ISO 9001 : 2015
BUREAU VERITAS
Certification

REF. 141

CARBON STEEL GATE VALVE FLANGED PN40 TRIM8 LONG PATTERN DIN3202-1 F7

Carbon steel gate valve TRIM8 flanged PN40 full bore for water distribution, gas oil, steam, petrochemical, petroleum industry and gas.
Rising non rotating stem with flexible one piece wedge.
Graphite packing and gasket bonnet in stainless steel+graphite.
Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Certificate 3.1

PED 2014/68/UE



Size :	DN50 to DN300
Connection :	Flanges RF PN40
Min Temperature :	-29°C
Max Temperature :	+425°C
Max Pressure :	40 Bars
Specifications :	Rising non rotating stem Bolted bonnet and packing Full bore
Materials :	Carbon steel ASTM A216 WCB

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SPECIFICATIONS :

- Full bore
- Rising, non-rotating stem
- Fixed non rising handwheel
- Flexible one piece wedge
- Flanges R.F. PN40
- Carbon steel body
- 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 : 40 bars
- **Do not use with scraper**
- **Tighten the gland packing in service**

FLOW COEFFICIENT Kvs :

DN (mm)	50	65	80	100	125	150	200	250	300
Kvs	265	423	614	1124	1806	2690	4948	7729	11548

TORQUE VALUE (in Nm without safety coefficient) :

DN	50	65	80	100	125	150	200	250	300
Torque (Nm)	90	100	130	160	200	290	350	550	700

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

DN	50	65	80	100	125	150	200	250	300
Number of cycles	14	19	19	22	26	28	40	46	53

PRESSURE / TEMPERATURE RELATION :

(According to AMSE B16-34 for A216 WCB)

Pressure (Bar)	40	40	39.5	36.6	35.7	34.6	32.9	30.6	29.2	28.8	27.2	22.7
Temperature (°C)	-29	38	50	100	150	200	250	300	350	375	400	425

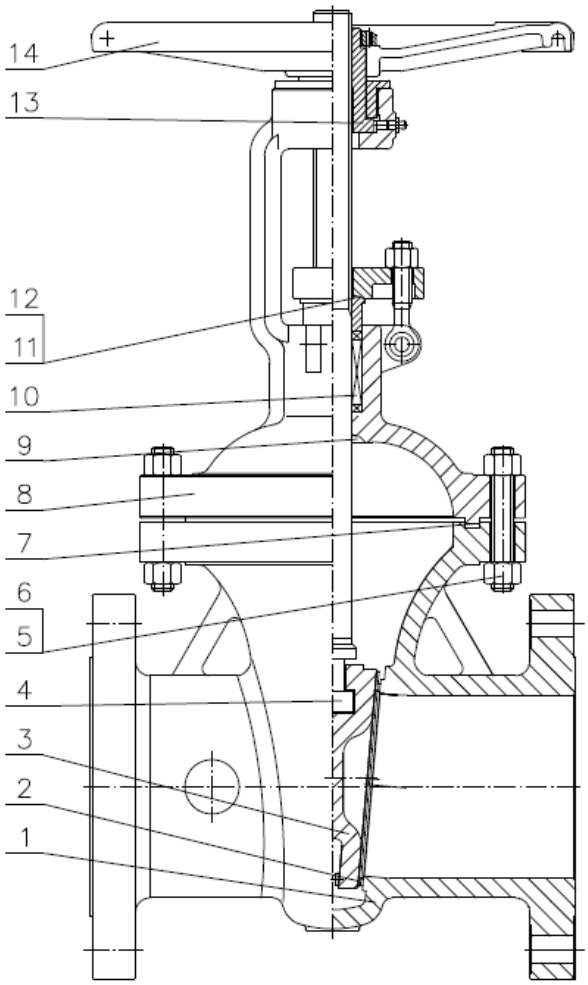
RANGE :

- Carbon steel gate valve with flanges R.F. PN40 and handwheel **Ref. 141** from DN50 to DN300

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CARBON STEEL GATE VALVE FLANGED PN40 TRIM8 LONG PATTERN DIN3202-1 F7

MATERIALS DN50-125 :



Repairability :



*Gaskets kit (Items 7 and 10)	
DN (mm)	**Ref.**
50	9802380
65	9802381
80	9802382
100	9802383
125	9802384

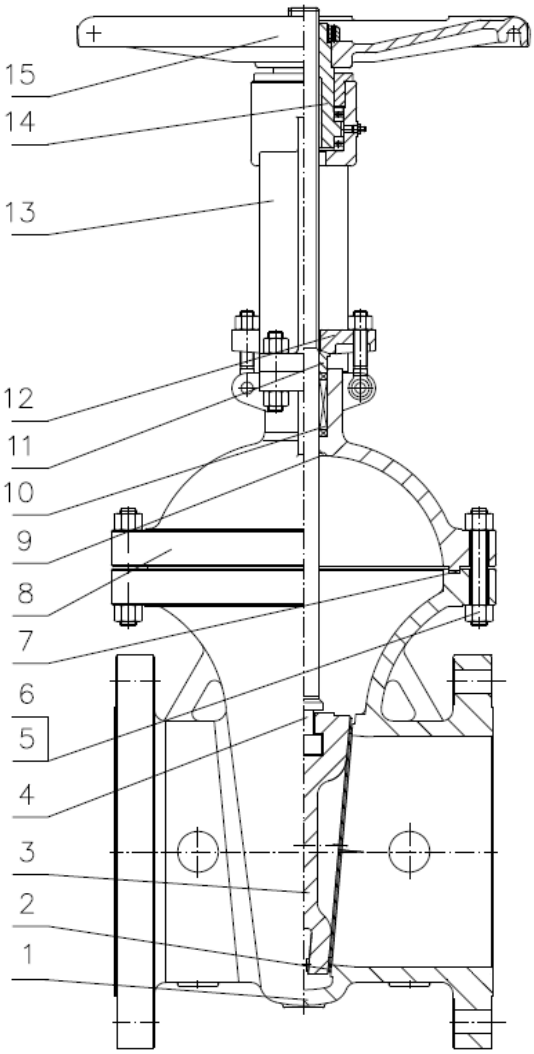
(* : included in gaskets kit)

Item	Designation	Materials
1	Body	ASTM A216 WCB
2	Seat	ASTM A105 + Stellite Gr.6
3	Wedge	ASTM A216 WCB + 13Cr
4	Stem	ASTM A182 F6a
5	Stud bolt	ASTM A193 Gr B7M
6	Nut	ASTM A194 Gr 2HM
7*	Bonnet gasket	AISI 304 + graphite
8	Bonnet	ASTM A216 WCB
9	Back seat bushing	Deposited 13Cr
10*	Packing	Flexible graphite
11	Packing gland	ASTM A276 420
12	Gland flange	Steel
13	Stem nut	Brass
14	Handwheel	Cast iron

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MATERIALS DN150-300 :



Repairability :



*Gaskets kit (Items 7 and 10)	
DN (mm)	**Ref.**
150	9802385
200	9802386
250	9802387
300	980238825

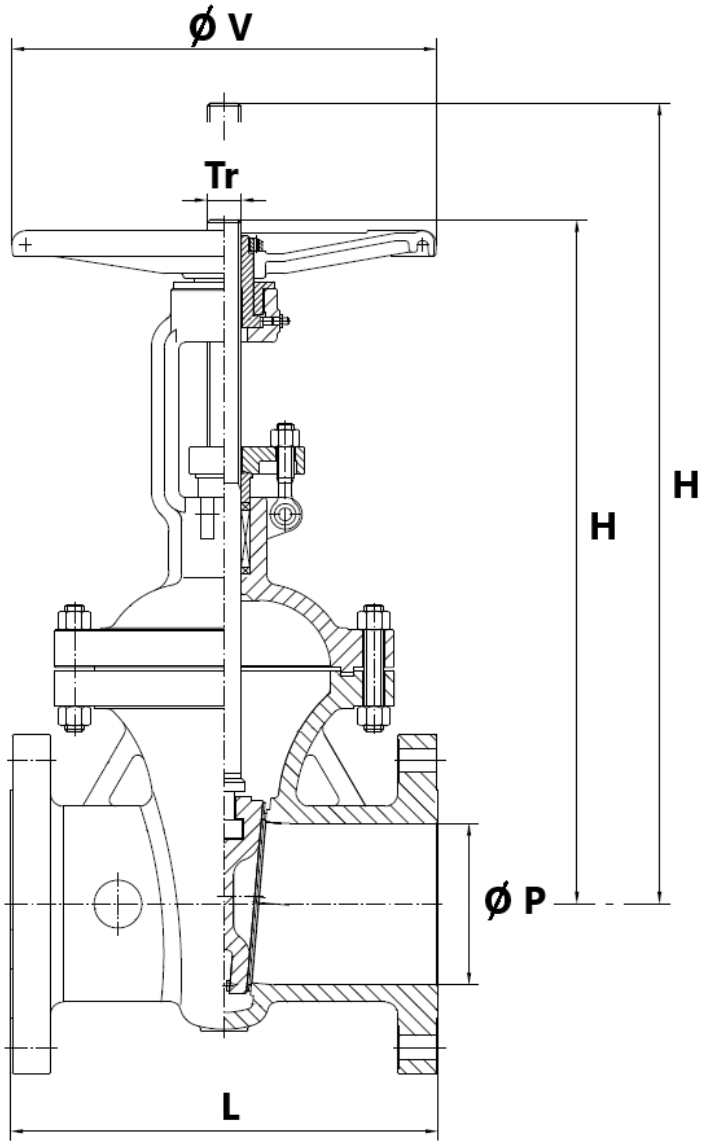
(* : included in gaskets kit)

Item	Designation	Materials
1	Body	ASTM A216 WCB
2	Seat	ASTM A105 + Stellite Gr.6
3	Wedge	ASTM A216 WCB + 13Cr
4	Stem	ASTM A182 F6a
5	Stud	ASTM A193 Gr B7M
6	Nut	ASTM A194 Gr 2HM
7*	Bonnet gasket	AISI 304 + graphite
8	Bonnet	ASTM A216 WCB
9	Back seat bushing	Deposited 13Cr
10*	Packing	Flexible graphite
11	Packing gland	ASTM A276 420
12	Gland flange	Steel
13	Yoke	ASTM A216 WCB
14	Stem nut	Brass
15	Handwheel	Cast iron

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SIZE DN 50-125 (in mm) :

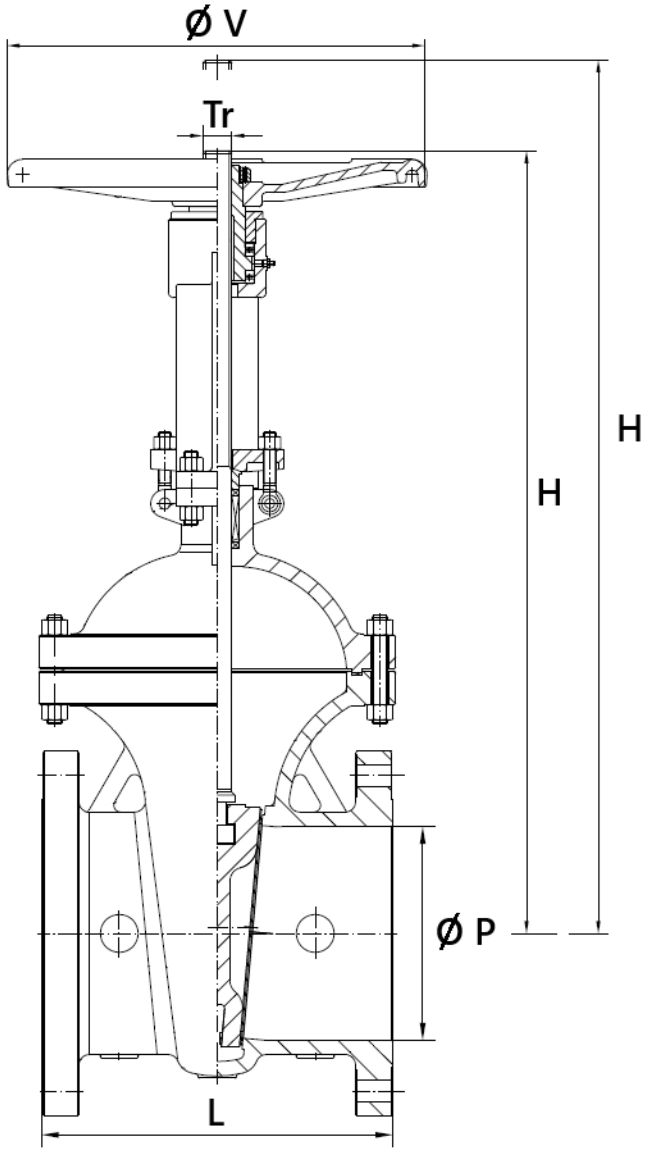


DN (mm)	50	65	80	100	125
Ø P	50	63	76	100	125
L	250	290	310	350	400
H (opened)	410	450	505	600	670
H (closed)	330	370	420	490	530
Ø V	240		280	300	
Stem threading Tr	Tr18x4LH		Tr22x5LH	Tr24x5LH	Tr28x5LH
Weight (Kg)	20	27	37	55	75
Ref.	141050	141065	141080	141100	141125

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SIZE DN 150-300 (in mm) :

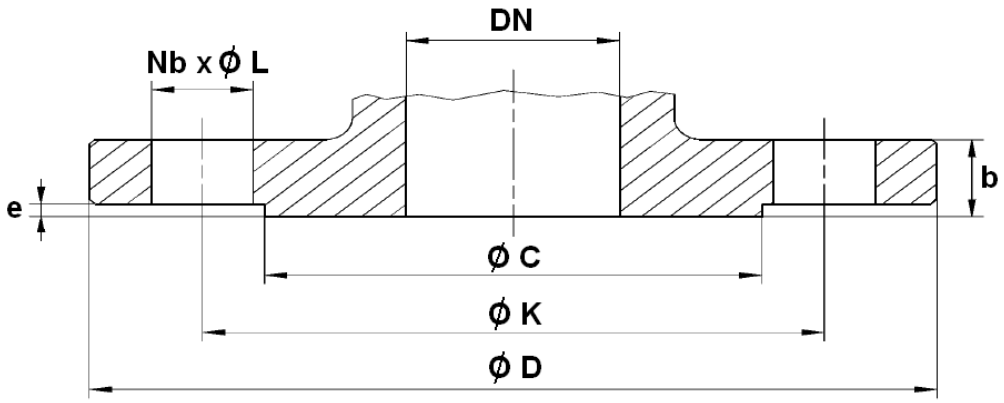


DN (mm)	150	200	250	300
Ø P	150	200	250	300
L	450	550	650	750
H (opened)	790	1055	1250	1470
H (closed)	625	815	990	1155
Ø V	350	400	500	600
Stem threading Tr	Tr32x6LH	Tr36x6LH	Tr38x6LH	Tr42x6LH
Weight (Kg)	102	202	344	488
Ref.	141150	141200	141250	141300

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FLANGES SIZE (in mm) :



DN (mm)	50	65	80	100	125	150	200	250	300
Ø C	102	122	138	162	188	218	285	345	410
Ø D	165	185	200	235	270	300	375	450	515
Ø K	125	145	160	190	220	250	320	385	450
Nb x Ø L	4 x 18	8 x 18	8 x 18	8 x 22	8 x 26	8 x 26	12 x 30	12 x 33	16 x 33
b	20	22	24	24	26	28	34	38	42
e	3	3	3	3	3	3	3	3	4

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STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
  - DN50-100 : Risk Category II, CE 0036 marking
  - DN125-300 : Risk Category III, CE 0036 marking
- Certificate 3.1 on request
- Designing according to EN 1984
- Pressure Tests according to EN 122661-1, Rate B
- Length according to EN 558 series 26 (DIN 3202-1, series F7)
- Flanges R.F. according to EN 1092-1 PN40
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 &22 (optional marking) according to directive 2014/34/EU