ADL APPENDAGES

REF. 444

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

Carbon steel globe valve TRIM8 flanged Class 300 PN50 full bore for water distribution, gas oil, steam, petrochemical, petroleum industry and gas.
Rising and rotating stem with flexible one piece wedge.
Graphite packing for stem and gasket bonnet in stainless steel+graphite.
Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Ex | NACE MR01-75 | Certificate 3.1 | CE | TÜV SÜD PED 2014/68/UE



Size :	DN50 to DN300 (NPS 2" to 12")
Connection :	Flanges RF Class 300 PN50
Min Temperature :	-29°C
Max Temperature :	+425°C
Max Pressure :	50 Bars
Specifications :	Rising rotating stem Bolted bonnet and packing Full bore
Materials :	Carbon steel ASTM A216 WCB

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CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

SPECIFICATIONS :

- Full bore
- Rising rotating stem
- Rising handwheel
- Respect the flow direction indicated by the arrow
- Flanges R.F. Class 300 (PN50)
- Carbon steel
- Bolted bonnet and gland pack
- ½ stellite (Trim 8 , seat with stellite)
- Acrylic grey painting RAL 7001 color, 60 µm thickness
- Corrosion allowance : 3 mm
- ATEX

USE :

- Water distribution, gas oil, steam, petrochemical, petroleum industry, gas
- Min and max Temperature Ts : - 29°C to + 425°C
- Max Pressure Ps : 50 bars
- **Tighten the gland packing in service**

FLOW COEFFICIENT Kvs :

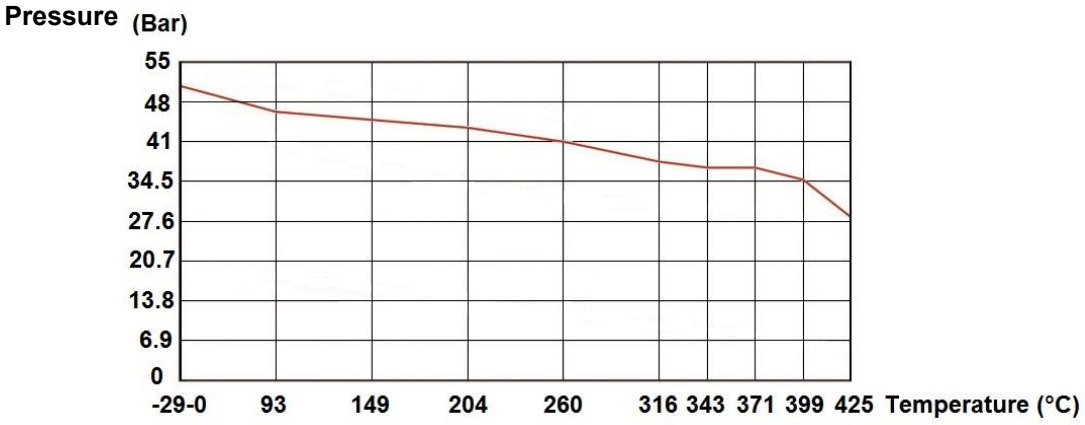
DN (mm)	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Kvs	60	94	162.8	366.3	651.1	1017.4	1456

PRESSURE / TEMPERATURE RELATION :

(According to AMSE B16-34 for A216 WCB)

Pressure (Bar)	51.1	51.1	46.2	45.1	43.8	41.3	37.9	36.9	36.9	34.8	28.2
Temperature (°C)	-29	38	93	149	204	260	316	343	371	399	425

PRESSURE / TEMPERATURE GRAPH :



CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

TORQUE VALUE (in Nm without safety coefficient) :

DN (mm)	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Torque (Nm)	30	84	145	319	617	1600	1988

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

DN (mm)	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Number of cycles	5	5	7	9	9	11	13

RANGE :

- Carbon steel globe valve R.F. flanged Class 300 (PN50) **Ref. 444** From DN 50 to DN 300 (NPS 2“ to 12“)

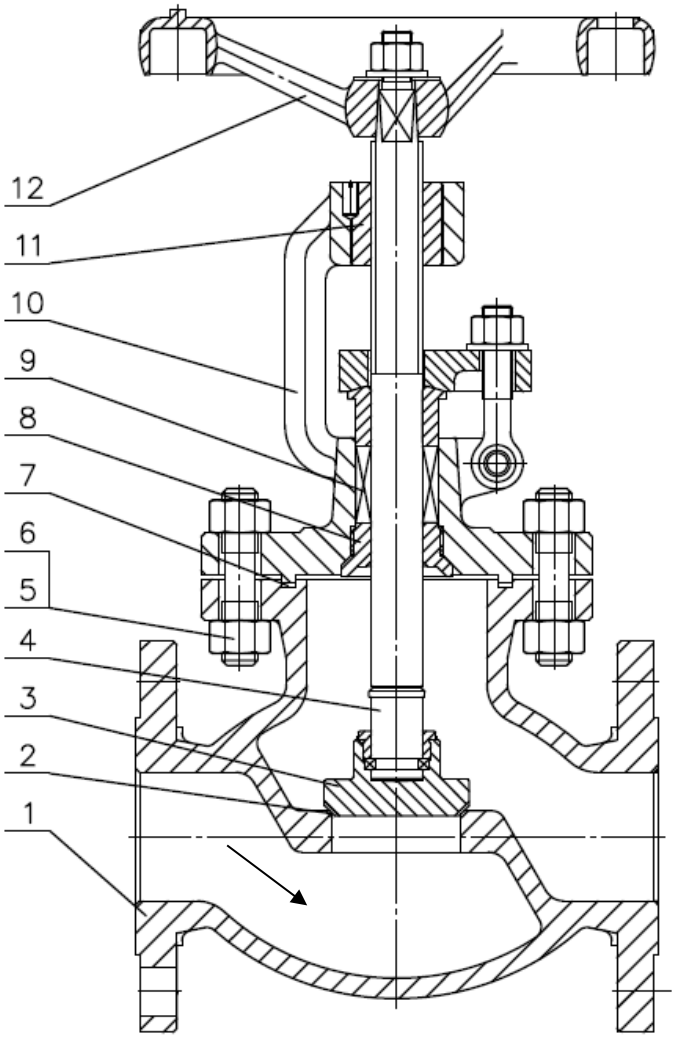
Gegevens ter indicatie, wijzigingen voorbehouden.

ADL APPENDAGES

REF. 444

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

MATERIALS DN50-150 (NPS 2"-6"):



Repairability :



*Gaskets kit (items 7, 8 and 9)	
DN	**Ref.**
DN50 (NPS 2")	9802356
DN80 (NPS 3")	9802357
DN100 (NPS 4")	9802358
DN150 (NPS 6")	9802359

(* : included in gaskets kit)

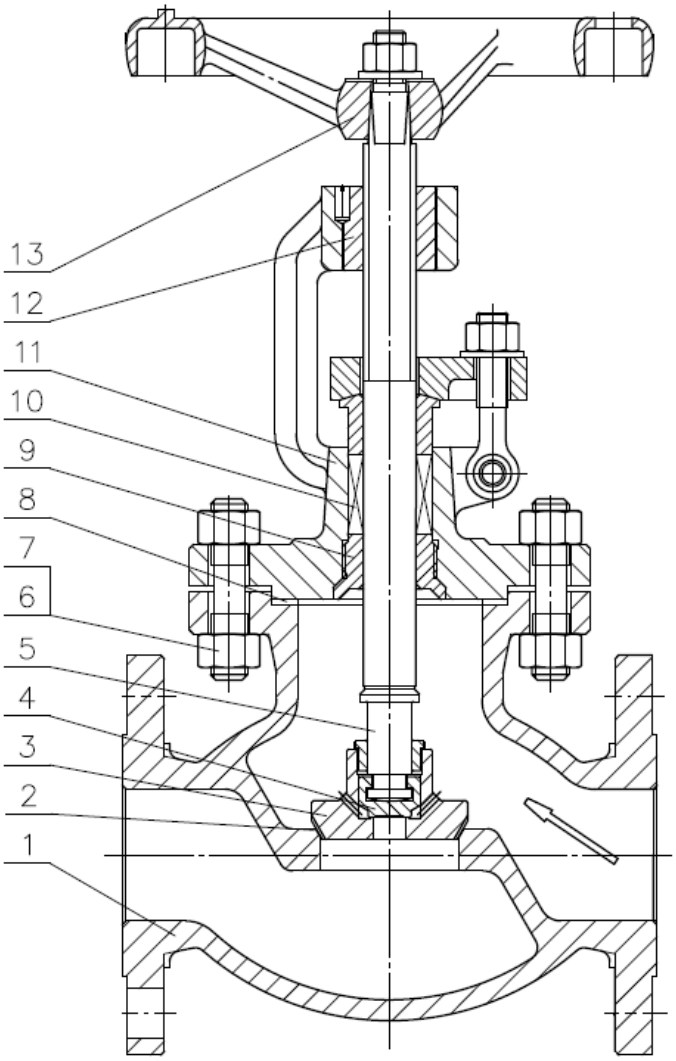
Item	Designation	Materials
1	Body	ASTM A216 WCB
2	Seat	Deposited stellite Gr.6
3	Disc	ASTM A105 + 13Cr
4	Stem	ASTM A182 F6a
5	Sutd bolt	ASTM A193 Gr B7
6	Nut	ASTM A194 Gr 2H
7*	Bonnet gasket	AISI 304 + graphite
8*	Back seat bushing	ASTM A276-420
9*	Packing	Flexible graphite
10	Bonnet	ASTM A216 WCB
11	Stem nut	Aluminium + Bronze
12	Handwheel	Cast iron

ADL APPENDAGES

REF. 444

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

MATERIALS DN200-300 (NPS 8"-12"):



Repairability :



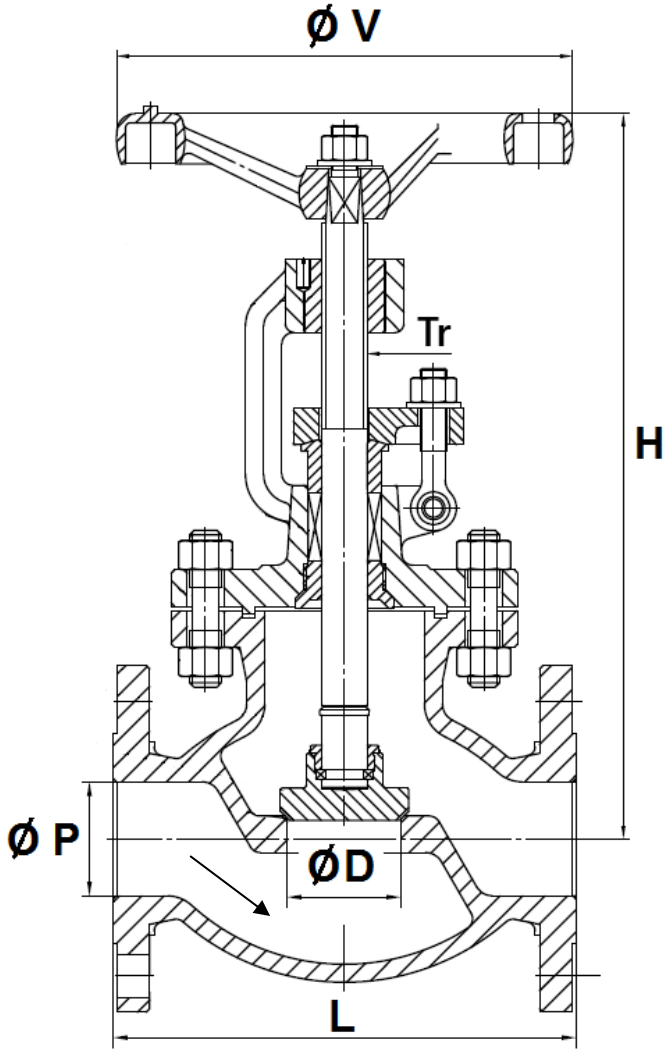
*Gaskets kit (items 8, 9 and 10)	
DN	**Ref.**
DN200 (NPS 8")	9802360
DN250 (NPS 10")	9802361
DN300 (NPS 12")	9802362

(* : included in gaskets kit)

Item	Designation	Materials
1	Body	ASTM A216 WCB
2	Seat	Deposited stellite Gr.6
3	Disc	ASTM A105 + 13Cr
4	Secondary disc	ASTM A276-420
5	Stem	ASTM A182 F6a
6	Stud bolt	ASTM A193 Gr B7
7	Nut	ASTM A194 Gr 2H
8*	Bonnet gasket	AISI 304 + graphite
9*	Back seat bushing	ASTM A276-410
10*	Packing	Flexible graphite
11	Bonnet	ASTM A216 WCB
12	Stem nut	Aluminium + Bronze
13	Handwheel	Cast iron

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

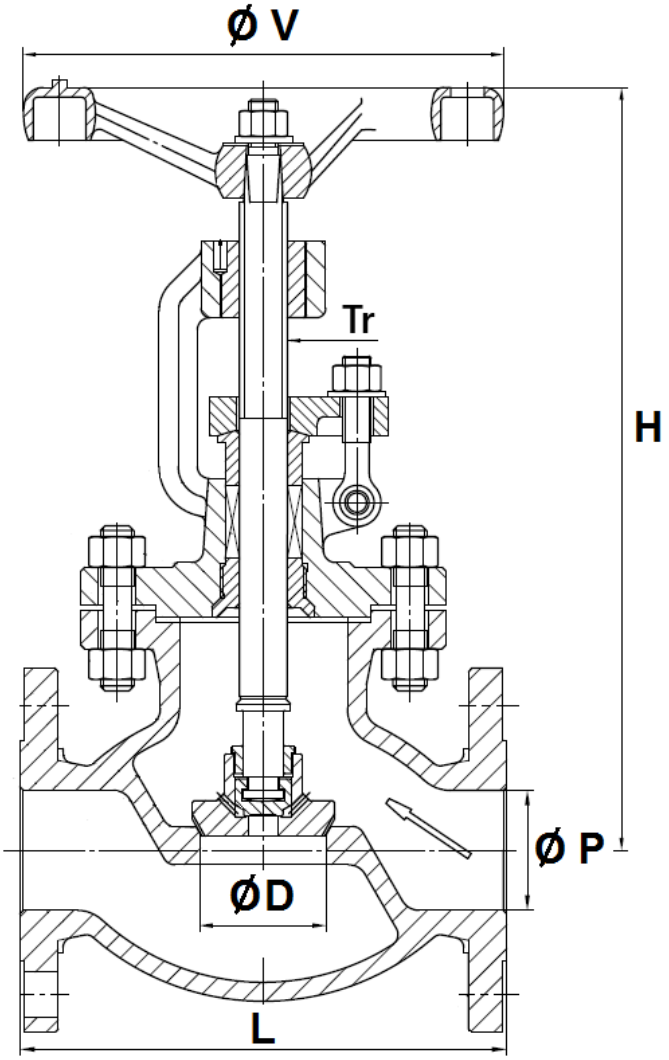
SIZE DN50-150 (NPS 2"-6") (in mm) :



DN (mm)	50	80	100	150
NPS (")	2"	3"	4"	6"
Ø P	51	76	102	152
Ø D	51	76	102	152
L	267	318	356	444
H (opened)	352	435	504	641
H (closed)	335	410	470	590
Ø V	220	280	350	400
Stem threading Tr	Tr24x5	Tr26x5	Tr32x6	Tr36x6
Weight (in Kg)	27	48	76	138
Ref.	444050	444080	444100	444150

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

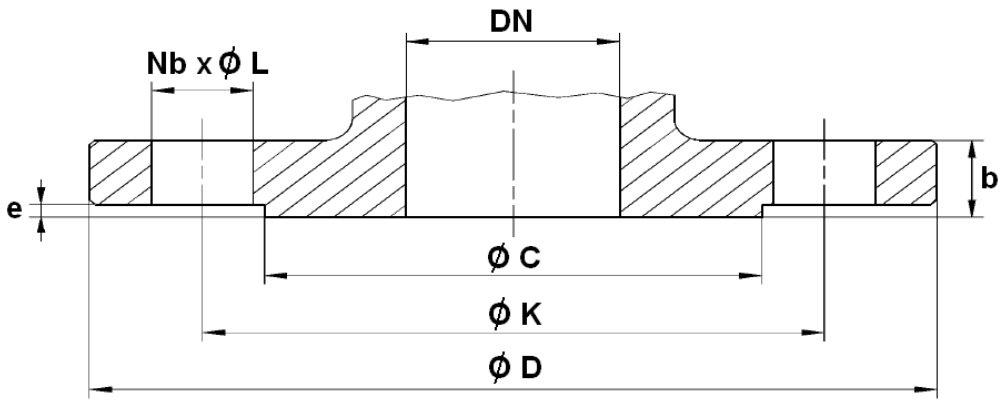
SIZE DN200-300 (NPS 8"-12") (in mm) :



DN (mm)	200	250	300
NPS (")	8"	10"	12"
Ø P	203	254	305
Ø D	200	245	290
L	559	622	711
H (opened)	768	1065	1137
H (closed)	700	980	1035
Ø V	500	600	600
Stem threading Tr	Tr40x6	Tr42x6LH	Tr48x8LH
Weight (in Kg)	240	370	550
Ref.	444200	444250	444300

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

FLANGES SIZE (in mm) :



DN (mm)	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Ø C	92.1	127	157.2	215.9	269.9	323.8	381
Ø D	165	210	255	320	380	445	520
Ø K	127	168.3	200	269.9	330.2	387.4	450.8
Nb x Ø L	8 x 19	8 x 22	8 x 22	12 x 22	12 x 26	16 x 29	16 x 32
b	22.7	29	32.2	37	41.7	48.1	51.3
e	2	2	2	2	2	2	2

CARBON STEEL GLOBE VALVE FLANGED CLASS 300 PN50 TRIM8

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
    - DN50-100 (NPS 2"-4") : Risk Category II, CE0036 marking
    - DN150-300 (NPS 6"-12") : Risk Category III, CE0036 marking
- Certificate 3.1 on request
- Designing according to BS 1873
- Pressure Tests according to API 598, table 6
- Length according to ASME B16.10, table 2 A15 series and EN 558 series 21 (excepted DN200 8")
- Flanges R.F. according to ASME B16.05 Class 300
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU
- Materials according to NACE MR 01-75

Gegevens ter indicatie, wijzigingen voorbehouden.