ADL APPENDAGES

REF. 416

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT

Forged carbon steel globe valve TRIM5 NPT Class 800 standard 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 :	DN 1/2" to 2"
Connection :	NPT
Min Temperature :	-29°C
Max Temperature :	+425°C
Max Pressure :	136 Bars (Class 800)
Specifications :	Rising and rotating stem (OS&Y) Welded bonnet Standard bore
Materials :	Forged carbon steel ASTM A105N

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SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Standard bore
- Rising rotating stem (OS&Y)
- Welded bonnet
- Bolted gland pack
- Forged carbon steel A105N
- Full stellite (Trim 5)
- Class 800

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 29°C to + 425°C
- Max Pressure Ps : 136 bars (see graph)

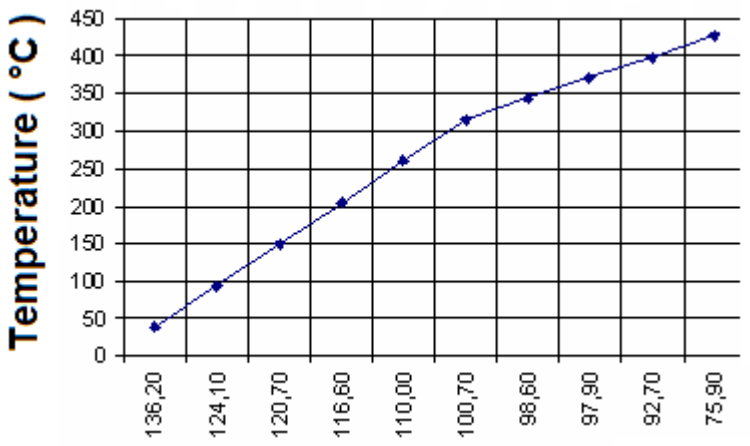
FLOW COEFFICIENT Kvs (M3 / h) :

DN (")	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)	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)	-29	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425

PRESSURE / TEMPERATURE GRAPH :

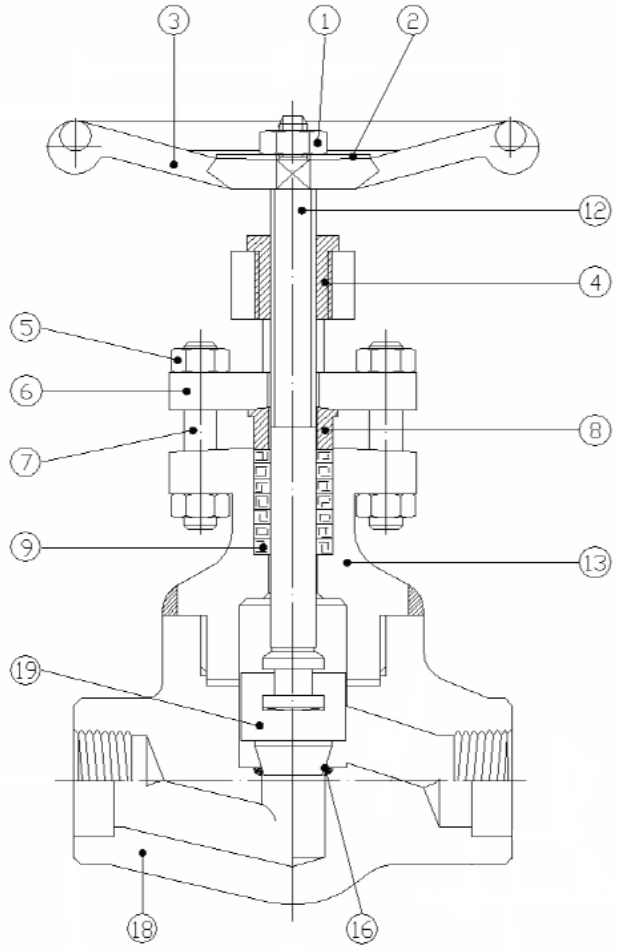


FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT

RANGE :

- Forged globe valve A105N with threaded NPT ends **Ref.416** from DN 1/2“ to 2“

MATERIALS :



Item	Designation	Materials
1	Handwheel nut	Carbon steel
2	ID plate	Aluminium
3	Hanwheel	Carbon steel
4	Yoke nut	ASTM A473 type 416
5	Gland nut	ASTM A194 2H
6	Gland flange	ASTM A105
7	Gland stud	UNS S41000
8	Gland	UNS S41000
9	Packing	Graphite
12	Stem	ASTM A276 type 410
13	Bonnet	ASTM A105N
16	Seat	Stellite GR.6’
18	Body	ASTM A105N
19	Disc	ASTM A182 F6a stellite

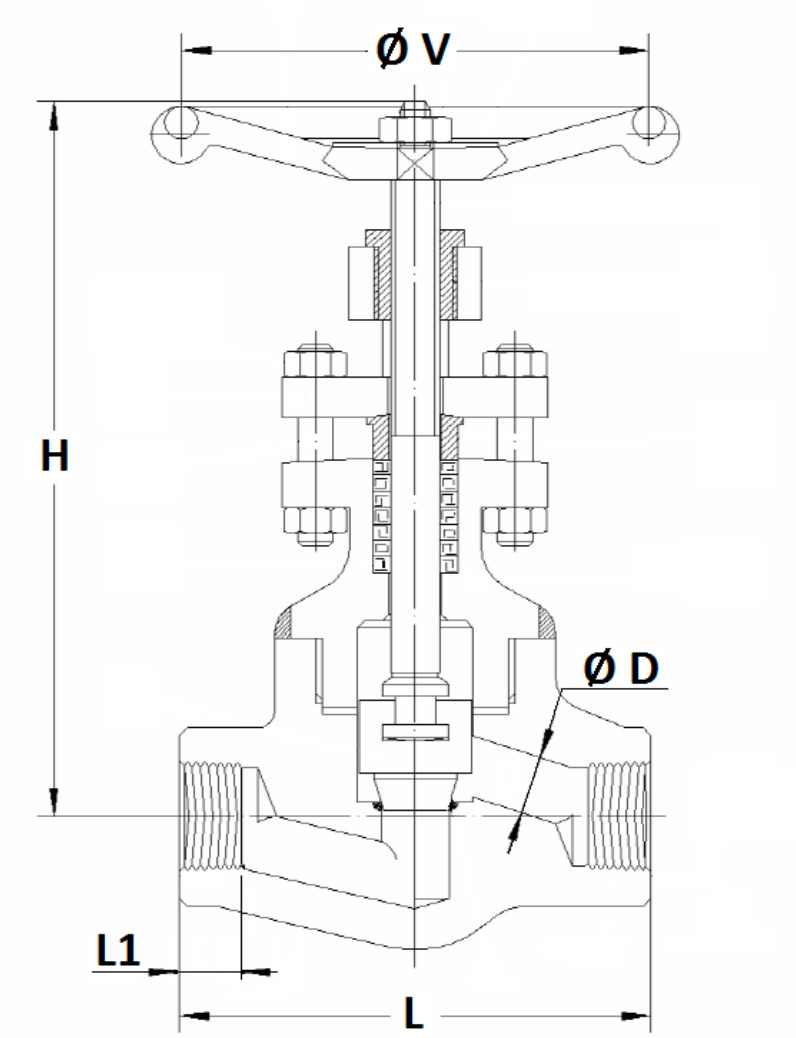
Gegevens ter indicatie, wijzigingen voorbehouden.

ADL APPENDAGES

REF. 416

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM 5 WELDED BONNET NPT

SIZE (in mm) :



DN (")	1/2"	3/4"	1"	1"1/2	2"
Ø D	9	13	17.5	29.5	35
L	80	90	110	155	170
H (opened)	148	165	180	248	257
Ø V	80	80	110	130	180
L1	15	18	19	21	21
Weight (in Kg)	1.5	1.8	3	6.5	9.7
Ref.	416004	416005	416006	416008	416009

Gegevens ter indicatie, wijzigingen voorbehouden.

FORGED CARBON STEEL A105N GLOBE 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 G/2D T3 Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU
- Threaded female NPT ends according to **ANSI B1.20.1**

Gegevens ter indicatie, wijzigingen voorbehouden.