Ref. : VAS5211

Rev. : Initial

Date : 08/01/2015

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FLANGED TYPE FORGED GATE VALVE PN20

VAS 5211

Tecofi
VALVE DESIGNER - FRANCE

APPLICATION

General use: Petroleum industry, steam, high pressure.

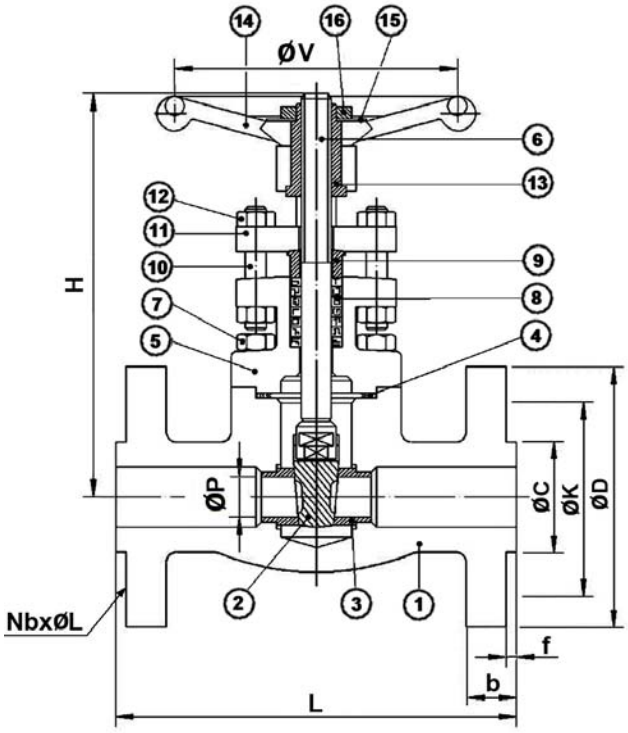


GENERAL CHARACTERISTICS

Standard bore
Integral body flanges
Rising non rotating stem (OS&Y)
Bolted bonnet
Bolted packing
Forged carbon steel A105N
Full stellite (Trim 5)
Flanges R.F. ISO PN20 ANSI150.

CONSTRUCTION

Pos.	Description	Material
16	Handwheel nut	Carbon steel
15	ID plate	Aluminium
14	Handwheel	Carbon steel
13	Yoke nut	Steel ASTM A473 type 416
12	Gland nut	Steel ASTM A194 2H
11	Gland flange	Steel ASTM A105
10	Packing tie rod	SS ASTM A276 type 410
9	Gland	SS ASTM A276 type 410
8	Packing	Graphite
7	Screw	Steel ASTM A193 B7
6	Stem	SS ASTM A276 type 410
5	Bonnet	Steel ASTM A105N
4	Gasket	SS ASTM A182 F316 + graphite
3	Seat	SS ASTM A276 type 410 Stellite
2	Wedge	Steel ASTM A182 F6a stellite
1 B	ody	Steel ASTM A105N



DIMENSIONS

DN mm	DN inch	L	H (opened)	ØP	Ø V	ØC	ØK	ØD	NbxØL	f	b	Weight (kg)
15	1/ 2"	108	185	14	80	34.9	60.5	89	4xØ16	1.6	11.5	3.4
20	3/4"	117	210	18	80	42.9	70	98.5	4xØ16	1.6	13	3.8
25	1"	127	240	24	110	50.8	79.5	108	4xØ16	1.6	14.5	5.7
40	1"1/2	165	285	36.5	130	73 9	8.5	127	4xØ16	1.6	18	9.7
50	2"	178	315	48.5	130	92.1	120.5	152.5	4xØ19	1.6	19.5	15

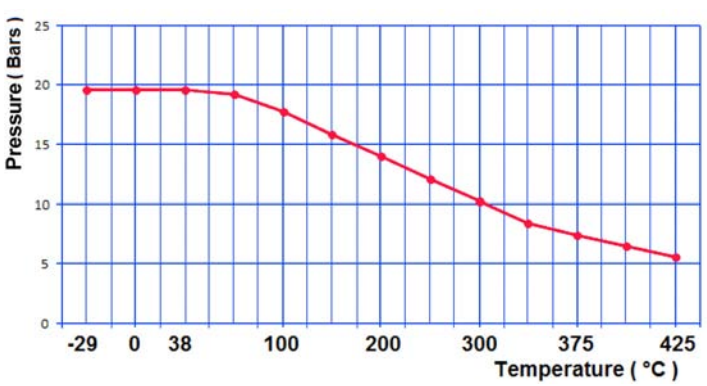
WORKING CONDITIONS

Maximum working pressure : 20 bar.
Maximum working temperature : -29°C/+425°C.

STANDARDS

Fabrication according to **ISO 9001 :2008**
DIRECTIVE 2014/68/UE
Risk category III module H
Designing according to **ISO 15761** and **API 602** 8th
Approval certificate **API 6D**
Tests according to **API 598**
Approval certificate Russian Federation **GOST-R**
Valves approved by the main oil industries
ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 &22
Integral body flanges R.F. according to **ASME B16.05**
Length according to **EN 558 Series 3**

PRESSURE / TEMPERATURE GRAPH



TECOFI France - 83, Rue Marcel Mérieux 69960 Corbas - FRANCE
Tél. +33 (0) 4 72 79 05 79 - Fax +33 (0) 4 78 90 19 19 / +33 (0) 4 72 79 05 70
Adresses e-mail : sales@tecofi.fr ; tecofi@tecofi.fr / Site web : **www.tecofi.fr**

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