ADL APPENDAGES

REF. 406

FORGED Y PATTERN GLOBE VALVE CARBON STEEL A182F22 CLASS 1500 TRIM 5 SW

Forged carbon steel Y pattern gate valve TRIM5 Class 1500 full bore for petroleum industry, steam, oil and gas and high pressure.
Rising and rotating stem (OS&Y) with welded bonnet.
Graphite packing.
Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Certificate 3.1

PED 2014/68/UE



Size :	DN15 to DN50 (NPS 1/2" to 2")
Connection :	SW
Min Temperature :	-29°C
Max Temperature :	+540°C
Max Pressure :	258 Bars (Class 1500)
Specifications :	Rising and rotating stem (OS&Y) Welded bonnet Full bore
Materials :	Forged carbon steel ASTM A188 F22

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SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Full bore
- Rising stem (OS&Y)
- Welded bonnet
- Bolted gland pack
- Forged carbon steel A182 F22
- Full stellite (Trim 5)
- Class 1500

USE:

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 29°C to + 540°C
- Max Pressure Ps : 258 bars (see graph)

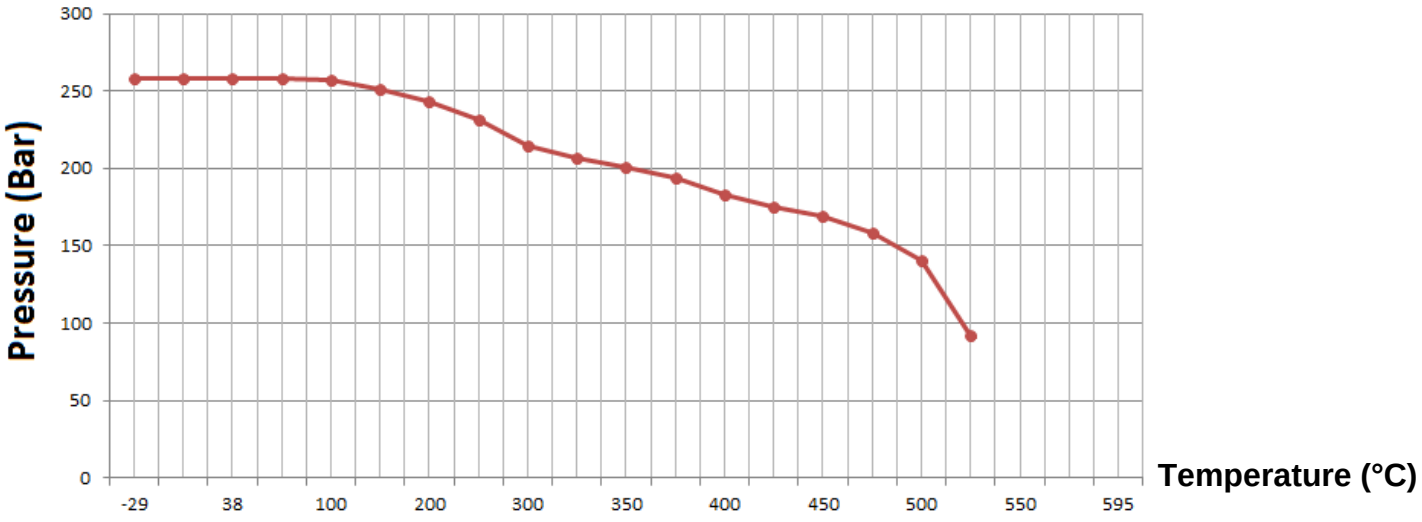
FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	15	20	25	32	40	50
NPS (")	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	3.9	8.7	13.8	19.9	40.7	69.3

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	258.6	258.6	257.6	250.8	243.4	231.8	214.4	206.6	201.1	194.1	183.1	175.1	169	158.2	140.9	92.2
Temperature (°C)	-29	50	100	150	200	250	300	325	350	375	400	425	450	475	500	538

PRESSURE / TEMPERATURE GRAPH :

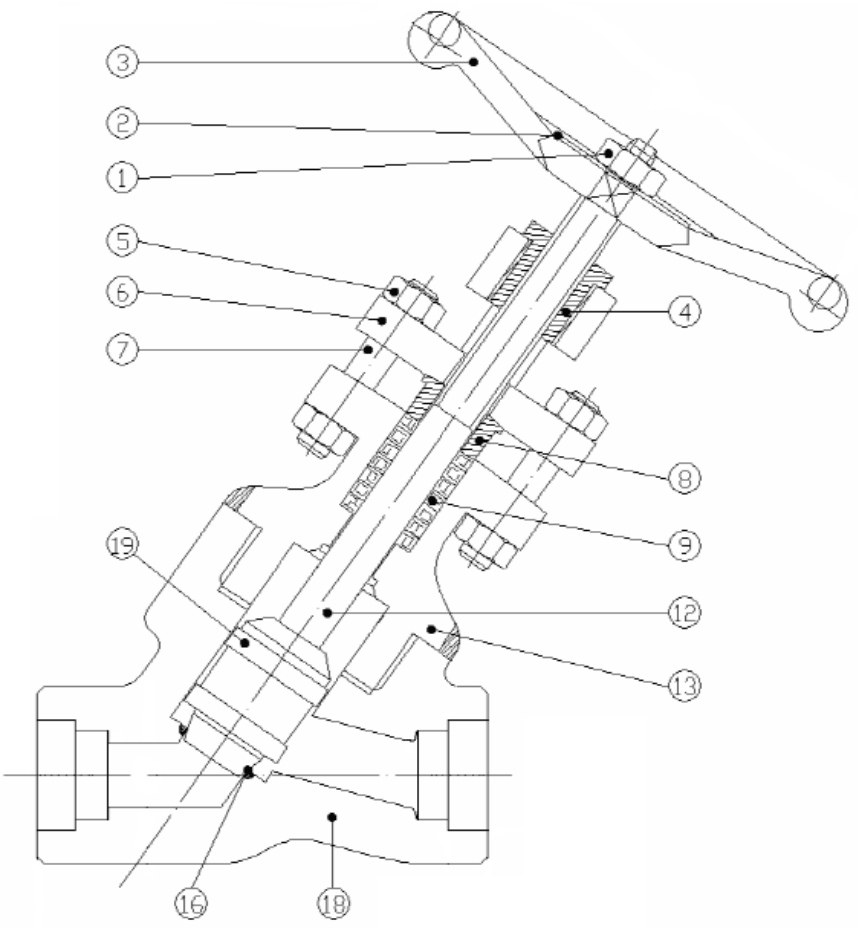


FORGED Y PATTERN GLOBE VALVE CARBON STEEL A182F22 CLASS 1500 TRIM 5 SW

RANGE :

- Forged Y pattern globe valve A182F22 with Socket Welding ends **Ref.406** 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	Gland flange	ASTM A182 F6a Cl 2
7	Gland stud	ASTM A193/A320 B8 CL.1
8	Gland	UNS S41000
9	Packing	Graphite
12	Stem	ASTM A276 type 410
13	Bonnet	ASTM A182 F22 Cl 3
16	Seat	Stellite GR.6’
18	Body	ASTM A182 F22 Cl 3
19	Disc	ASTM A276 type 410 Stellited

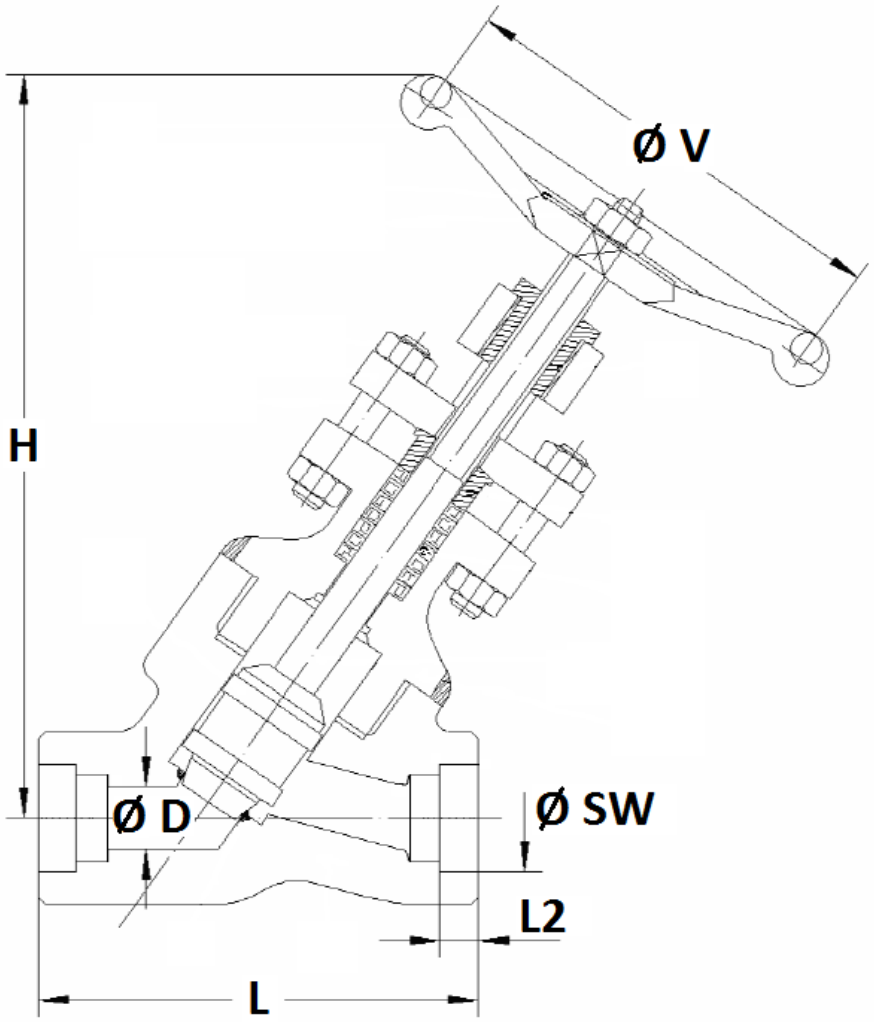
Gegevens ter indicatie, wijzigingen voorbehouden.

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FORGED Y PATTERN GLOBE VALVE CARBON STEEL A182F22 CLASS 1500 TRIM 5 SW

SIZE (in mm) :



DN (mm)	15	20	25	40	50
NPS (")	1/2"	3/4"	1"	1"1/2	2"
Ø D	11	15	19.5	31.5	39
L	110	142	142	170	180
H (opened)	170	240	250	380	420
Ø V	110	130	130	180	180
L2 (SW)	12.7	14.5	16	19	22
Ø SW	21.8	27.2	33.9	48.8	61.2
Weight (in Kg)	2.3	5.1	5	10.1	12.9
Ref.	406015	406020	406025	406040	406050

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FORGED Y PATTERN GLOBE VALVE CARBON STEEL A182F22 CLASS 1500 TRIM 5 SW

STANDARDS :

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
    - DN15-25 (NPS 1/2"-1") : Article 4, §3 (SEP), no CE marking
    - DN40-50 (NPS 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 G/2D T3 Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU
- S.W. ends according to **ASME B16.11 and ISO 15761**

Gegevens ter indicatie, wijzigingen voorbehouden.