

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

Forged carbon steel gate valve TRIM5 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.

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



PED 2014/68/UE



Size : DN15 to DN50 (NPS 1/2" to 2")

Connection : SW

Min Temperature : -29°C

Max Temperature : +595°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

* Permissible, but not recommended for prolonged use above 565°C

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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 + 595°C*
- Max Pressure Ps : 138 bars (see graph)

FLOW COEFFICIENT Kvs (M3 / h) :

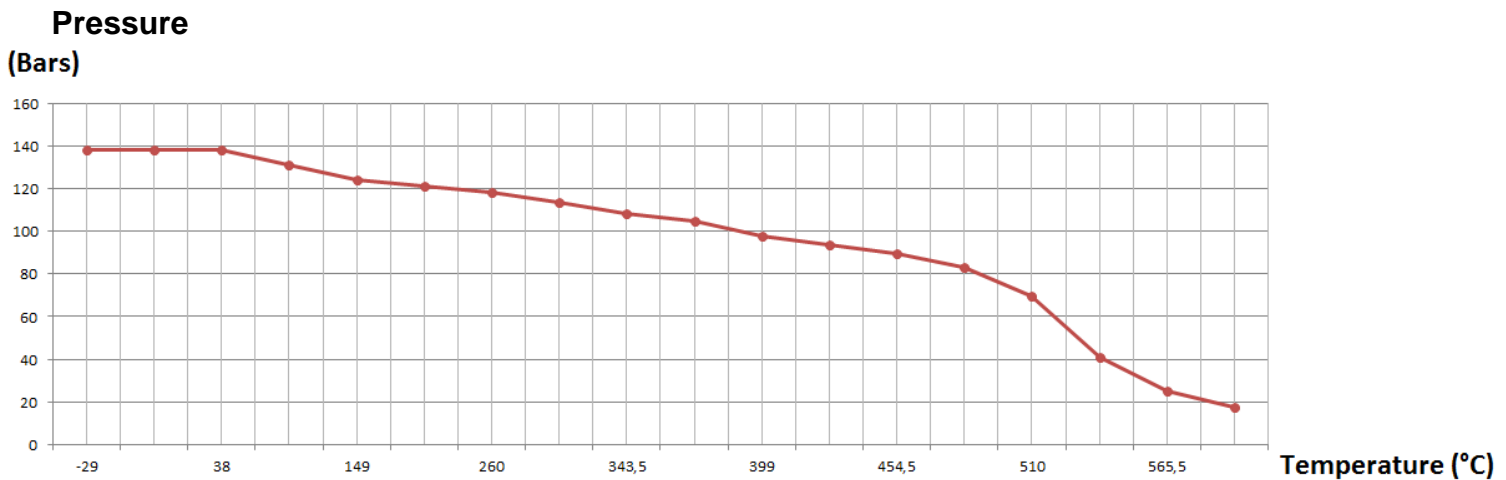
DN (mm)	15	20	25	32	40	50
NPS (")	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	4.8	10.4	23.4	47.6	69.2	90.8

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	25.2	17.6	
Temp. (°C)	-29	38	93.5	149	204.5	260	315.5	343.5	371	399	426.5	454.5	482	510	538	565.5	593.5*

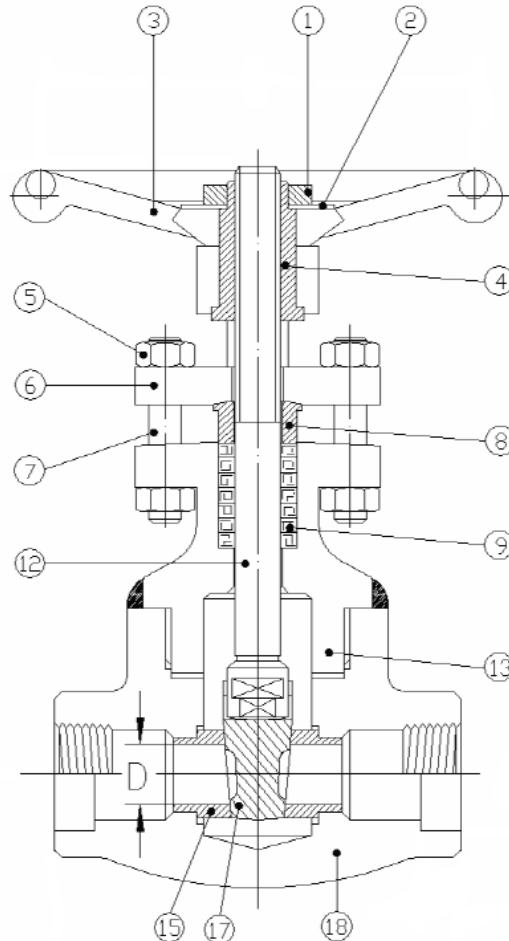
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PRESSURE / TEMPERATURE GRAPH :



FORGED CARBON STEEL A182F11 GATE VALVE CLASS 800 TRIM 5 WELDED BONNET SW
RANGE :

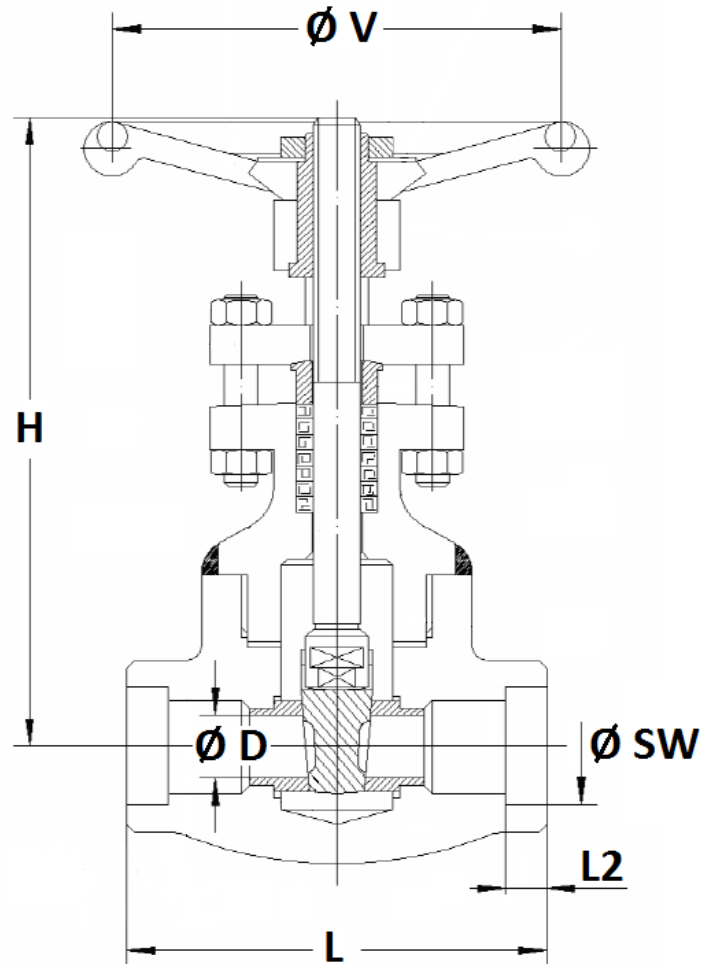
- Forged A182F11 carbon steel gate valve TRIM 5 with Socket Welding ends **Ref. 122** from DN 15 to 50 (NPS 1/2" to 2")

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	Glande 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 (mm)	15	20	25	40	50
NPS (")	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
L2 (SW)	12.7	14.5	16	19	22
Ø SW	21.8	27.2	33.9	48.8	61.2
Weight (in Kg)	1.4	1.7	2.9	5.8	7.6
Ref.	122015	122020	122025	122040	122050

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

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU : **CE N° 0036**
Risk category III module H
- 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 Lauridsen group shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.