ADL APPENDAGES

REF. 421

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 1500 TRIM 12 SW

Forged carbon steel globe valve TRIM12 S Class 1500 standard bore for petroleum industry, steam, oil and gas and high pressure.
Rising and 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 :	DN15 to DN50 (NPS 1/2" to 2")
Connection :	SW
Min Temperature :	-46°C
Max Temperature :	+425°C
Max Pressure :	255 Bars (Class 1500)
Specifications :	Rising and rotating stem (OS&Y) Bolted bonnet and gland pack Standard bore
Materials :	Forged carbon steel ASTM A350LF2

ADL APPENDAGES

REF. 421

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 1500 TRIM 12 SW

SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Standard bore
- Rising rotating stem (OS&Y)
- Bolted bonnet
- Bolted gland pack
- Forged carbon steel ASTM A350 LF2
- 1/2 stellite (Trim 12)
- Class 1500

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 46°C to + 425°C
- Max Pressure Ps : 255 bars (see graph)

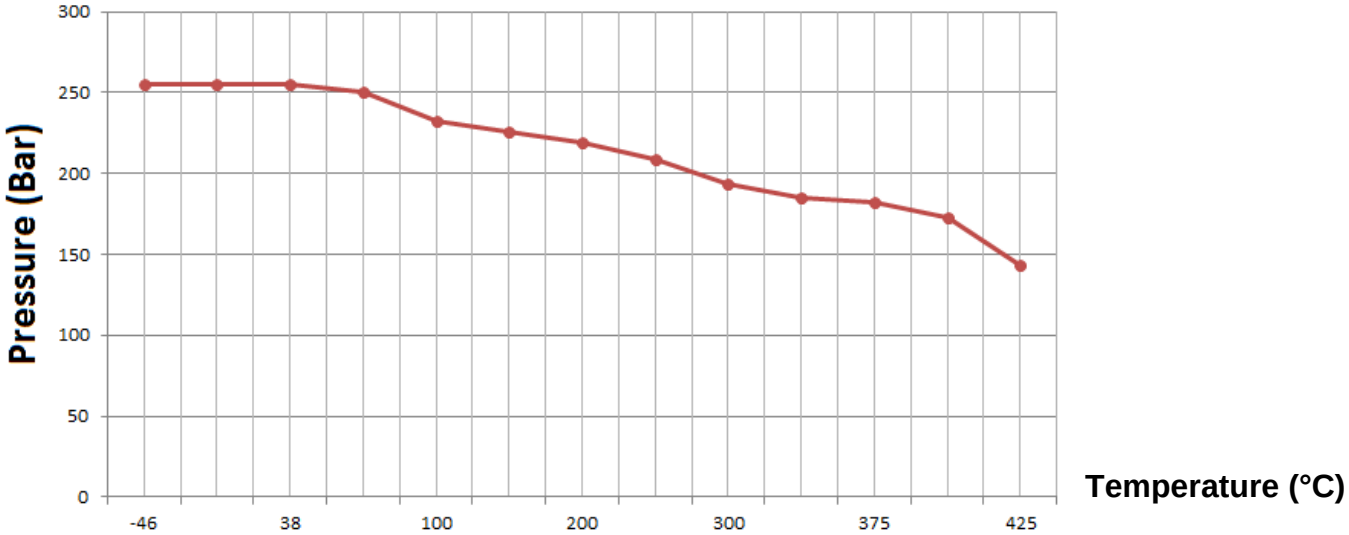
FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	15	20	25	32	40	50
NPS (")	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	1.3	3.3	5.9	9.5	12.4	21.6

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	255.3	255.3	255.3	250.4	231.9	226.1	219.1	208.6	193.7	184.8	182.3	172.5	143.8
Temperature (°C)	-46	0	38	50	100	150	200	250	300	350	375	400	425

PRESSURE / TEMPERATURE GRAPH :



ADL APPENDAGES

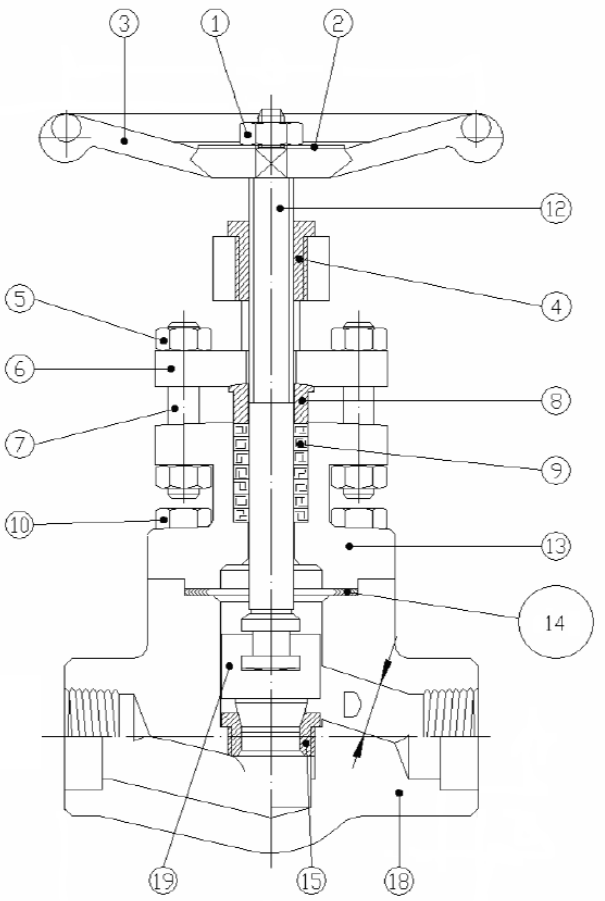
REF. 421

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 1500 TRIM 12 SW

RANGE :

- Forged globe valve A350LF2 with Socket Welding ends **Ref.421** from DN 15 to 50 (NPS 1/2“ to 2“)

MATERIALS :



Repairability :



*Kit seat + disc + gasket TRIM5 (Items 15, 19 and 14)	
DN	**Ref.**
DN15	9860301
DN20	9860302
DN25	9860303
DN32	9860304
DN40	9860305
DN50	9860306

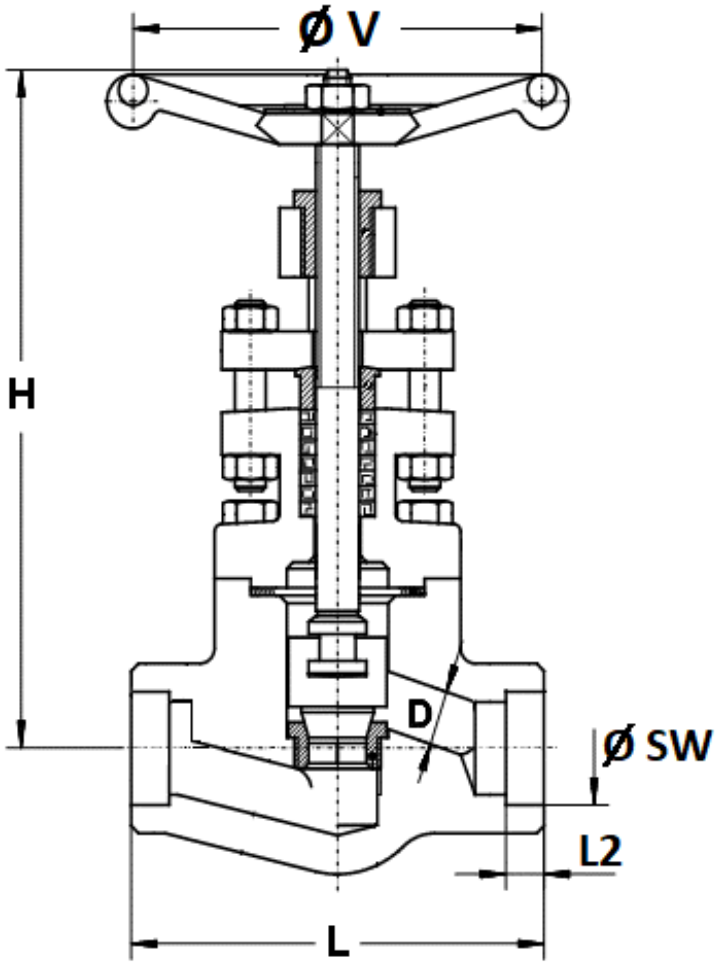
Item	Designation	Materials
1	Handwheel nut	Carbon steel
2	ID plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A473 type 416
5	Gland nut	ASTM A194 Gr.4
6	Gland flange	ASTM A182 F6a Cl 2
7	Gland stud	ASTM A320 L7
8	Gland	UNS S31600/S31603
9	Packing	Graphite
10	Screw	ASTM A320 L7
12	Stem	ASTM A479 316/316L
13	Bonnet	ASTM A350 LF2
14*	Gasket	AISI 316 + graphite spiral
15*	Seat	ASTM A479 S31600/S31603 Stellite
18	Body	ASTM A350 LF2
19*	Disc	ASTM A182 316/316L

ADL APPENDAGES

REF. 421

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 1500 TRIM 12 SW

SIZE (in mm) :



DN (mm)	15	20	25	40	50
NPS (")	1/2"	3/4"	1"	1"1/2	2"
Ø D	9	13	17	28	35
L	90	110	127	170	210
H (opened)	160	175	210	250	360
Ø V	80	110	130	180	180
L2	12.7	14.5	16	19	22
Ø SW	21.8	27.2	33.9	48.8	61.2
Weight (in Kg)	2.2	3.8	5.9	12	23
Ref.	421015	421020	421025	421040	421050

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 1500 TRIM 12 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, CE0036 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 **ISO15761**

Gegevens ter indicatie, wijzigingen voorbehouden.