

# DN 100

## Angle Valves ( VAH, VAP )

### MANUALLY ACTUATED

- Bellows feedthrough
- Spindle drive with hand wheel
- Smooth opening
- Visual position indicator

### PNEUMATICALLY ACTUATED

- Bellows feedthrough
- Visual indication of the open and closed position
- Electrical position indicator for open and closed position
- For system manufacturers without pilot valve



### SELECTION DATA

Angle valve		DN 100 ISO-K	DN 100 ISO-K
Housing material	AISI(AA)/DIN	aluminum - / 3.2373	stainless steel 303 /1.4305

### ORDERING INFORMATION MANUALLY ACTUATED

Type	<b>VAH100-A</b>	<b>VAH100-X</b>
Part No.	250-480	250-485

### SPARE PARTS

Seal set	<b>215-271</b>	<b>215-271</b>
Bellows set for manually actuated valves	<b>215-274</b>	<b>215-274</b>

### SPECIFICATIONS MANUALLY ACTUATED

Service life	Mio cycles	1.5	1.5
Conductance for molecular flow	l/s	330	330
Tightness	mbar l/s	1 x 10 <sup>-9</sup>	1 x 10 <sup>-9</sup>
Pressure absolute, min. / max.	mbar / bar	10 <sup>-8</sup> / 1,5	10 <sup>-8</sup> / 1,5
Pressure resistance	bar (abs.)	4	4
Differential pressure in closing / opening direction	bar	1.5 / 1.5	1.5 / 1.5
Opens to a pressure difference of	bar	1.5	1.5
Ambient temperature	°C	5 – 60	5 – 60
Mounting orientation		any	any
Seals		FPM	FPM
Weight	kg	6.1	11.1

## SELECTION DATA

Angle valve		DN 100 ISO-K	DN 100 ISO-K —
Housing material	AISI (AA) /DIN	aluminum - / 3.2373	stainless steel 303 / 1.4305

## ORDERING INFORMATION PNEUMATICALLY ACTUATED

Type		VAP100-A	VAP100-X
Angle valve w/o pilot valve, with position indicator		<b>250-424</b>	<b>250-434</b>
Valve with pilot valve, with position indicator			
24 V DC	Part No.	<b>250-420</b>	<b>250-430</b>
24 V AC	Part No.	<b>250-421</b>	<b>250-431</b>
100 – 115 V AC	Part No.	<b>250-422</b>	<b>250-432</b>
200 – 240 V AC	Part No.	<b>250-423</b>	<b>250-433</b>

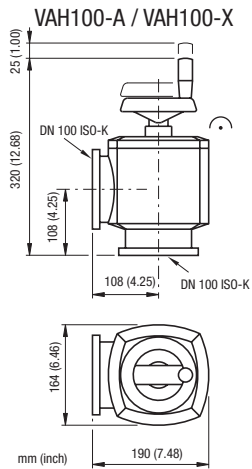
## SPARE PARTS

Seal set	<b>215-571</b>	<b>215-271</b>
Bellows set for pneumatically actuated valves	<b>215-273</b>	<b>215-273</b>

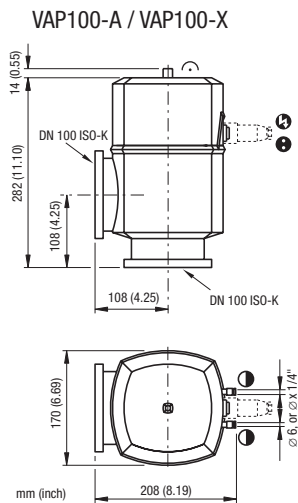
## SPECIFICATIONS PNEUMATICALLY ACTUATED

Service life	Mio cycles	1.5	1.5
Conductance for molecular flow	l/s	330	330
Tightness	mbar l/s	1 x 10 <sup>-9</sup>	1 x 10 <sup>-9</sup>
Pressure, absolut, min. / max.	mbar / bar	10 <sup>-8</sup> / 1,5	10 <sup>-8</sup> / 1,5
Resistance to pressure	bar (abs.)	4	4
Differential pressure in closing / opening direction	bar	1.5 / 1.5	1.5 / 1.5
Opens to a pressure difference of	bar	1.5	1.5
Ambient Temperature	°C	5 ... 60	5 ... 60
Switching frequency	1/min	60	60
Closing time	ms	400	400
Opening time	ms	400	400
Electrical position indicator, load capacity	VAC / A VDC / A	250 / 0.125 50 / 0.25	250 / 0.125 50 / 0.25
Compressed air, overpressure	bar	4 – 8	4 – 8
Air cylinder volume	cm <sup>3</sup>	195	195
Mounting orientation		any	any
Seals		FPM	FPM
Weight	kg	6.7	11.7

## DIMENSIONS MANUALLY ACTUATED



## DIMENSIONS PNEUMATICALLY ACTUATED



Angle valve with and without pilot valve,  
with position indicator



### GLOBAL HEADQUARTERS:

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