ADL APPENDAGES

REF. 413

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 NPT

Forged carbon steel globe valve TRIM8 NPT Class 800 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 :	DN 3/8" 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) Bolted bonnet and gland pack 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)
- Bolted bonnet and gland pack
- Forged Carbon steel A105N
- ½ stellite (Trim 8)
- 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)

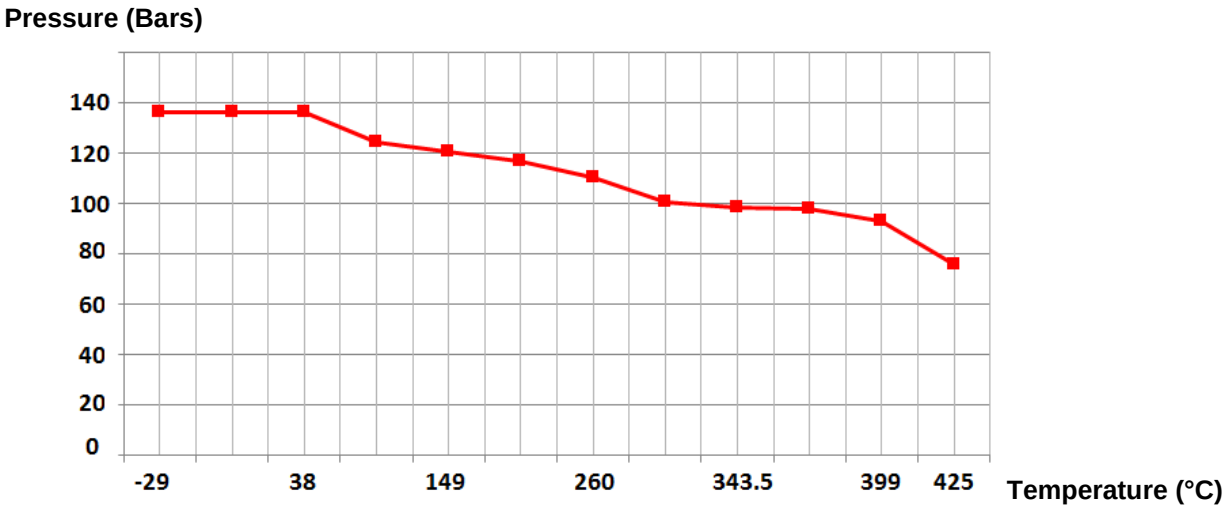
FLOW COEFFICIENT Kvs (M3 / h) :

DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	1.2	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 :



RANGE :

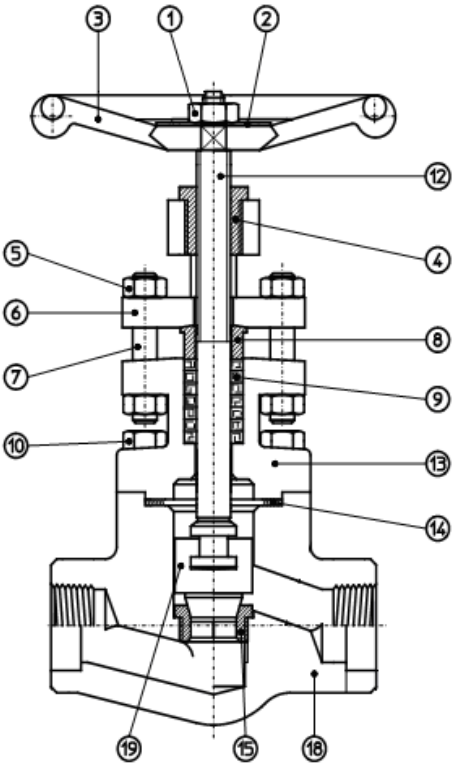
- Forged A105N carbon steel globe valve TRIM 8 with threaded NPT ends **Ref. 413** DN 3/8“ to DN 2“

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FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 NPT

MATERIALS :



Repairability :



*Kit seat + disc + gasket TRIM5 (Items 15, 19 and 14)	
DN	**Ref.**
1/2“	9860301
3/4“	9860302
1“	9860303
1“1/4	9860304
1“1/2	9860305
2“	9860306

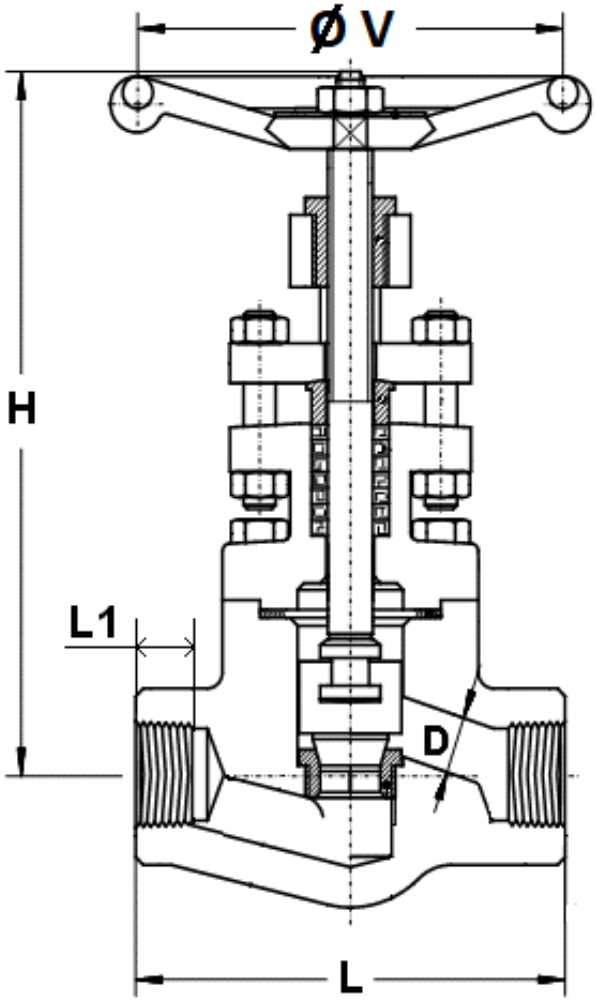
Item	Designation	Materials
1	Wheel nut	Carbon steel
2	Name plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A582 type 416
5	Gland nut	ASTM A194 2H
6	Gland flange	ASTM A105
7	Gland stud	AISI 410
8	Gland	ASTM A276 type 410
9	Packing	Graphite
10	Bolts	ASTM A193 B7
12	Stem	ASTM A276 type 410
13	Bonnet	ASTM A105N
14*	Gasket	AISI 316 + graphite spiral wound
15*	Seat	ASTM A276 type 410 + Stellite GR.6’
18	Body	ASTM A105N
19*	Disc	ASTM A276 type 410

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FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 NPT

SIZE (in mm) :



DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø D	9	9	13	17.5	22.5	29.5	35
L	80	80	90	110	127	155	170
H (opened)	148	148	165	180	213	248	257
Ø V	90	90	90	110	130	130	180
L1	13	15	18	19	20	21	21
Weight (in Kg)	1.9	1.9	2.14	3.42	5.14	7.06	11
Ref.	413003	413004	413005	413006	413007	413008	413009

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FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 NPT

STANDARDS :

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
    - DN 3/8"-1" : Article 4, §3 (SEP), no CE marking
    - DN 1"1/4-2" : 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 **AINSI B1.20.1**

Gegevens ter indicatie, wijzigingen voorbehouden.