ADL APPENDAGES

REF. 443

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

Carbon steel globe valve TRIM8 flanged Class 150 PN20 full bore for water distribution, gas oil, steam, petrochemical, petroleum industry and gas.
Graphite packing for stem and gasket bonnet in stainless steel+graphite..
Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

NACE MR01-75

Certificate 3.1

PED 2014/68/UE



Size :	DN50 to DN300 (NPS 2" to 12")
Connection :	Flanges RF Class 150 PN20
Min Temperature :	-29°C
Max Temperature :	+425°C
Max Pressure :	20 Bars
Specifications :	Rising and rotating stem Bolted bonnet and packing Full bore
Materials :	Carbon steel ASTM A216 WCB

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CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

SPECIFICATIONS :

- Full bore
- Rising rotating stem
- Rising handwheel
- Respect the flow direction indicated by the arrow
- Flanges R.F. Class 150 (PN20)
- 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 : 20 bars
- **Tighten the gland packing in service**

FLOW COEFFICIENT Kvs :

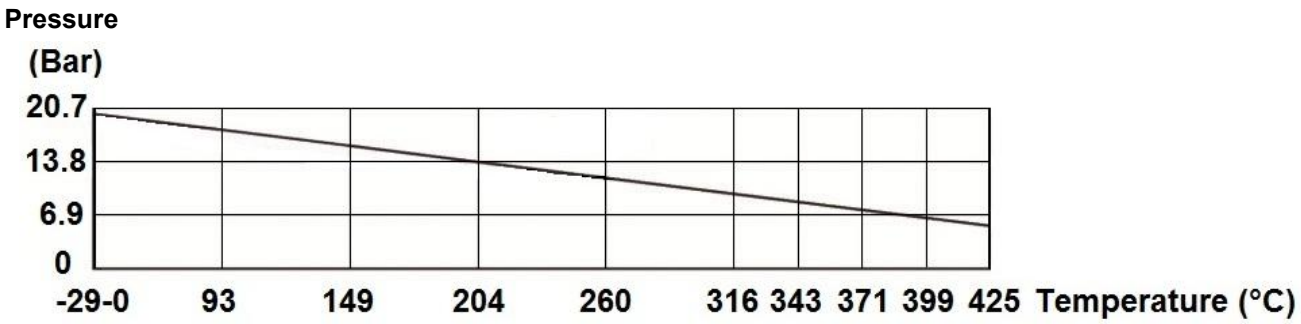
DN (mm)	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Kvs	39	99.8	156	351	624	975	1404

PRESSURE / TEMPERATURE RELATION :

(According to AMSE B16-34 for A216 WCB)

Pressure (Bar)	19.6	19.6	17.9	15.8	13.8	11.7	9.6	8.6	7.6	6.5	5.5
Temperature (°C)	-29	38	93	149	204	260	316	343	371	399	425

PRESSURE / TEMPERATURE GRAPH :



CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

TORQUE VALUE (in Nm without safety coefficient) :

DN	50	80	100	150	200	250	300
NPS (")	2"	3"	4"	6"	8"	10"	12"
Torque (Nm)	19	45	67	129	245	385	601

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

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

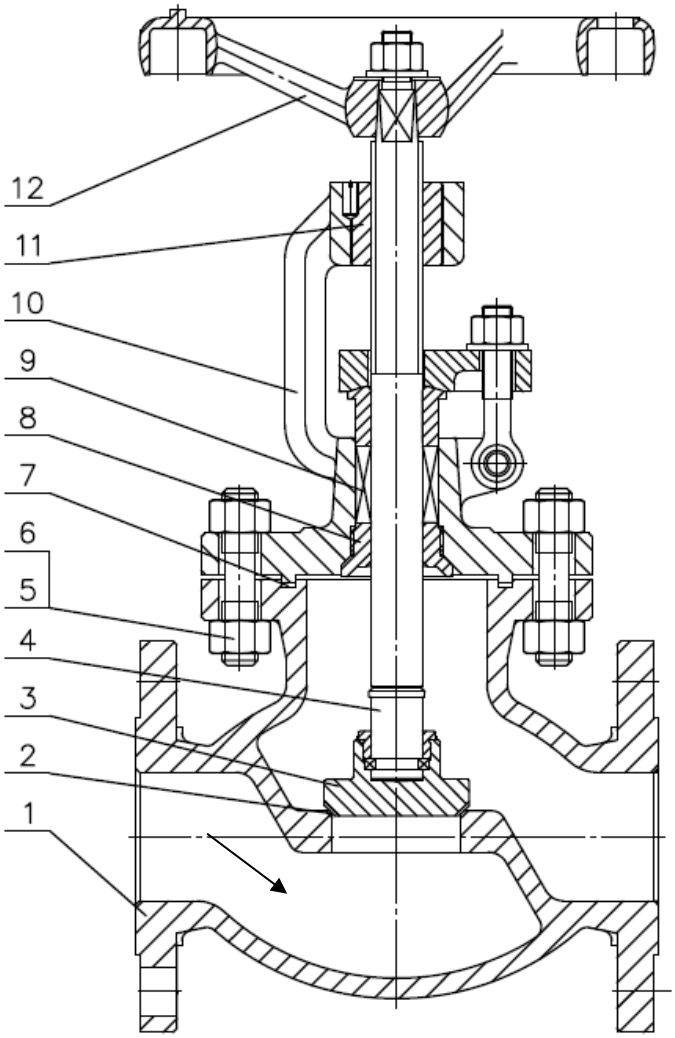
RANGE :

- Carbon steel globe valve R.F. flanged Class 150 (PN20) **Ref. 443** From DN 50 to DN 300 (NPS 2“ to 12“)

Gegevens ter indicatie, wijzigingen voorbehouden.

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

MATERIALS DN50-200 (NPS 2"-8"):



Repairability :



*Gaskets kit (items 7, 8 and 9)	
DN	**Ref.**
DN50 (NPS 2")	9802348
DN80 (NPS 3")	9802350
DN100 (NPS 4")	9802351
DN150 (NPS 6")	9802352
DN200 (NPS 8")	9802353

(* : included in gaskets kit)

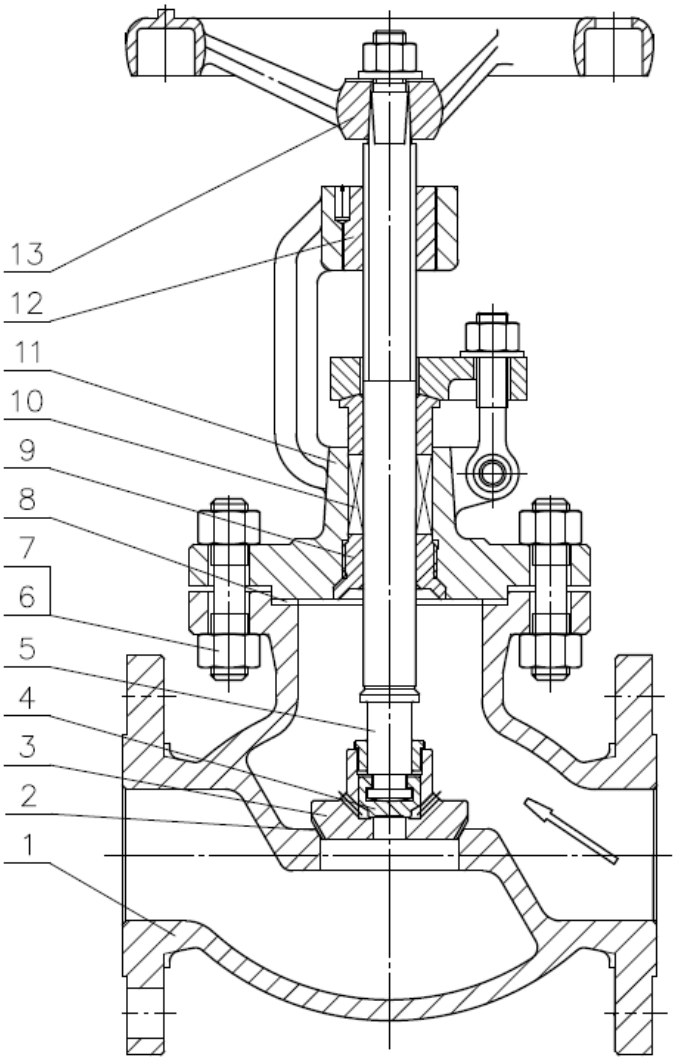
Item	Designation	Materials
1	Body	ASTM A216 WCB
2	Seat	Deposited stellite Gr.6
3	Disc	ASTM A105 + 13Cr
4	Stem	ASTM A182 F6a
5	Sutd bolt	ASTM A193 Gr B7
6	Nut	ASTM A194 Gr 2H
7*	Bonnet gasket	AISI 304 + graphite
8*	Back seat bushing	ASTM A276-420
9*	Packing	Flexible graphite
10	Bonnet	ASTM A216 WCB
11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

ADL APPENDAGES

REF. 443

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

MATERIALS DN250-300 (NPS 10"-12"):



Repairability :



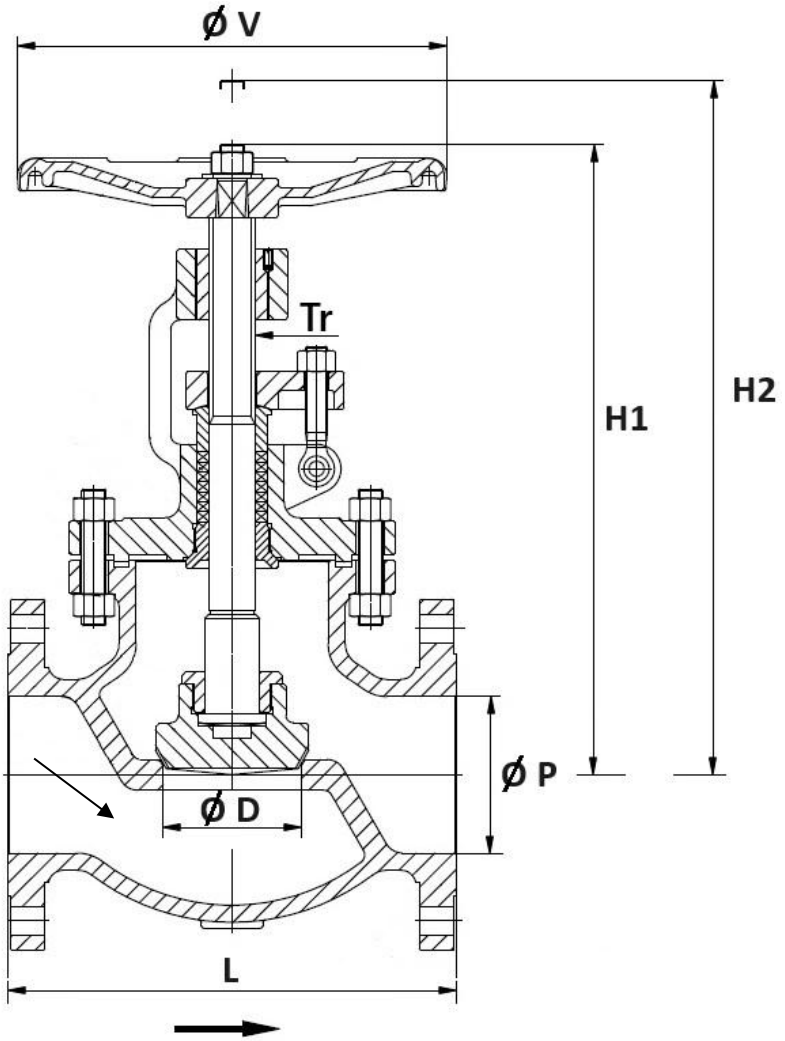
*Gaskets kit (items 8, 9 and 10)	
DN	**Ref.**
DN250 (NPS 10")	9802354
DN300 (NPS 12")	9802355

(* : 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 150 PN20 TRIM8

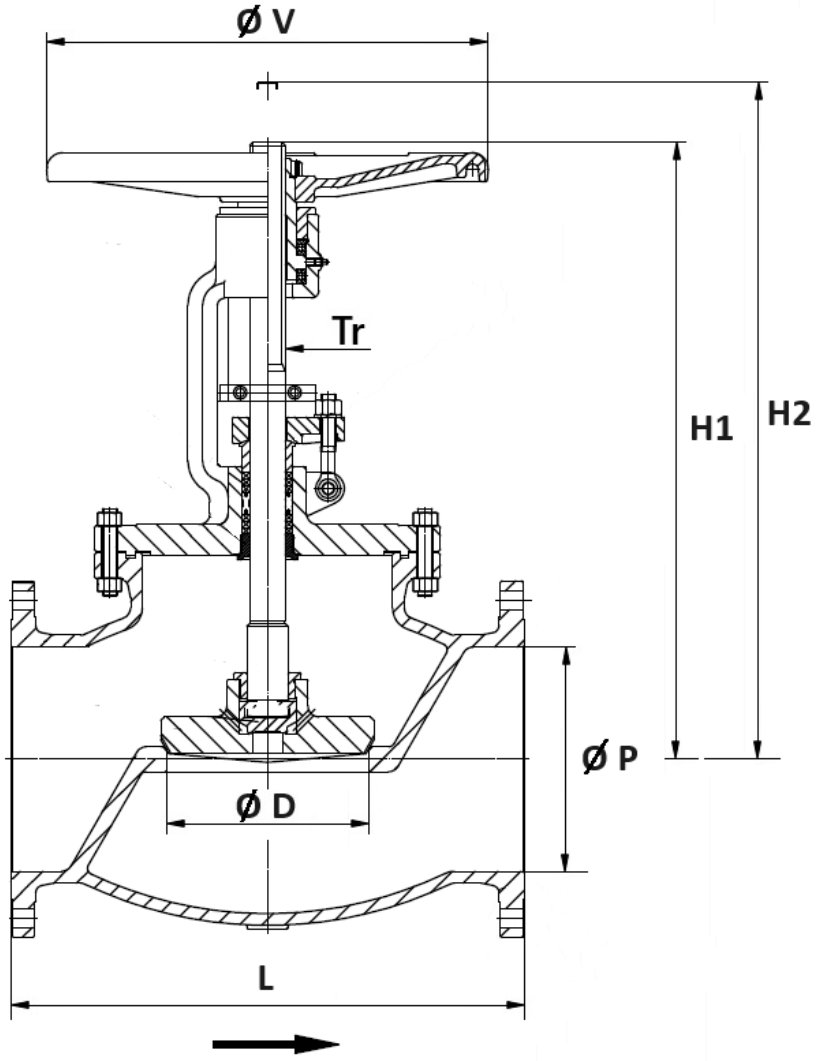
SIZE DN50-200 (NPS 2"-8") (in mm) :



DN (mm)	50	80	100	150	200
NPS (")	2"	3"	4"	6"	8"
Ø P	51	76	102	152	203
Ø D	51	76	102	152	200
L	203	241	292	406	495
H2 (opened)	327	390	446	545	667
H1 (closed)	310	365	408	490	590
Ø V	200	240	280	400	400
Stem threading Tr	Tr20x4	Tr26x5	Tr28x5	Tr36x6	Tr36x6
Weight (in Kg)	17	34	49	95	160
Ref.	443050	443080	443100	443150	443200

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

SIZE DN250-300 (NPS 10"-12") (in mm) :

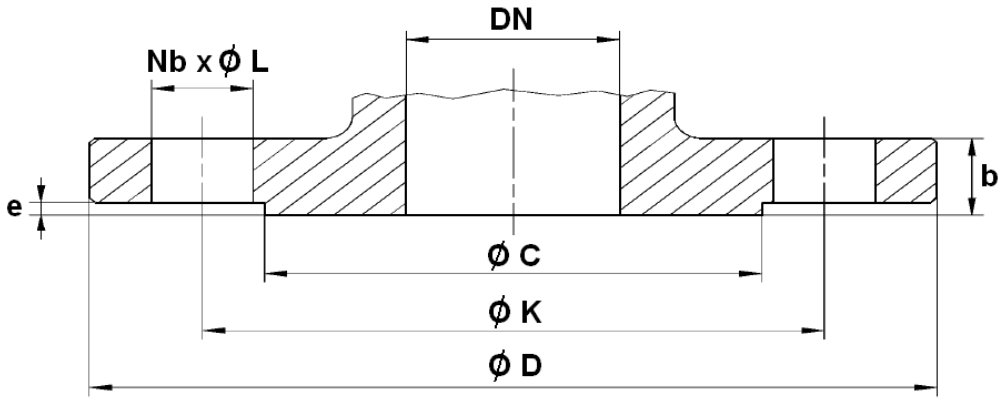


DN (mm)	250	300
NPS (")	10"	12"
Ø P	254	305
Ø D	245	290
L	622	698
H2 (opened)	818	923
H1 (closed)	730	835
Ø V	600	600
Stem threading Tr	Tr40x6LH	Tr44x8LH
Weight (in Kg)	245	339
Ref.	443250	443300

Gegevens ter indicatie, wijzigingen voorbehouden.

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 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	150	190	230	280	345	405	485
Ø K	120.7	152.4	190.5	241.3	298.5	362	431.8
Nb x Ø L	4 x 19	4 x 19	8 x 19	8 x 22	8 x 22	12 x 26	12 x 26
b	16.3	19.5	24.3	25.9	29	30.6	32.2
e	2	2	2	2	2	2	2

Gegevens ter indicatie, wijzigingen voorbehouden.

CARBON STEEL GLOBE VALVE FLANGED CLASS 150 PN20 TRIM8

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
    - DN50 (NPS 2") : Risk Category I, CE0036 marking
    - DN65-150 (NPS 2"1/2-6") : Risk Category II, CE0036 marking
    - DN200-300 (NPS 8"-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 1 A15 series and EN 558 series 10 (EN558 series 7 for DN150 6")
- Flanges R.F. according to ASME B16.05 Class 150
- 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.