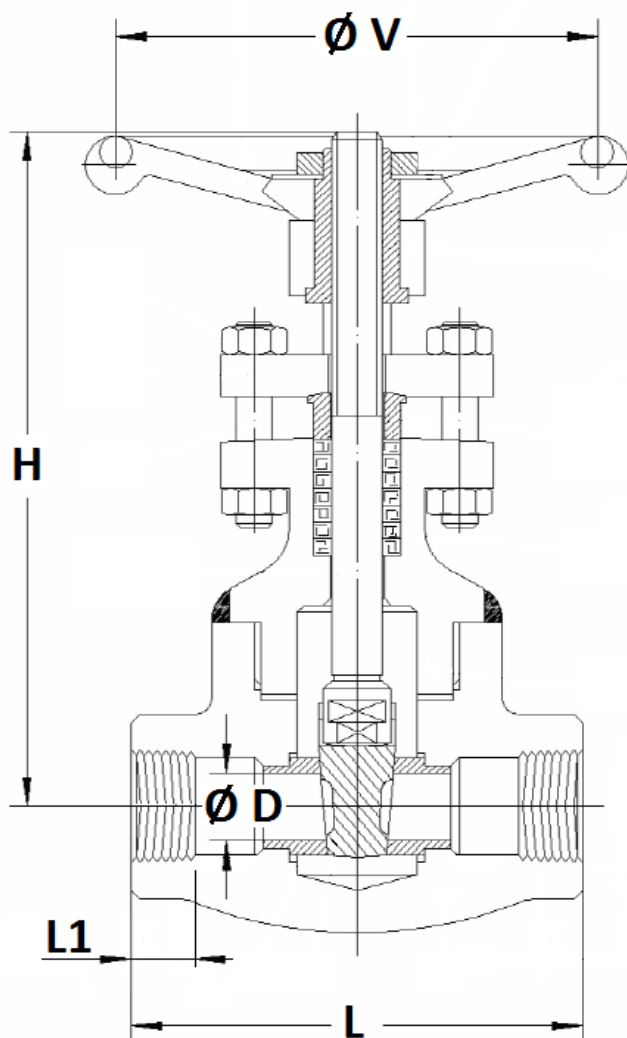
MATERIALS :



Item	Designation	Materials
1	Handwheel nut	Carbon steel
2	ID plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A473 type 416
5	Gland nut	ASTM A194 Gr.8
6	Gland flange	ASTM A182 F6
7	Gland stud	ASTM A193 B8
8	Gland	ASTM A182 F316L
9	Packing	Graphite
12	Stem	ASTM A276 type 410
13	Bonnet	ASTM A182 F11
15	Seat	ASTM A276 type 410 stellited
17	Wedge	ASTM A182 F6a stellited
18	Body	ASTM A182 F11

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SIZE (in mm) :



DN (")	1/2"	3/4"	1"	1 1/2"	2"
Ø D	9.6	14	18	30	36.5
L	80	90	110	127	127
H (opened)	148	163	178	243	262
Ø V	80	80	110	130	130
L1	15	18	19	21	21
Weight (in Kg)	1.4	1.7	2.9	5.8	7.6
Ref.	123004	123005	123006	123008	123009

FORGED CARBON STEEL A182F11 GATE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT**STANDARDS :**

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
 - DN 1/2"-1" : Article 4, §3 (SEP), no CE marking
 - DN 1"1/2-2" : 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
- Threaded 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.