ADL APPENDAGES

REF. 453

STAINLESS STEEL F316 FORGED GLOBE VALVE CLASS 800 TRIM12 NPT

EVOLUTION PRODUIT



Be careful, our valves Ref.453 are changing

For a TRIM12 instead of a TRIM10

At the end, only the TRIM12 valves will be available

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STAINLESS STEEL F316 FORGED GLOBE VALVE CLASS 800 TRIM12 NPT

Forged stainless steel globe valve TRIM10 or TRIM12 NPT Class 800 standard bore for petroleum industry, steam, oil and gas and high pressure.
Rising and rotating stem (OS&Y) 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 :	DN 3/8" to 2"
Connection :	NPT
Min Temperature :	-49°C
Max Temperature :	+538°C
Max Pressure :	132 Bars (Class 800)
Specifications :	Rising and rotating stem (OS&Y) Bolted bonnet and gland pack Standard bore
Materials :	Forged stainless steel ASTM A182 F316

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REF. 453

STAINLESS STEEL F316 FORGED GLOBE VALVE CLASS 800 TRIM12 NPT

SPECIFICATIONS :

- Respect the flow direction (indicated by the arrow)
- Standard bore
- Rising rotating stem (OS&Y)
- Bolted bonnet and gland pack
- Forged stainless steel F316
- TRIM10 or TRIM12
- Class 800

USE :

- Petroleum industry, steam, high pressure
- Min and max Temperature Ts : - 49°C to + 538°C
- Max Pressure Ps : 132 bars (see graph)

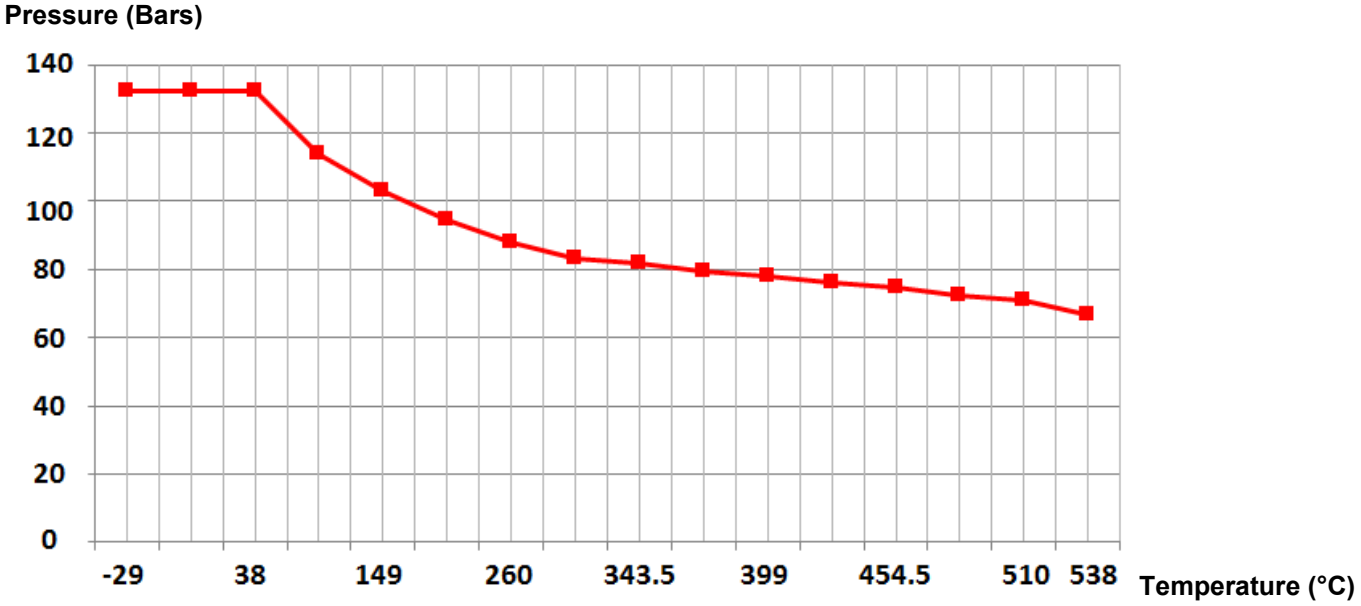
FLOW COEFFICIENT Kvs (M3 / h) :

DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Kvs (m3/h)	1.2	1.3	3.3	5.9	9.5	12.4	21.6

PRESSURE / TEMPERATURE RELATION :

Pressure (bar)	132.4	132.4	132.4	114.1	103.1	94.5	87.9	83.1	81.7	79.3	77.9	76.2	74.5	72.4	71	66.9
Temperature (°C)	-49	0	38	93,5	149	204,5	260	315,5	343,5	371	399	425	454.5	482	510	538

PRESSURE / TEMPERATURE GRAPH :



RANGE :

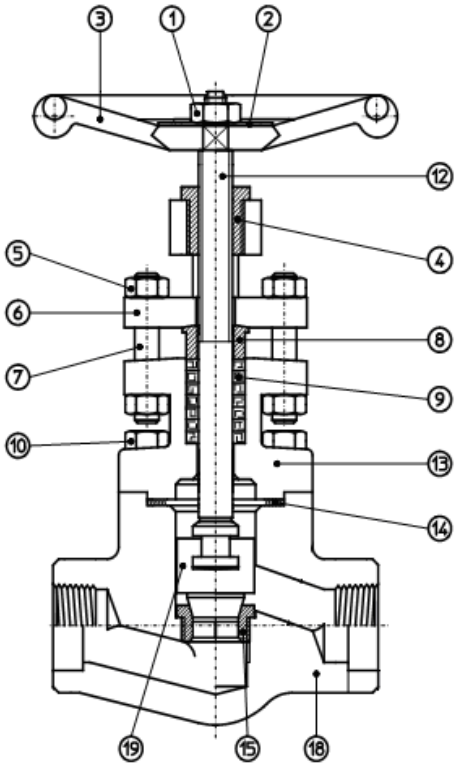
- Forged A182 F316 stainless steel globe valve TRIM10 or TRIM12 with threaded female NPT ends **Ref.453** DN 3/8“ to DN 2“

ADL APPENDAGES

REF. 453

STAINLESS STEEL F316 FORGED GLOBE VALVE CLASS 800 TRIM12 NPT

MATERIALS :



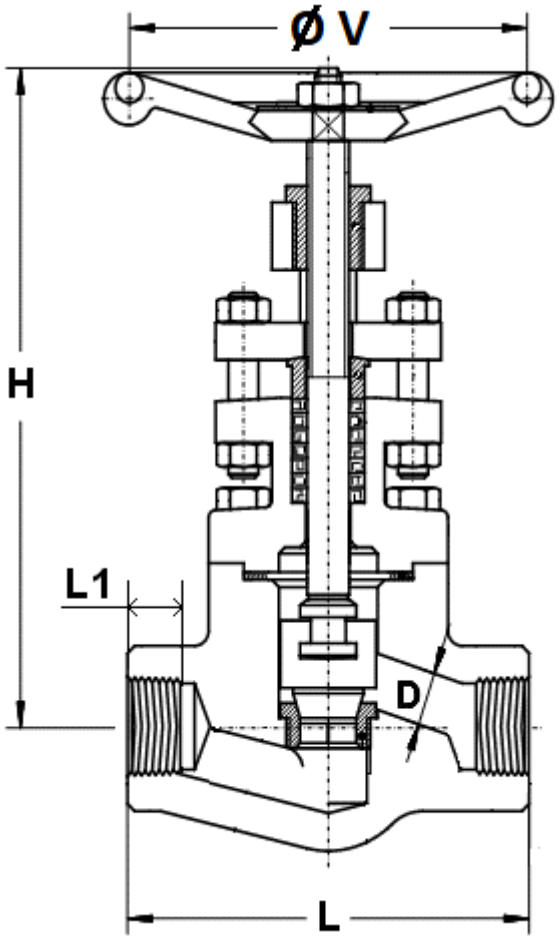
Item	Designation	Materials
1	Wheel nut	Carbon steel
2	Name plate	Aluminium
3	Handwheel	Carbon steel
4	Yoke nut	ASTM A582 type 303
5	Gland nut	ASTM A194 GR.8
6	Gland flange	ASTM A182 F304
7	Gland stud	ASTM A193 B8
8	Gland	ASTM A479 type 304
9	Packing	Graphite
10	Bolts	ASTM A193 B8
12	Stem	ASTM A479 type 316
13	Bonnet	ASTM A182 F316
14	Gasket	AISI 316 + graphite spiral wound
15	Seat	ASTM A479 type 316 or with Stellite Gr.6
18	Body	ASTM A182 F316
19	Disc	ASTM A479 type 316

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REF. 453

STAINLESS STEEL F316 FORGED GLOBE VALVE CLASS 800 TRIM12 NPT

SIZE (in mm) :



DN (")	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø D	9	9	13	17.5	22.5	29.5	35
L	80	80	90	110	127	155	170
H (opened)	148	148	165	180	213	248	257
Ø V	90	90	90	110	130	130	180
L1	13	15	18	19	20	21	21
Weight (in Kg)	1.9	1.9	2.18	3.52	5.3	7.3	11.3
Ref.	453003	453004	453005	453006	453007	453008	453009

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REF. 453

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STANDARDS :

- Manufacturer certified **ISO 9001 : 2015**
- DIRECTIVE 2014/68/EU: For liquids or Gas of Group 1
    - DN 3/8"-1" : Article 4, §3 (SEP), no CE marking
    - DN 1"1/4-2" : 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
- Threaded female NPT ends according to **ANSI B1.20.1**

Gegevens ter indicatie, wijzigingen voorbehouden.