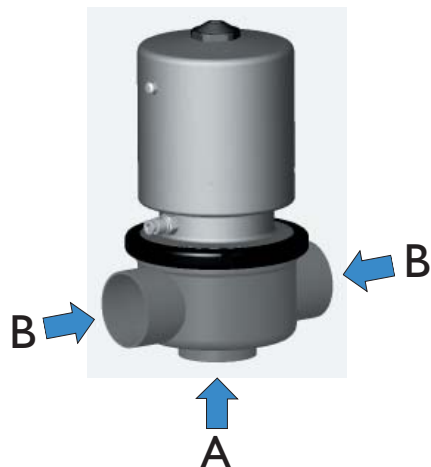


NA-Valve[®] Ordering Guideline

Process medium:	Liquids or gases
Max. medium temp:	See diaphragm selection
Max. environmental temp:	See position indicator selection and actuator selection

Size Working Pressure Limits, bar (g)

	A-max	B-max	B-min
NA12/NU050	6	6	-1
NA18/NU075	6	6	-1
NA25/NU100	6	6	-1
NA38/NU150	6	6	-1
NA51/NU200	6	6	-1
NA76/NU300	3	3	-1



Diaphragm

Material/Type	Ref.code	Temperature resistance (approx. for short term use)	
		Dry	Heat Steam (autoclave or SIP)
Silicone	21	220°C	130°C
EPDM	22	140°C	140°C
PTFE	25	170°C	170°C

For chemical resistance and time limits, see appropriate guidelines and/or actual media characteristics





Actuator

Type

Pneumatic, normally closed PA
Pneumatic, normally closed PA
Pneumatic, normally closed, Ex ATEX AX
Pneumatic, normally opened PA
Pneumatic, multiple acting ⁽¹⁾ NA

Mtrl.

SS/ Plastic
SS
SS
SS
SS

Ref.code

111
110
110
100
140

Manual, on / off NA
Manual, on / off, Ex ATEX AX
Manual, on / off, FA
Manual, on / off 90° Extended handle NA
Manual, springclosed ⁽²⁾ NA

Body /Handle

SS/ Pl 150
SS/ SS 153
SS/ SS 154
SS/ Pl 180
SS/ SS 170

⁽¹⁾ Available for NA25/38/51

⁽²⁾ Only available for NA12

SS = stainless steel, Pl = plastic

Pneumatic Actuator

See Product Specification Sheet for Max environmental temperature.

Control medium:

compressed air

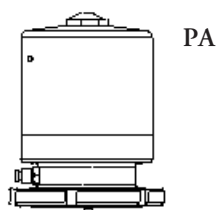
Control pressure:

5,5 - 7 bar

Connection:

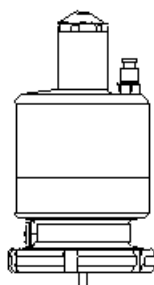
M5 NA12-18

1/8" NA25-51



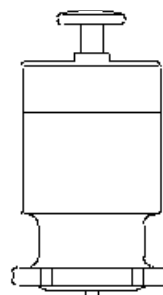
PA

Ref.code PA 111, 110 / AX 110



PA

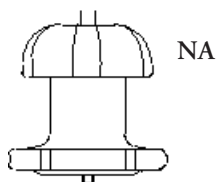
Ref.code PA 100



NA Multiple acting

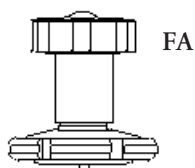
Ref.code NA 140

Manual Actuator



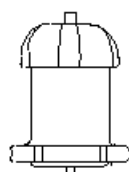
NA

Ref.code NA 150 / AX 153



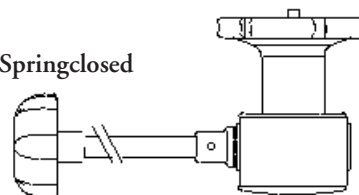
FA

Ref.code FA 154



NA Springclosed

Ref.code NA 170



NA Extended

Ref.code NA 180-###⁽³⁾

⁽³⁾ The ###-signs stands for the standard extension length of the handle. See the Product Specification Sheet for available lengths.

Valve Body

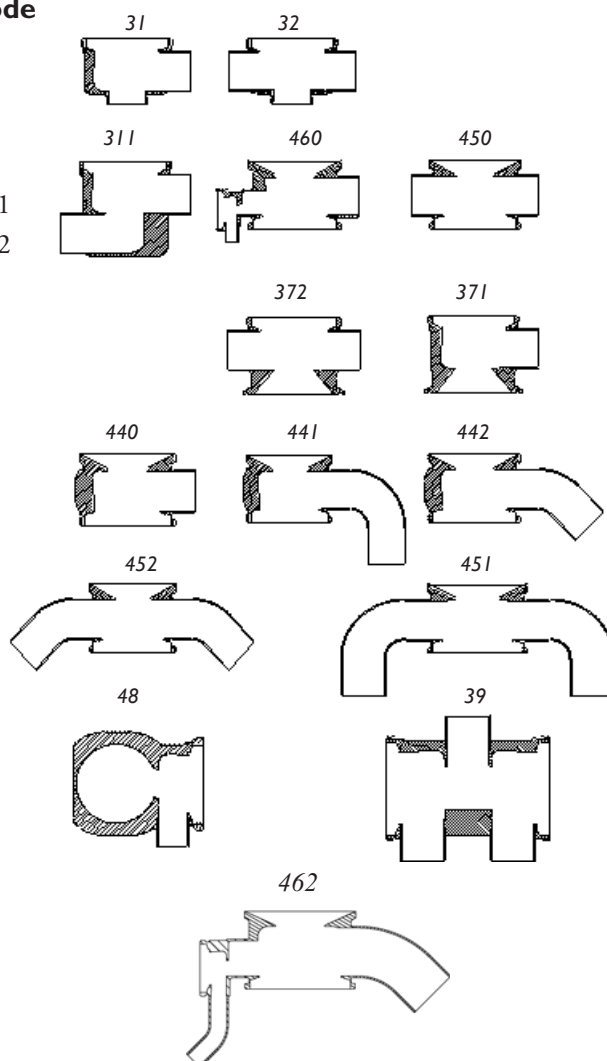
Type

Shut off 90°
 Shut off 180°
 Flow through F/T 180°
 Shut off 90°, TC connectable
 Flow through F/T 180°, TC connectable
 TOV, 90°, ext. outlet
 TOV, 180°
 TOV, 90° outlet with elbow 90°
 TOV, 90° outlet with elbow 45°
 TOV, 180° outlet with elbow 90°
 TOV, 180° outlet with elbow 45°
 TOV, 90° with integrated steam port
 TOV, 90° with integrated steam port
 Divert valve
 Take-off body
 Take-off body tangential to main pipe
 Take-off body with integrated steam port

TOV = Tank Outlet Valve

Ref.code

31
 311
 32
 371/471
 372/472
 440
 450
 441
 442
 451
 452
 460
 462
 39
 480
 500
 510



Design data

Design Temperature: -80/+200°C
 Design Pressure: -1/7 bar (g)
 Exception NA76: -1/6 bar (g)
 Surface: Ra ≤ 0,5µm

Material

ASTM	EN (acc. to PED 97/23/EC)
316L	1.4404 - Process valves
316L	1.4435 - Only Tank Outlet Valves

Ref.code

2
3

Surface

Man. polished, ≤ 0,5µm
 El. polished, ≤ 0,5µm

Ref.code

1
2

Connection

Butt end for welding
 TC connection (acc. to ISO 2852)

Ref.code

1
2

Butt

TC



If not otherwise informed, the valve body will be equipped with the indicated connection on all pipe ends.
 If different connections are needed a special body has to be requested from NovAseptic.

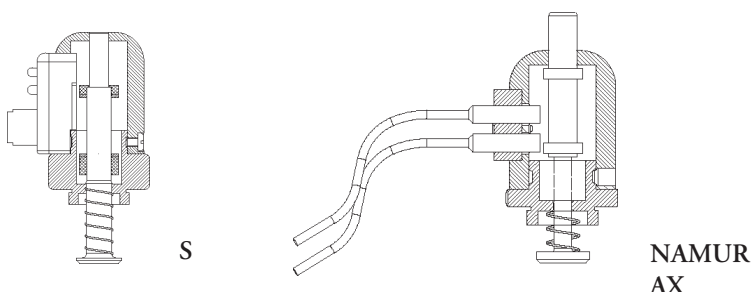
Position Indicator

For pneumatic PA actuators ref.code No. 100, 110, 111, only

For pneumatic NA actuators ref.code, please contact NovAseptic

Description	Type	Ref.code
Dual position indicator, open / closed	S	PA1251/P1H
Dual position indicator, open / closed	S	PA76/P1
Separate cable for type S, 10 meter	S	N15-31/10
Dual position indicator, open / closed*	NAMUR	PA##/P11-SEV
Dual position indicator, open / closed*	NAMUR	PA##/P11-PTFE
Dual position indicator, open / closed*	AX	AX##/P11-SEV
Dual position indicator, open / closed*	AX	AX##/P11-PTFE

* Standard cable length, 2m. The NAMUR and AX type are pre-installed depending on the diaphragm type used in the valve, SEV=Silicone and EPDM, PTFE=PTFE. The ##-sign shall be replaced by the PA size on the actuator e.g. PA38/P11-SEV for a indicator that will fit on a PA38/110 actuator with a Silicone or EPDM diaphragm.

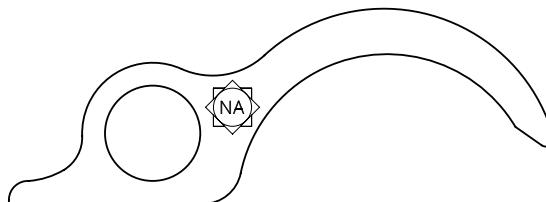


For further information see Product Specification Sheet.

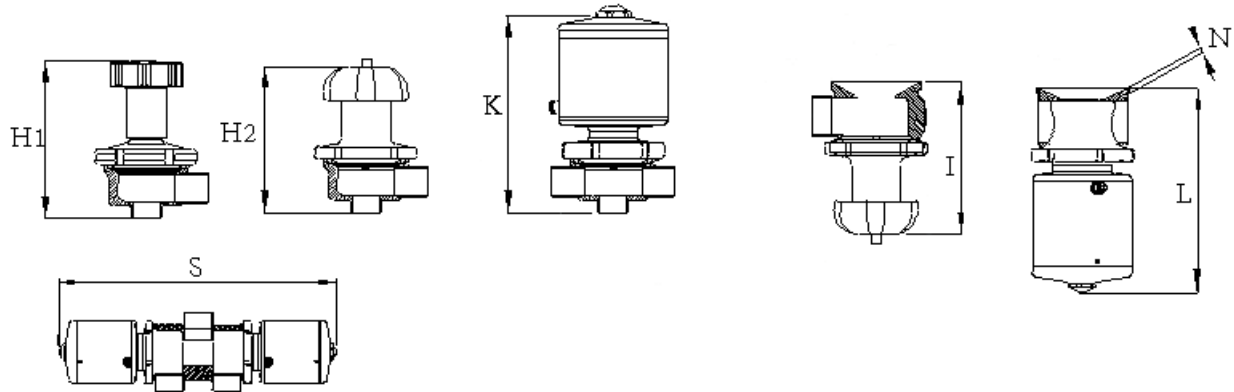
Accessories

Tool for locking ring

Size	Part No.
NA12	NA12/90
NA18	NA18/90
NA25	NA25/90
NA38	NA38/90
NA51	NA51/90
NA76	NA76/90



Dimension Chart



Main Dimensions (mm)

	H ₁	H ₂	I	K	L	N	S
NA12/NU050	104	94	97	119	122	5	220
NA18/NU075	115	103	104	138	139	6,1	261
NA25/NU100	133	139	140	179	180	6,1	337
NA38/NU150	149	151	154	191	194	6,1	377
NA51/NU200	166	187	187	257	257	6,1	506
NA76/NU300	-	227	235	305	313	8,8	-

Ordering Key

	Size	Ref.code	
Pneumatic actuator :	NA _____ / _____		
Pneumatic actuator :	PA _____ / _____		
Manual actuator :	NA _____ / _____		
Manual actuator :	FA _____ / _____		
Manual actuator type 180 :	NA _____ / _____ - _____		
Diaphragm :	NA _____ / _____		
			Material Surface Connection
	Size	Ref.code	
Valve body, US tube:	NU _____ / _____ - _____ - _____ - _____		
Valve body, SMS :	NA _____ / _____ - _____ - _____ - _____		

Example



Manual actuator



Diaphragm, PTFE



Valve body, 316L, Butt end, Man.pol. US-tube 1/2"

Ordering key:

NA51/150 (Actuator)
 NA51/25 (Diaphragm)
 NU200/31-211 (Valve body)

Ordering key for complete valve:

NU200/150/25/31-211

Size	Actuator	Diaphragm	Valve body