

- 2/2-Way NC
- Extremely fast switching times
- Very small design with an outer diameter of 15 mm
- Long service life



### TECHNICAL DATA

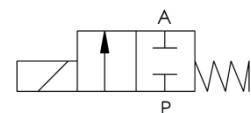
Function	2/2 NC
Pneumatic connection	Cartridge
Orifice size	0.5 mm
Weight	22 g
Mounting position	any
IP protection class (scope of delivery)	IP50
IP protection class (suitable plug)	IP65
Operating pressure	0 – 10 bar(g)
Pressure resistance	> 20 bar(g)
Flow rate with air @ max. pressure	> 18 l/min
Flow coefficient kv	max. 0.12 l/min
Temperature range, environment	5 – 50 °C
Temperature range, medium	5 – 50 °C
Temperature range, storage	-10 – 60 °C
Internal tightness	< 1 ml/min
External tightness	< 1 ml/min
Media quality	≤ 10 µm
Media	Air and inert gases, others upon request <sup>1</sup>



### ELECTRICAL DATA

Electrical connection	Flying leads
Length electrical connection	80 mm
Nominal voltage	12 V DC
Nominal coil resistance @ 20 °C	132 Ω
Nominal power consumption	1.1 W
Thermal resistance (no flow)	approx. 45 K/W
Permitted Duty cycle (no flow)	100 %

### PNEUMATIC SYMBOL

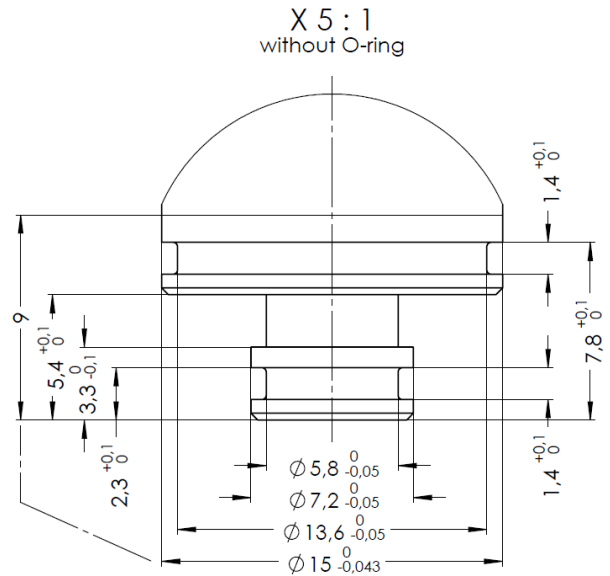
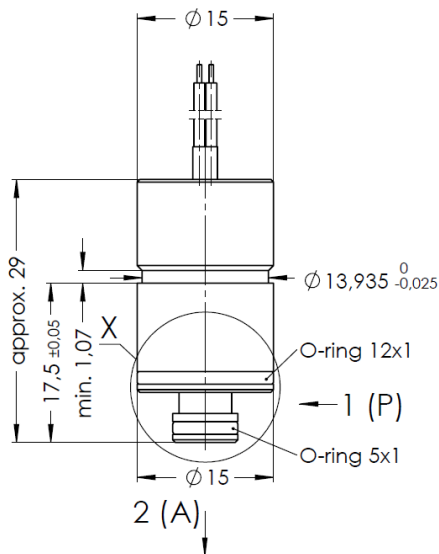


### WETTED MATERIALS

Housing	1.4305
Anchor	1.4105
Spring	1.4310
Seal o-ring	FKM
Seal anchor	FKM
Joint-connection	Loctite 603

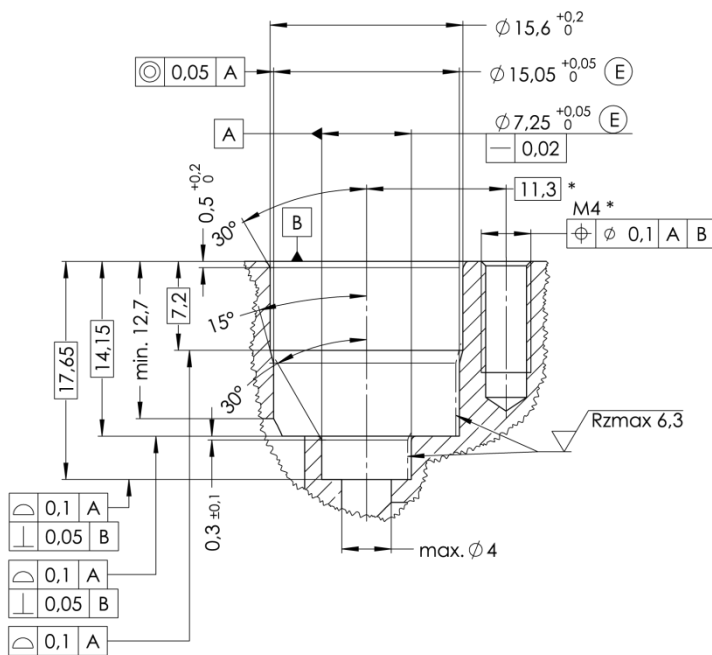
<sup>1</sup> Due to the use of stainless steel, the valve is suitable for many other media (including liquids) after prior testing. Please contact us for more information.

**VALVE DIMENSIONS**



**INSTALLATION RECOMMENDATION**

Schnittstellengeometrie P15  
 interface geometry P15



Übergänge an den Innendurchmessern  
 müssen abgerundet und gratfrei sein.  
*Edges on the inside diameters  
 must be rounded and free of burrs.*

\* nur erforderlich, wenn mitgelieferter Niederhalter verwendet wird  
 (bitte kontaktieren Sie unser Team für weitere Informationen)  
 \* only needed if provided hold down clamp is used  
 (please contact our team for more information)

Allgemeintoleranz nach DIN ISO 2768-mK  
 Tolerierung nach DIN EN ISO 8015:2011  
 Maße nach DIN EN ISO 14405  
 Form- und Lagetoleranz nach DIN EN ISO 1101  
*general tolerance acc. to DIN ISO 2768-mK  
 tolerancing acc. to DIN EN ISO 8015:2011  
 dimensions acc. to DIN EN ISO 14405  
 tolerances of form and position acc. to DIN EN ISO 1101*

$\sqrt{Rz\ 6,3}$  ( $\sqrt{Rzmax\ 6,3}$ )

**The maximum assembly force with which the valve can be pressed into the receptacle is 30 N.** It is recommended to lubricate the valve or the O-rings during assembly (e.g. with alcohol or DI water, depending on compatibility restrictions).

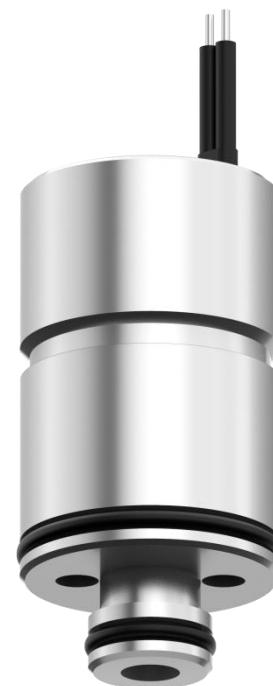
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 Status: 2023-07-06

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## TECHNICAL DATA

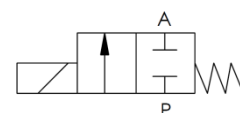
Function	2/2 NC
Pneumatic connection	Cartridge
Orifice size	1 mm
Weight	22 g
Mounting position	any
IP protection class (scope of delivery)	IP50
IP protection class (suitable plug)	IP65
Operating pressure	0 – 8 bar(g)
Pressure resistance	> 20 bar(g)
Flow rate with air @ max. pressure	> 55 l/min
Flow coefficient kv	max. 0.46 l/min
Temperature range, environment	5 – 50 °C
Temperature range, medium	5 – 50 °C
Temperature range, storage	-10 – 60 °C
Internal tightness	< 1 ml/min
External tightness	< 1 ml/min
Media quality	≤ 10 µm
Media	Air and inert gases, others upon request <sup>1</sup>



## ELECTRICAL DATA

Electrical connection	Flying leads
Length electrical connection	80 mm
Nominal voltage	12 V DC
Nominal coil resistance @ 20 °C	85 Ω
Nominal power consumption	1.7 W
Thermal resistance (no flow)	approx. 45 K/W
Permitted Duty cycle (no flow)	100 %

## PNEUMATIC SYMBOL

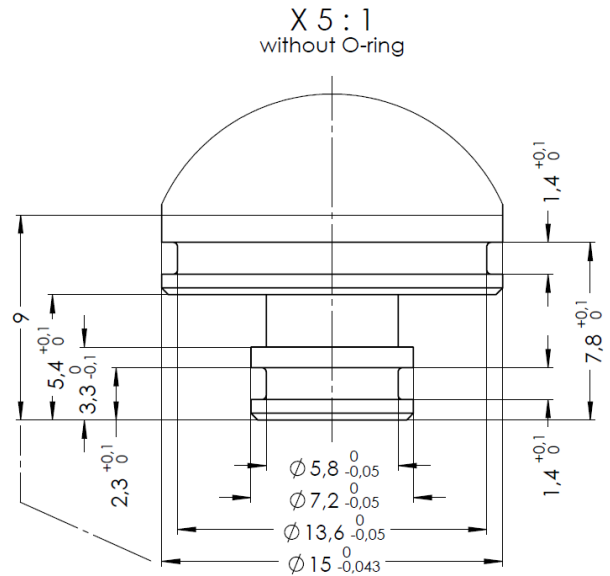
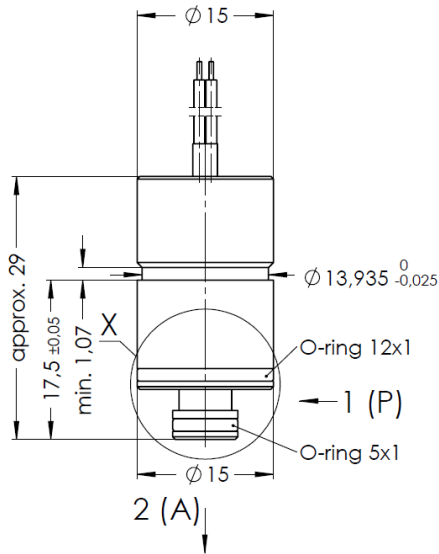


## WETTED MATERIALS

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Spring	1.4310
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Seal anchor	FKM
Joint-connection	Loctite 603

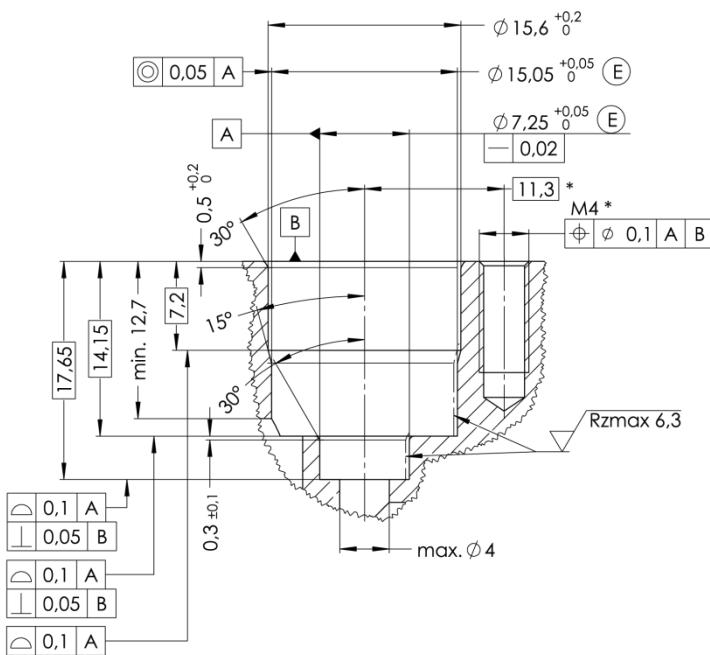
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### VALVE DIMENSIONS



### INSTALLATION RECOMMENDATION

Schnittstellengeometrie P15  
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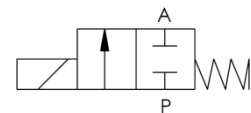
Function	2/2 NC
Pneumatic connection	Cartridge
Orifice size	1.5 mm
Weight	22 g
Mounting position	any
IP protection class (scope of delivery)	IP50
IP protection class (suitable plug)	IP65
Operating pressure	0 – 4 bar(g)
Pressure resistance	> 20 bar(g)
Flow rate with air @ max. pressure	> 60 l/min
Flow coefficient kv	max. 0.91 l/min
Temperature range, environment	5 – 50 °C
Temperature range, medium	5 – 50 °C
Temperature range, storage	-10 – 60 °C
Internal tightness	< 1 ml/min
External tightness	< 1 ml/min
Media quality	≤ 10 µm
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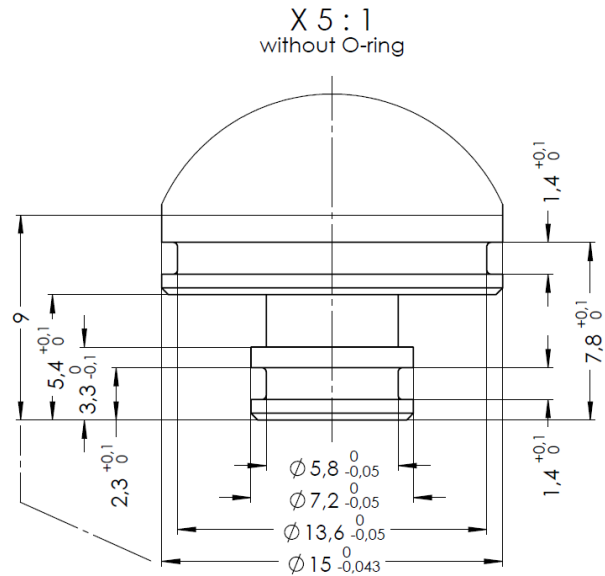
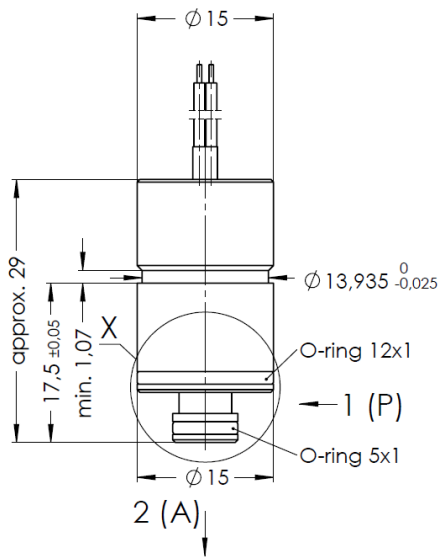


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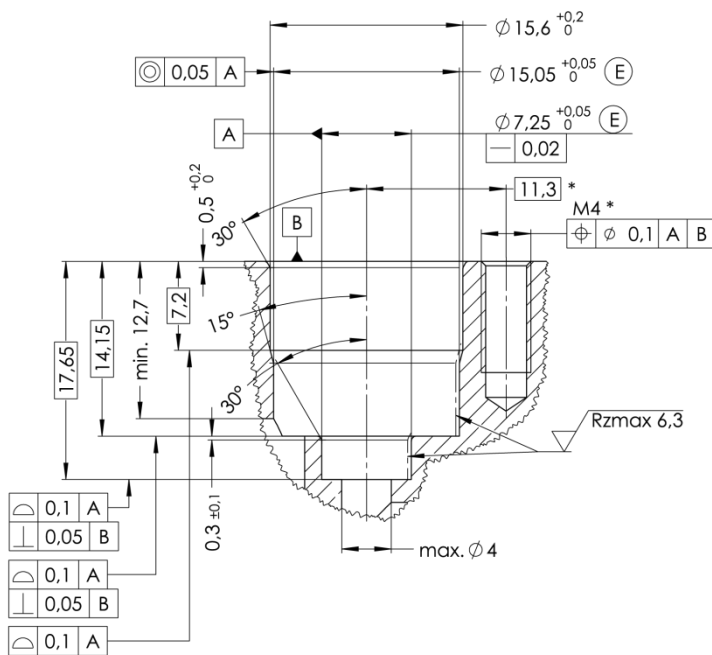
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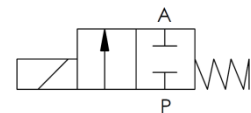
Function	2/2 NC
Pneumatic connection	Cartridge
Orifice size	2 mm
Weight	22 g
Mounting position	any
IP protection class (scope of delivery)	IP50
IP protection class (suitable plug)	IP65
Operating pressure	0 – 1.5 bar(g)
Pressure resistance	> 20 bar(g)
Flow rate with air @ max. pressure	> 55 l/min
Flow coefficient kv	max. 1.66 l/min
Temperature range, environment	5 – 50 °C
Temperature range, medium	5 – 50 °C
Temperature range, storage	-10 – 60 °C
Internal tightness	< 1 ml/min
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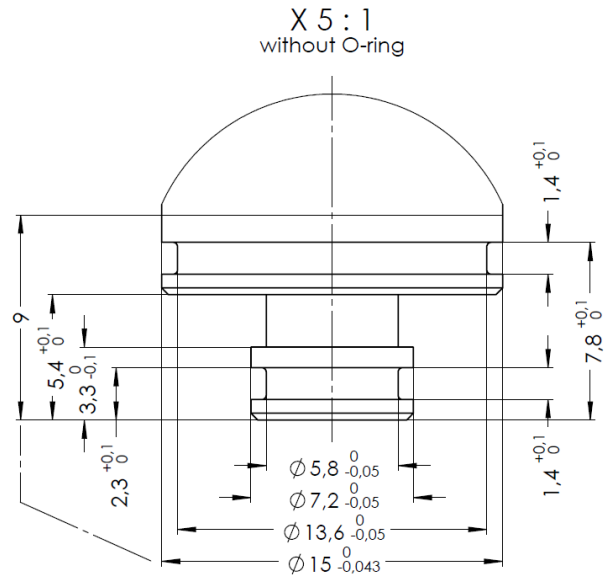
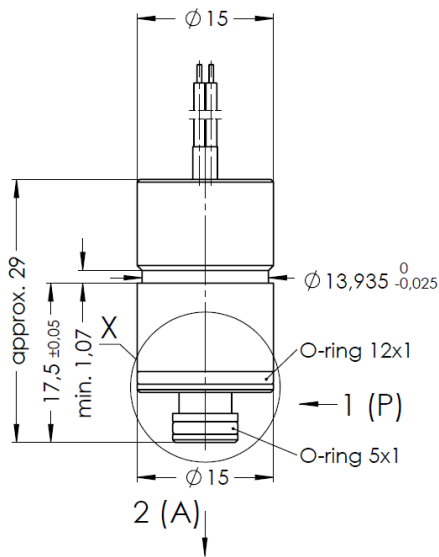


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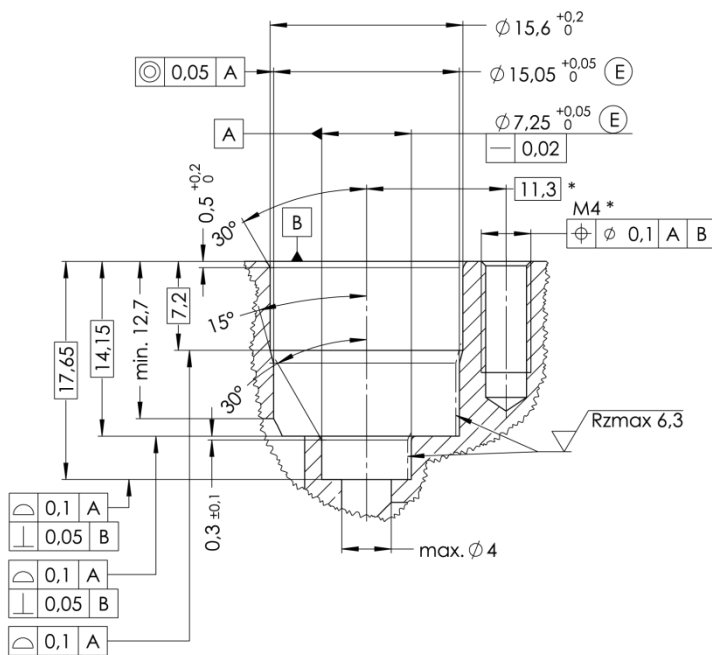
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