ADL APPENDAGES

REF. 414

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 BSP

Forged carbon steel globe valve TRIM8 BSP 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 :	DN10 to DN50 (NPS 3/8" to 2")
Connection :	BSP
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

Gegevens ter indicatie, wijzigingen voorbehouden.

ADL APPENDAGES

REF. 414

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 BSP

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)

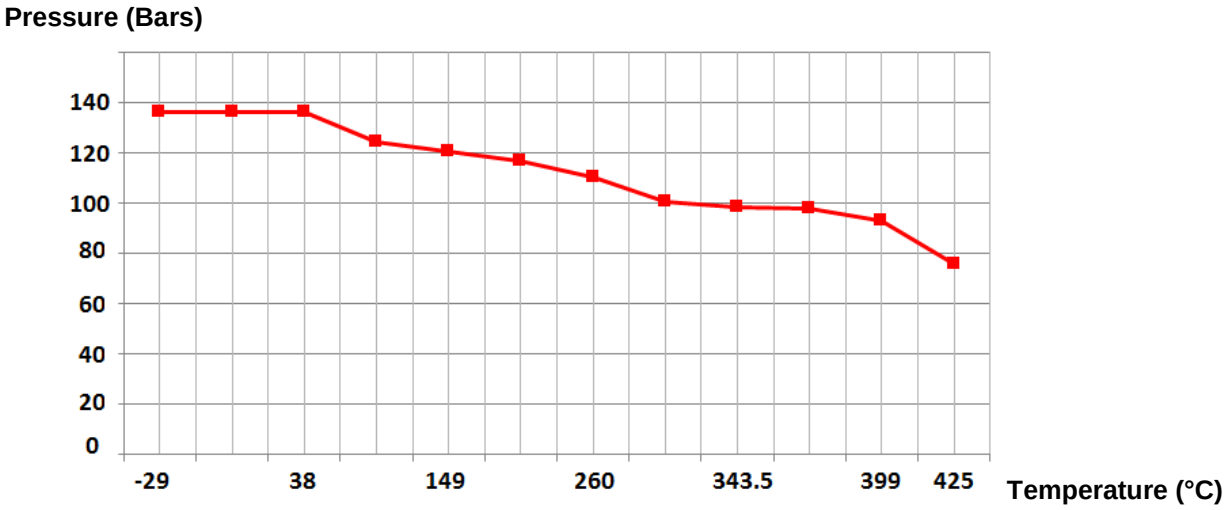
FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	10	15	20	25	32	40	50
NPS (")	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 :

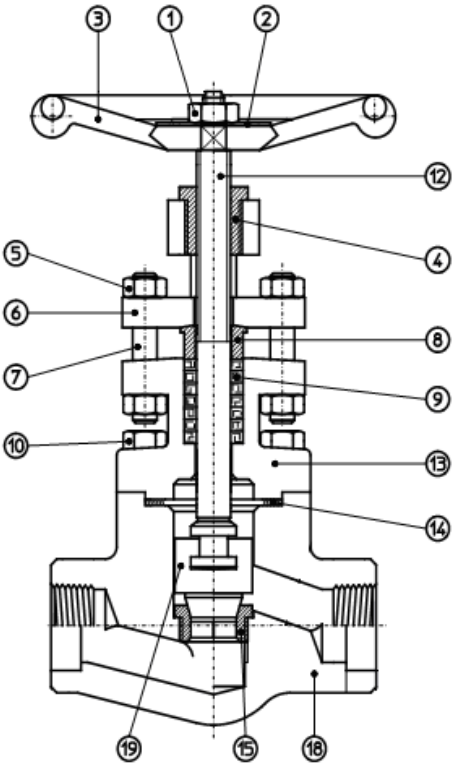
- Forged A105N carbon steel globe valve TRIM 8 with threaded BSP conical ends **Ref. 414** DN 10 to DN 50 (NPS 3/8“ to DN 2“)

ADL APPENDAGES

REF. 414

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 BSP

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

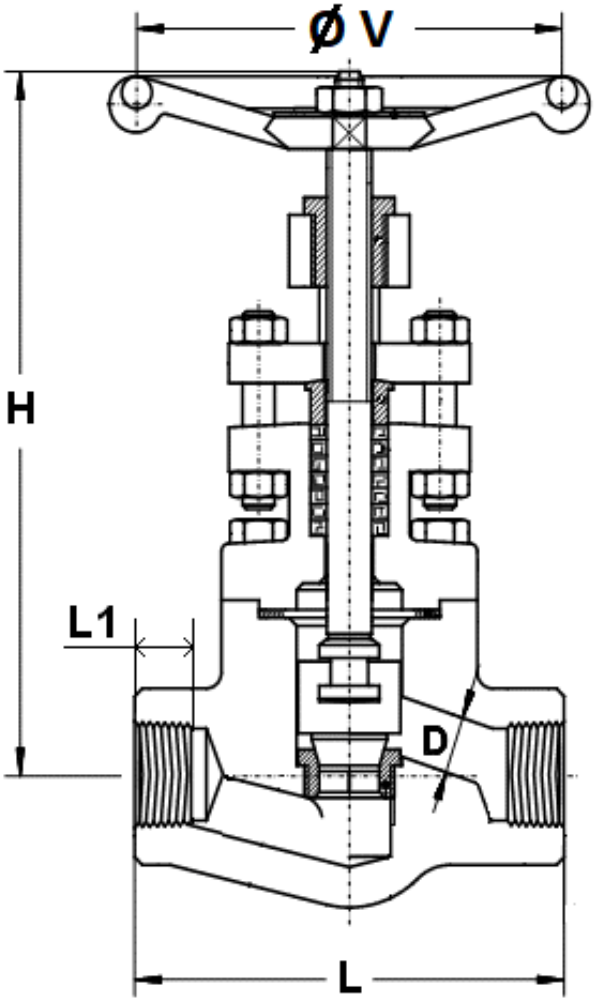
Item	Designation	Materials
1	Wheel nut	Carbon steel
2	Name plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A582 type 416
5	Gland nut	ASTM A194 2H
6	Gland flange	ASTM A105
7	Gland stud	AISI 410
8	Gland	ASTM A276 type 410
9	Packing	Graphite
10	Bolts	ASTM A193 B7
12	Stem	ASTM A276 type 410
13	Bonnet	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

ADL APPENDAGES

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FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 BSP

SIZE (in mm) :



DN (mm)	10	15	20	25	32	40	50
NPS (")	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.	414003	414004	414005	414006	414007	414008	414009

Gegevens ter indicatie, wijzigingen voorbehouden.

ADL APPENDAGES

REF. 414

FORGED CARBON STEEL A105N GLOBE VALVE CLASS 800 TRIM8 BSP

STANDARDS :

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
    - DN10-25 (NPS 3/8"-1") : Article 4, §3 (SEP), no CE marking
    - DN32-50 (NPS 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 BSP conical ends according to **ISO 7-1 Rc**

Gegevens ter indicatie, wijzigingen voorbehouden.