

PNEUMATIC ON-OFF VALVE TYPE TOR NP

Description

Compact On-Off valve with a tight shutoff especially designed for steam and all liquids and gases compatible with the used materials. The valve type TOR NP offers a good and reliable solution for control valve inlet isolation.

Characteristics

Flanges DN15 to DN100

Threaded ½" to 2"

Body materials :

Cast steel 1.0619/A 216 WCB

Cast stainless steel 1.4408/A 351 CF8M

TMA : -10°C / + 230°C

Flanges : PN16 – PN25 – PN40 forme B1, Class 150 et 300.

Temperature - Pressure : According EN1092

Valve plug : Both Metal and soft sealing

Leakage rate : Class VI ANSI B16-104

2 fail-safe positions :

- Fail close (Po)

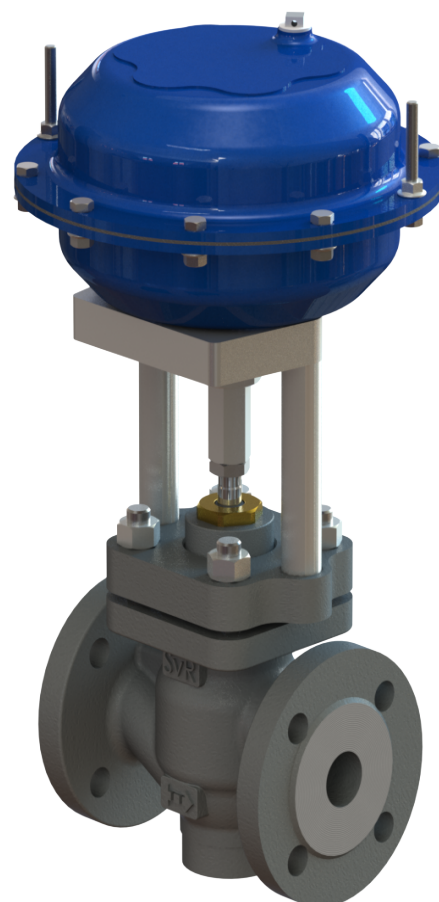
- Fail open (Ps)

Options :

Handwheel

Limit switch

Solenoid valve



How to order?

TOR NP Po DN15 PN40

Directive européenne sur les appareils à pression 97/23/CE

This valve is compliant with 97/23/CE PED

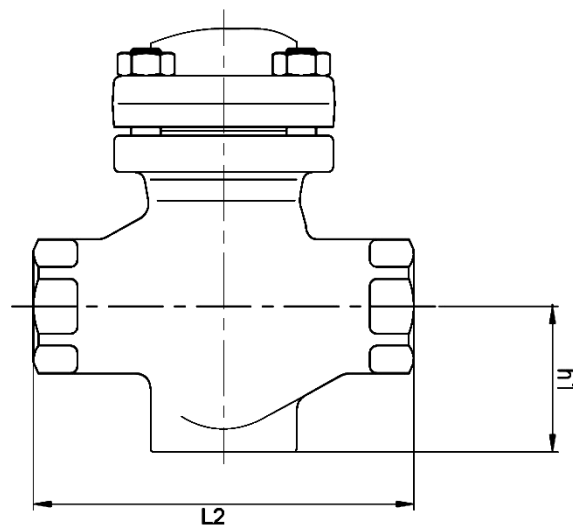
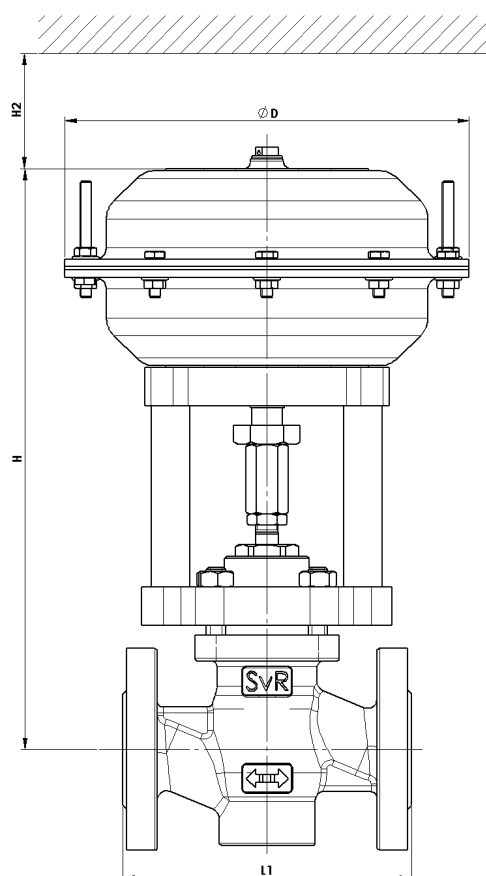
Size

DN	15	20	25	32	40	50	65	80	100
Kvs	5.2	7.8	13.8	18.6	26.8	37.8	63	95	148
Actuator type	PA35						PA60		
Surface (cm ²)	180						400		
Stroke (mm)	10	10	10	10	10	13	16	20	25
Max air supply (bar)	6								
Pressure connection	¼ " NPT								
Weight (Kg)	13	14	15	20	24	26	42	52	71

Maximum Differential Pressure

DN	Actuators Type								
	15	20	25	32	40	50	65	80	100
Fail close(Po)	PA35 B6 3S		PA35 B6 5S				PA60 A6 5S		
Minimum air supply	3.0		4.5						
Maximum diff. pressure	40	40	40	40	35	21	29	17	10
Fail open (Ps)	PA35 B6 2G						PA60 A6 3R		
Minimum air supply	4.5								
Maximum diff. Pressure	40	40	40	40	40	37	40	30	16

Dimensions



Actuators	Ø D
PA35	210
PA60	310

Threaded

DN	½"	¾"	1"	1¼"	1½"	2"
L2	130			200		
H1	50			90		

ISO PN16 – 25 – 40

DN	15	20	25	32	40	50	65	80	100
L1	130	150	160	180	200	230	290	310	350
H	302	302	306	311	335	331	363	375	394
H2	110						120		

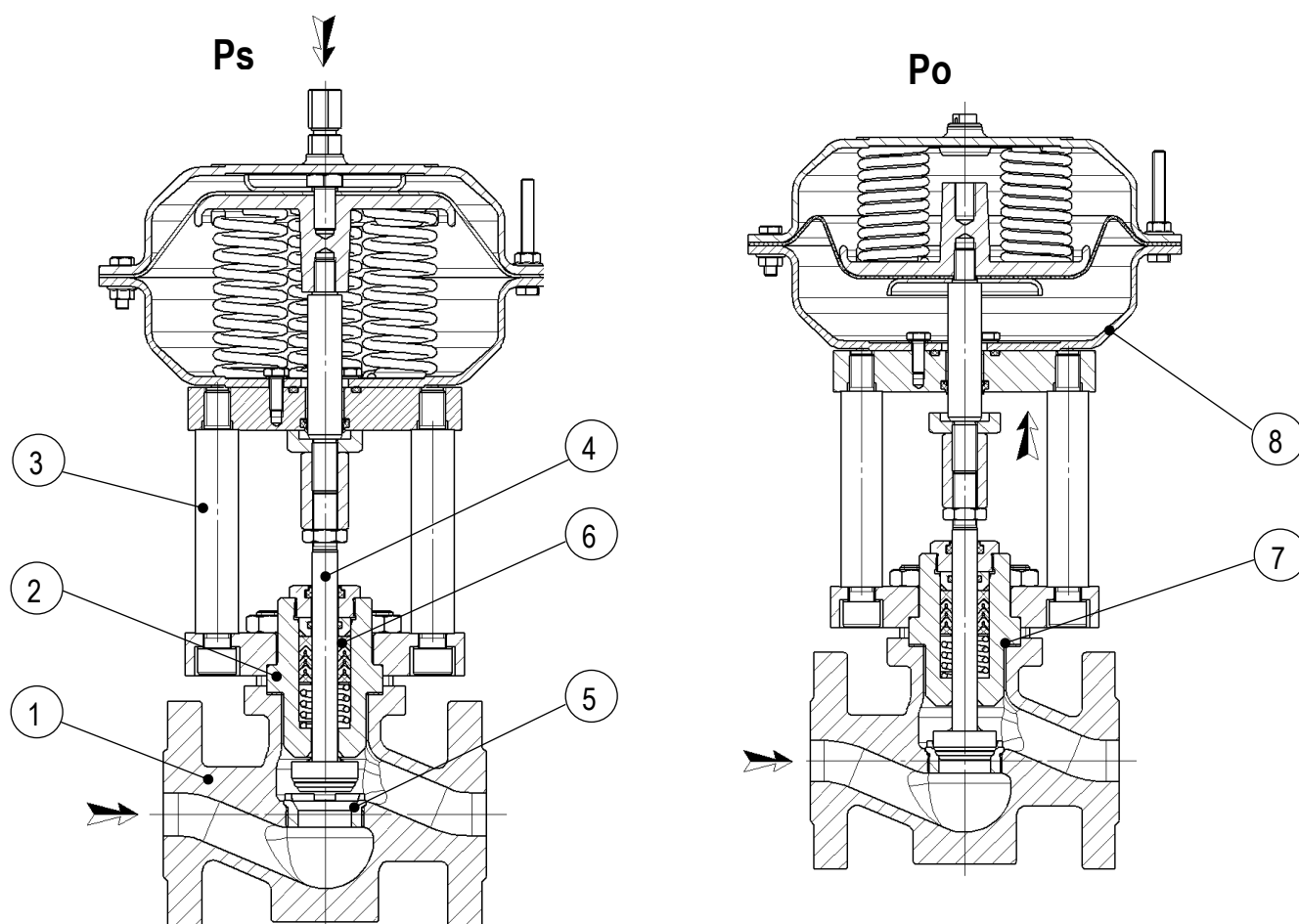
ANSI Class 150

DN	½"	¾"	1"	1¼"	1½"	2"	3"	4"
L1 RF	184	184	184	/	222	254	298	353
L1 RTJ	/	/	197	/	235	267	311	365

ANSI Class 300

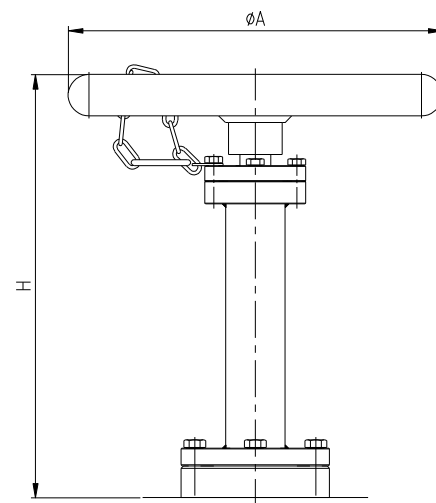
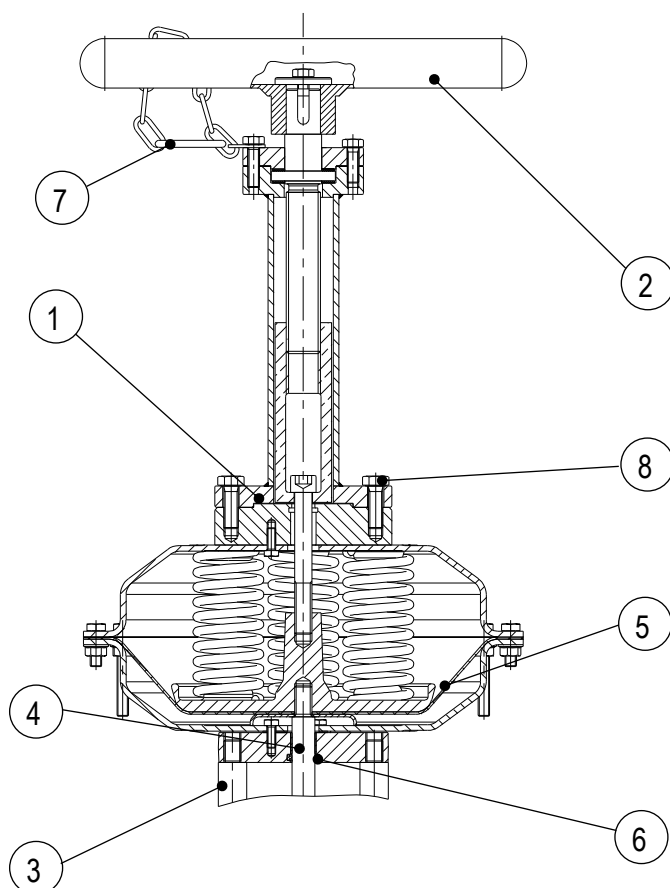
DN	½"	¾"	1"	1¼"	1½"	2"	3"	4"
L1 RF	190	194	197	/	235	267	318	368
L1 RTJ	201	207	210	/	248	283	333	384

Description



lt.	Designation	Materials
1	Body	Steel 1.0619 / Stainless steel 1.4408
2	Cover	Steel / Stainless steel
3	Yoke	Steel
4	Stem/Plug	Stainless steel and PTFE
5	Seat	Stainless steel
6	Spindle packing	PTFE loaded Graphite
7	Cover gasket	Graphite
8	Pneumatic actuator	Steel

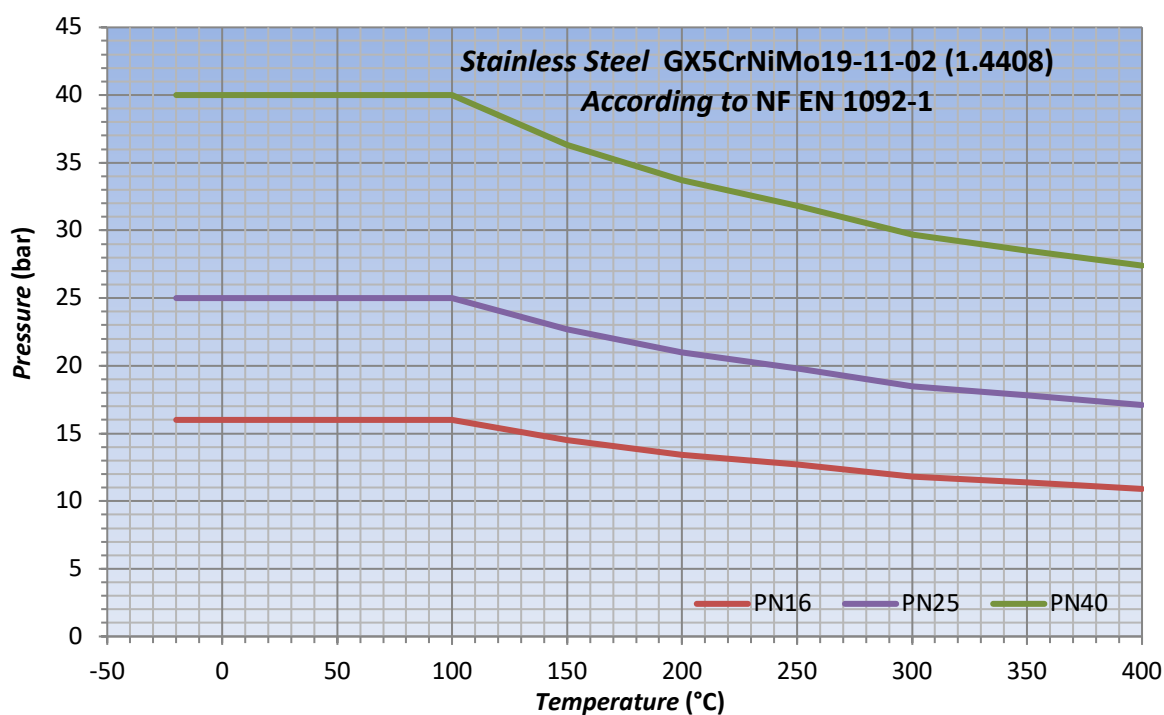
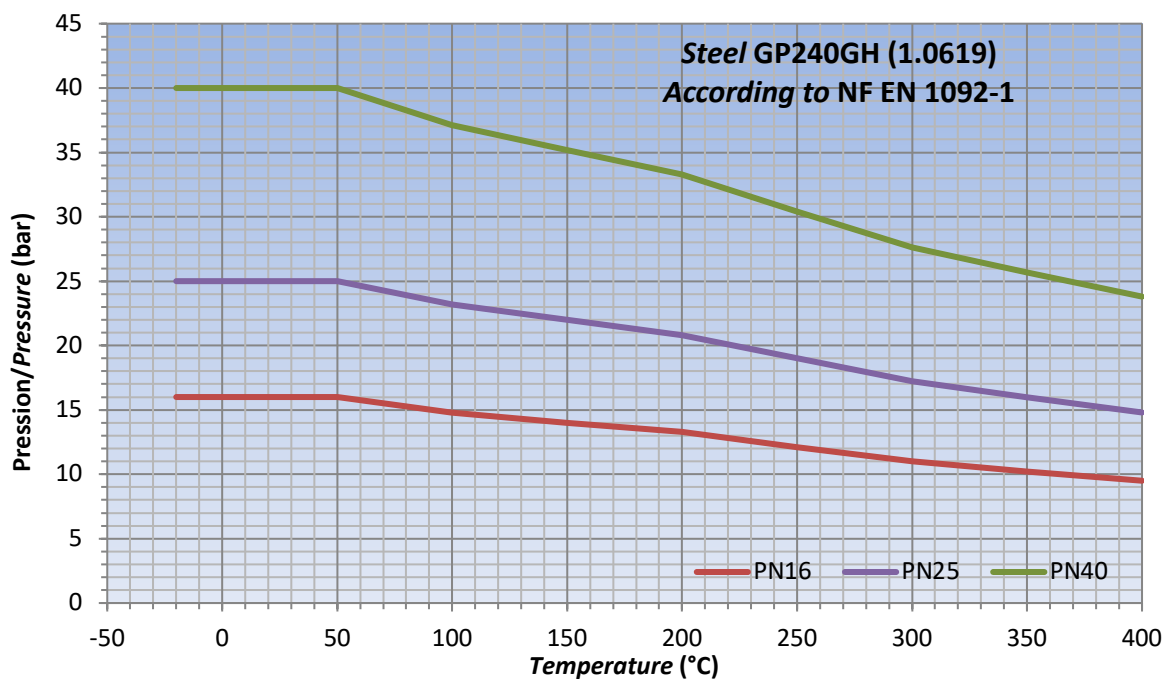
Handwheel



Type	H	Ø A
PA35 B6	219	250
PA60 A6	357	315

It.	Designation	Materials
1	Hand wheel	Steel
2	Wheel	Steel
3	Pillars	Steel
4	Stem	Stainless steel
5	Diaphragm	NBR - VITON
6	Gasket	NBR
7	Safety chain	Steel
8	Screws	Steel

Pressure/Temperature Chart



Pressure/Temperature Chart

