ADL APPENDAGES

REF. 419

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 800 TRIM 12 SW

Forged carbon steel globe valve TRIM12 SW Class 800 full 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 :	136 Bars (Class 800)
Specifications :	Rising and rotating stem (OS&Y) Bolted bonnet and gland pack Full bore
Materials :	Forged carbon steel ASTM A350 LF2

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FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 800 TRIM 12 SW

SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Full bore
- Rising rotating stem (OS&Y)
- Bolted bonnet
- Bolted packing
- Forged carbon steel ASTM A350 LF2
- 1/2 stellite (Trim 12)
- Class 800

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 46°C to + 425°C
- Max Pressure Ps : 136 bars (see graph)

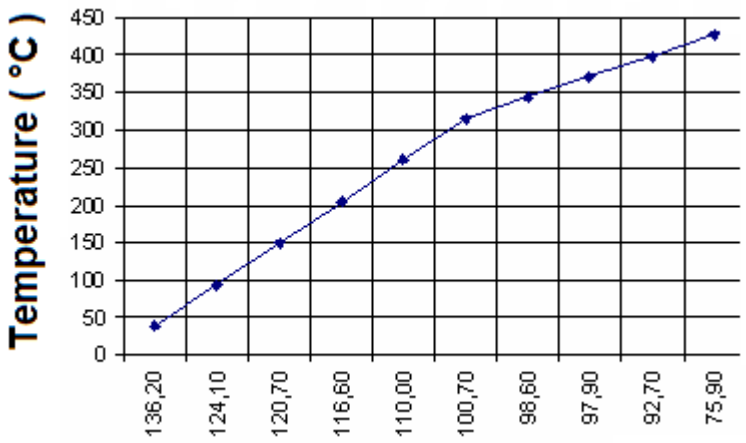
FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	15	20	25	32	40	50
NPS (")	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	3.1	5.7	9.4	12.1	21	34.3

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	136.2	136.2	136.2	124,1	120,7	116,6	110	100,7	98,6	97,9	92,7	75,9
Temperature (°C)	-46	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425

PRESSURE / TEMPERATURE GRAPH :



Gegevens ter indicatie, wijzigingen voorbehouden.

ADL APPENDAGES

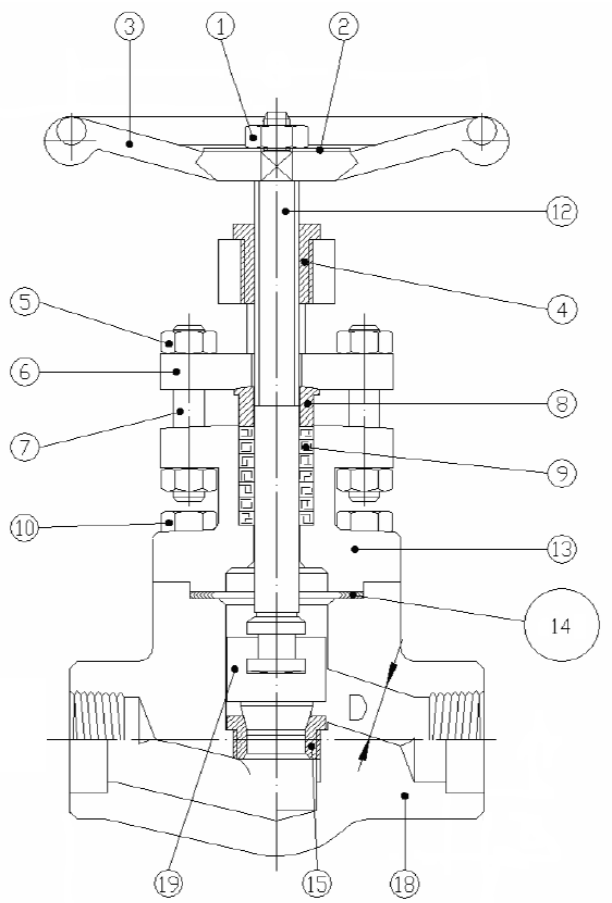
REF. 419

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 800 TRIM 12 SW

RANGE :

- Forged globe valve A350LF2 with Socket Welding ends **Ref.419** 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

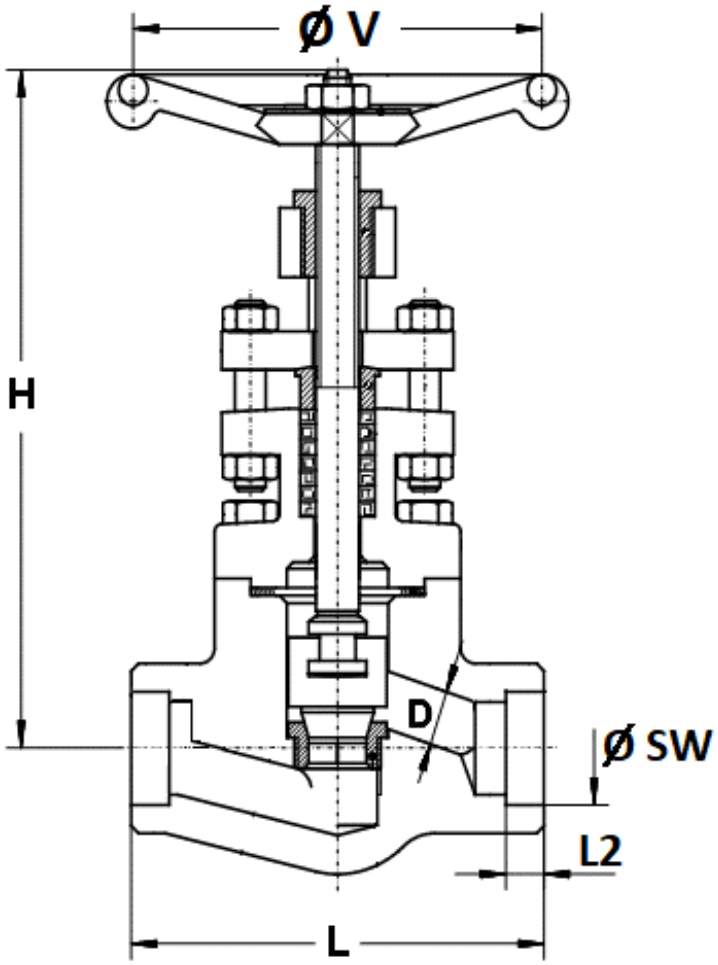
Item	Designation	Materials
1	Handwheel nut	Carbon steel
2	ID plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A473 type 416
5	Gland nut	ASTM A194 Gr.4
6	Gland flange	ASTM A182 F6a Cl 2
7	Gland stud	ASTM A320 L7
8	Gland	UNS S31600/S31603
9	Packing	Graphite
10	Screw	ASTM A320 L7
12	Stem	ASTM A479 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. 419

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 800 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	13	17.5	22.5	35	45.5
L	90	110	127	170	210
H (opened)	165	180	213	282	370
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	3.6	5.6	11.4	21
Ref.	419015	419020	419025	419040	419050

Gegevens ter indicatie, wijzigingen voorbehouden.

FORGED CARBON STEEL A350LF2 GLOBE VALVE CLASS 800 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, 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**

Gegevens ter indicatie, wijzigingen voorbehouden.