ADL APPENDAGES

REF. 441

FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

Forged carbon steel globe valve TRIM5 with integral body flanges Class 300 PN50 standard bore for petroleum industry, steam, oil and gas and high pressure.
Rising rotating stem 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 :	Flanges Class 300 PN50 RF
Min Temperature :	-29°C
Max Temperature :	+425°C
Max Pressure :	50 Bars
Specifications :	Rising rotating stem (OS&Y) Bolted bonnet and packing Standard bore
Materials :	Forged Carbon steel ASTM A105N

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FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Standard bore
- Integral body flanges
- Rising rotating stem (OS&Y)
- Bolted bonnet
- Bolted gland pack
- Forged carbon steel ASTM A105N
- Full stellite (Trim 5)
- Flanges R.F. Class 300 (PN50)

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 29°C to + 425°C
- Max Pressure Ps : 50 bars (see graph)

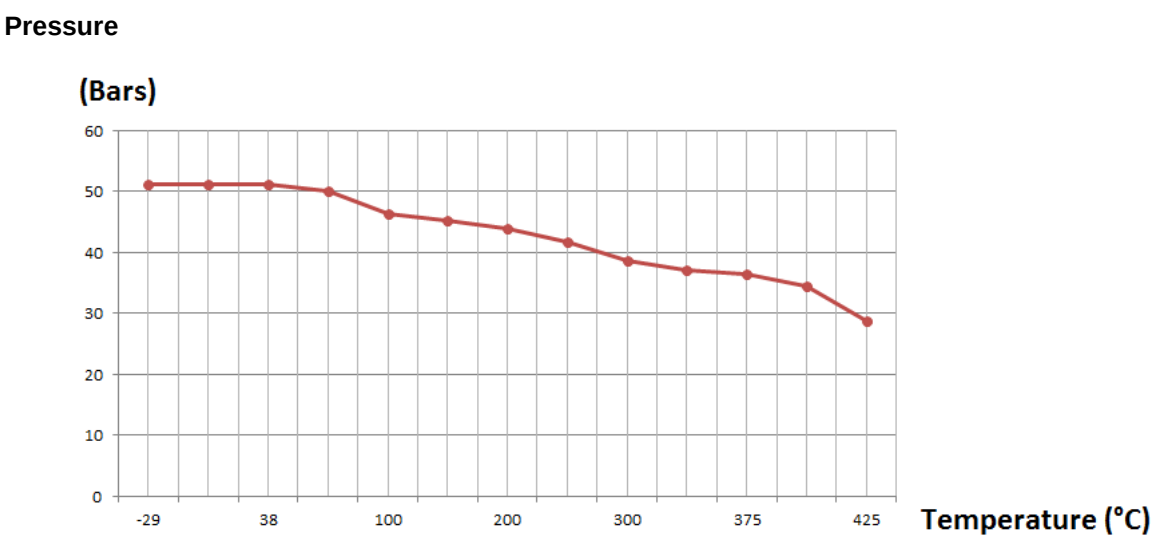
FLOW COEFFICIENT Kvs (M3 / h) :

DN (mm)	15	20	25	40	50
NPS (")	1/2"	3/4"	1"	1"1/2	2"
Kvs (m3/h)	1.3	3.3	5.9	12.3	21.6

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	51.1	51.1	51.1	50.1	46.4	45.2	43.8	41.7	38.7	37	36.5	34.5	28.8
Temperature (°C)	-29	0	38	50	100	150	200	250	300	350	375	400	425

PRESSURE / TEMPERATURE GRAPH :

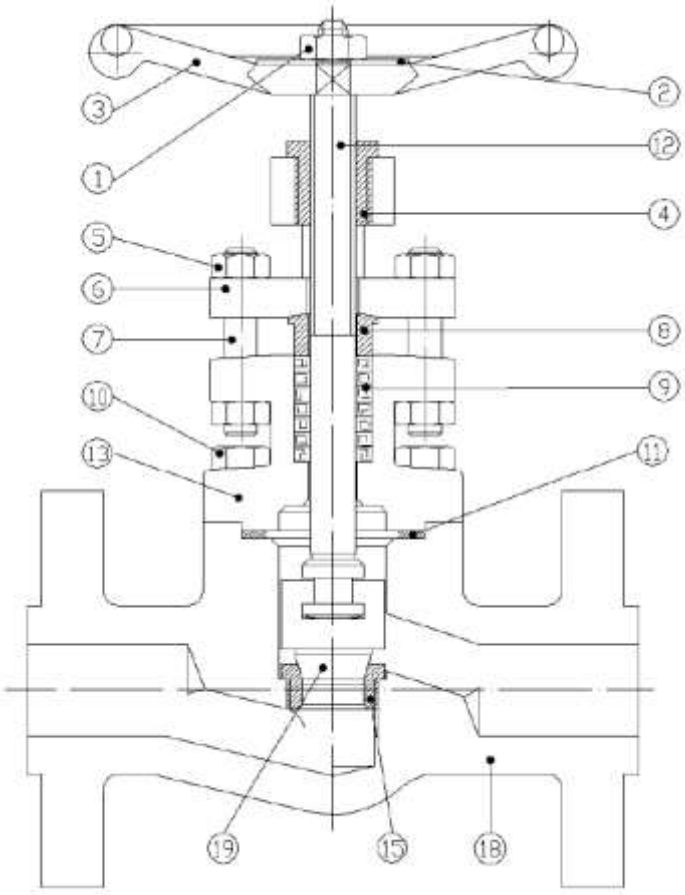


FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

RANGE :

- Forged globe valve A05N with integral body flanges Class 300 (PN50) R.F. **Ref.441** from DN 15 to 50 (NPS 1/2“ to 2“)

MATERIALS :



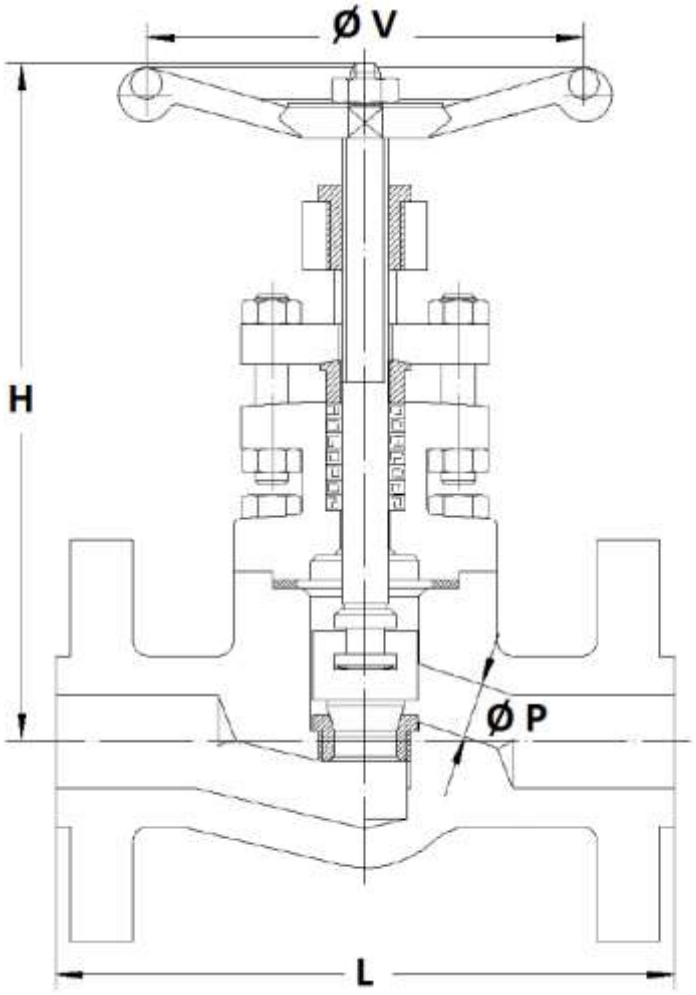
Item	Designation	Materials
1	Handwheel nut	Carbon steel
2	ID plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A473 type 416
5	Gland nut	ASTM A194 2HM
6	Gland flange	ASTM A105
7	Gland stud	ASTM A193 B7M
8	Gland	UNS S31600/S31603
9	Packing	Graphite
10	Screw	ASTM A193 B7M
11	Spiral bonnet gasket	ASTM A182 F316 + graphite
12	Stem	ASTM A479 type 410
13	Bonnet	ASTM A105N
15	Seat	ASTM A276 TP 410 CI 2HF Stellited
18	Body	ASTM A105N
19	Disc	ASTM A182 F6a CI 2HF Stellited

ADL APPENDAGES

REF. 441

FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

SIZE (in mm) :



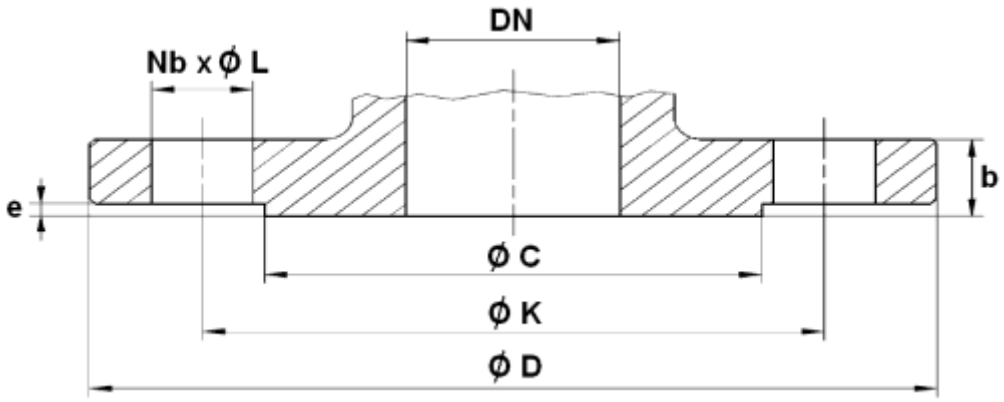
DN (mm)	15	20	25	40	50
NPS (")	1/2"	3/4"	1"	1"1/2	2"
Ø P	9	13	17.5	29.5	35
L	152	178	203	229	267
H (opened)	148	165	180	248	257
Ø V	80	80	110	130	180
Weight (Kg)	3.7	5	7.3	14	20.5
Ref.	441015	441020	441025	441040	441050

ADL APPENDAGES

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FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

FLANGES SIZE (in mm) :



DN (mm)	15	20	25	40	50
NPS (")	1/2"	3/4"	1"	1"1/2	2"
Ø C	34.9	42.9	50.8	73	92.1
Ø D	95.5	117.5	124	156	165.5
Ø K	66.5	82.5	89	114.5	127
Nb x Ø L	4 x 16	4 x 19	4 x 19	4 x 22	8 x 19
b	14.5	16	18	21	22.5
e	1.6	1.6	1.6	1.6	1.6

FORGED CARBON STEEL A105N GLOBE VALVE FLANGED CLASS 300 PN50 RF TRIM 5 BOLTED BONNET STANDARD BORE

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
- Integral body flanges R.F. according to **ASME B16.05**
- Length according to **ASME B16.10 Table 2, Column 15**
- Materials according to NACE MR 01-75

Gegevens ter indicatie, wijzigingen voorbehouden.