
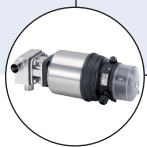


## 2/2 way Diaphragm Valve DM32



- Hermetical separation of medium from the actuator through diaphragm
- Zero dead volume
- Various surface finishes
- Compact stainless steel Actuator
- Quality certifications / USP 

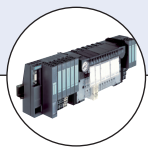
Type 2031 can be combined with...



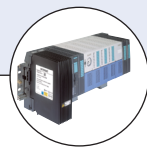
**Type 2104**  
T-valve



**Type 2105**  
Tank bottom valve



**Type 8644**  
Valve island



**Type 8650**  
Valve island

The externally piloted diaphragm valve consists of a pneumatically operated piston actuator, a diaphragm and a 2-way valve housing made of stainless steel. The actuator has a standard stainless steel housing. The flow optimised and zero dead volume valve body makes high flow rate value and variety of applications. The compact actuator is suitable for manifold mounting.

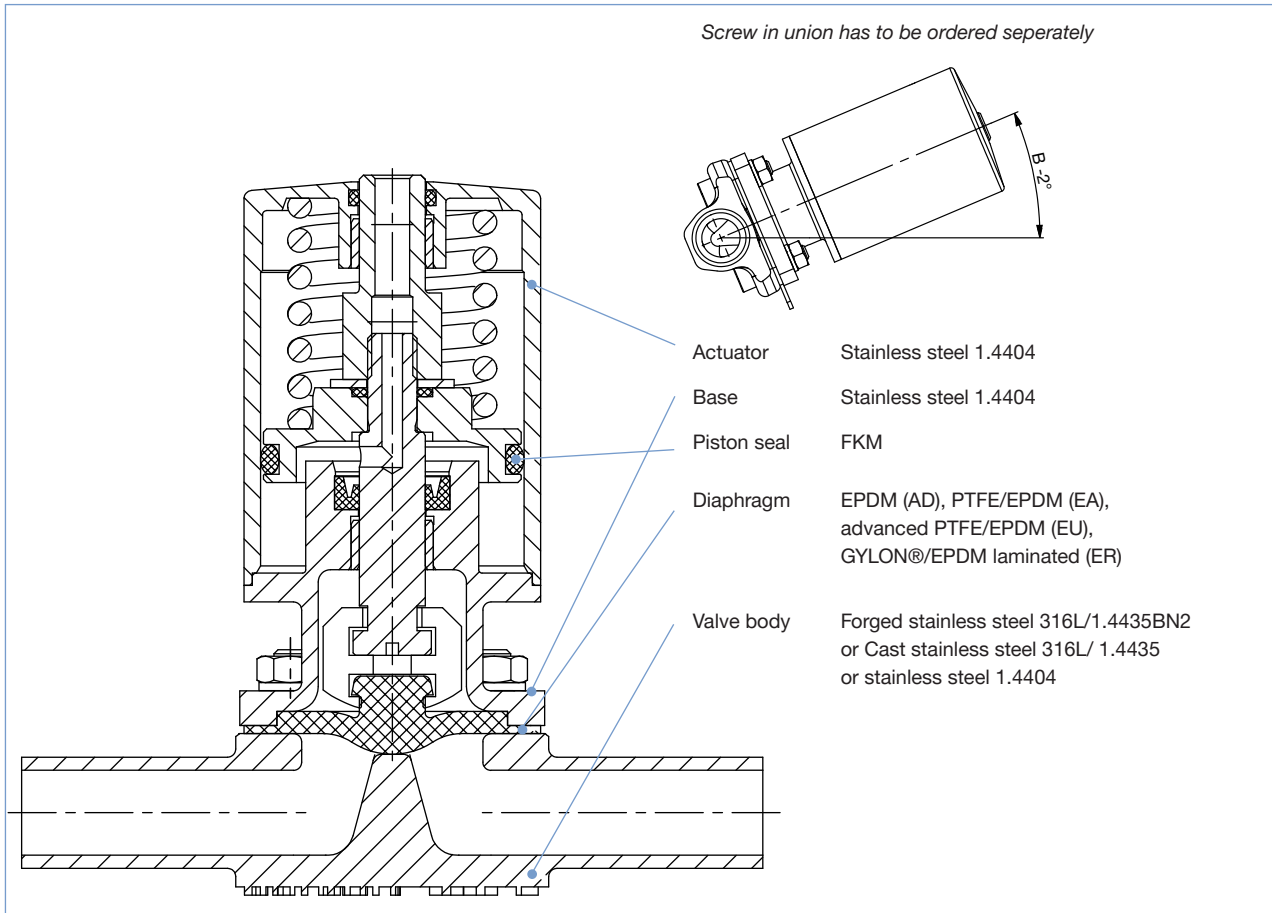
Technical data	
<b>Orifice</b>	DN8
<b>Diaphragm material</b>	EPDM (AD), PTFE/EPDM (EA), advanced PTFE/EPDM (EU), GYLON®/EPDM laminiert (ER)
<b>Actuator material</b>	Stainless steel 316L
<b>Medium temperature</b>	PTFE/EPDM (EA) -10 to +130 °C (steam sterilisation +140 °C for 60 min) EPDM (AD), advanced PTFE/EPDM (EU) -10 to +143 °C (steam sterilisation +150 °C for 60 min) GYLON®/EPDM laminated (ER) -5 to +143 °C (steam sterilisation +150 °C for 60 min) -5 to +130 °C (steam sterilisation +140 °C for 60 min)
<b>Ambient temperature</b>	0 to +60 °C / short-term: 140 °C
<b>Control medium</b>	Neutral gases, air
<b>Min. / max. pilot pressure</b>	5.5 - 10 bar
<b>K<sub>v</sub> value water</b>	1.0 m³/h
<b>Control function</b>	Control function A normally closed by spring action Control function B opened by spring action

Technical data

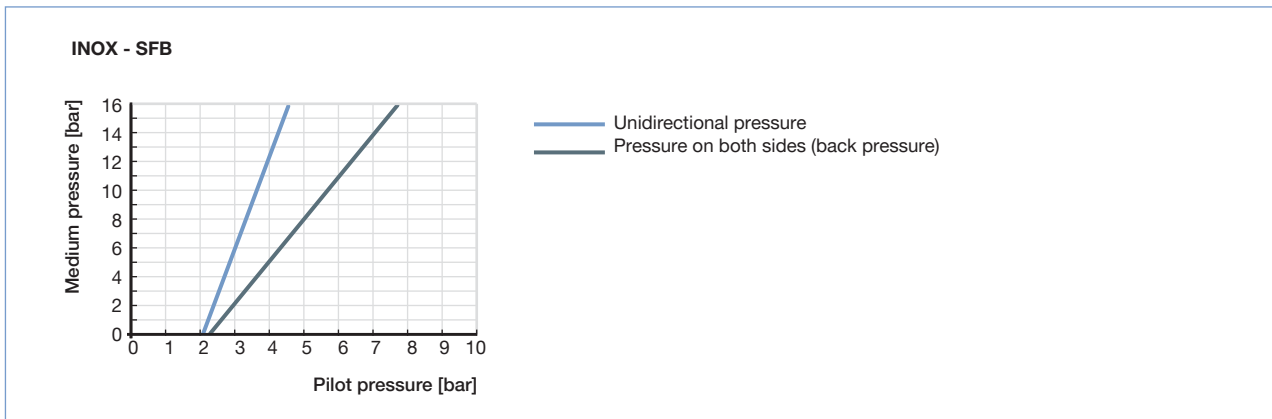
Orifice [mm]	Actuator size [mm]	K <sub>v</sub> value water (m <sup>3</sup> /h)	Minimum pilot pressure [bar]	Max. operating pressure		Weight [kg]	Materials
				CFA [bar]	CFB [bar]		
8	32	1.0	5.5	10	10	0.4	EPDM
8	32	1.0	5.5	6	10	0.4	PTFE/EPDM

<sup>1)</sup> Lower pilot pressure on reduced medium temperature on request

Materials Type 2000 INOX




Pressure chart with control function B and flow direction below seat

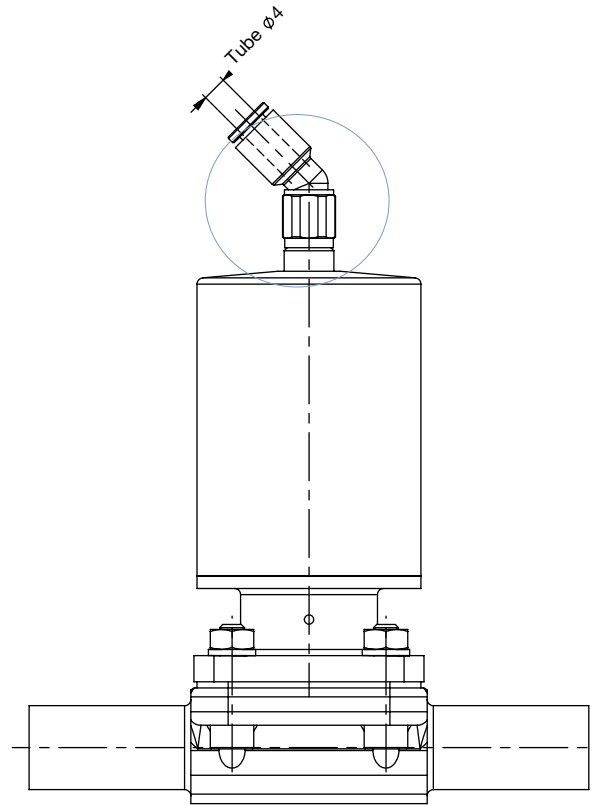


## Ordering chart for accessories (not supplied as standard)

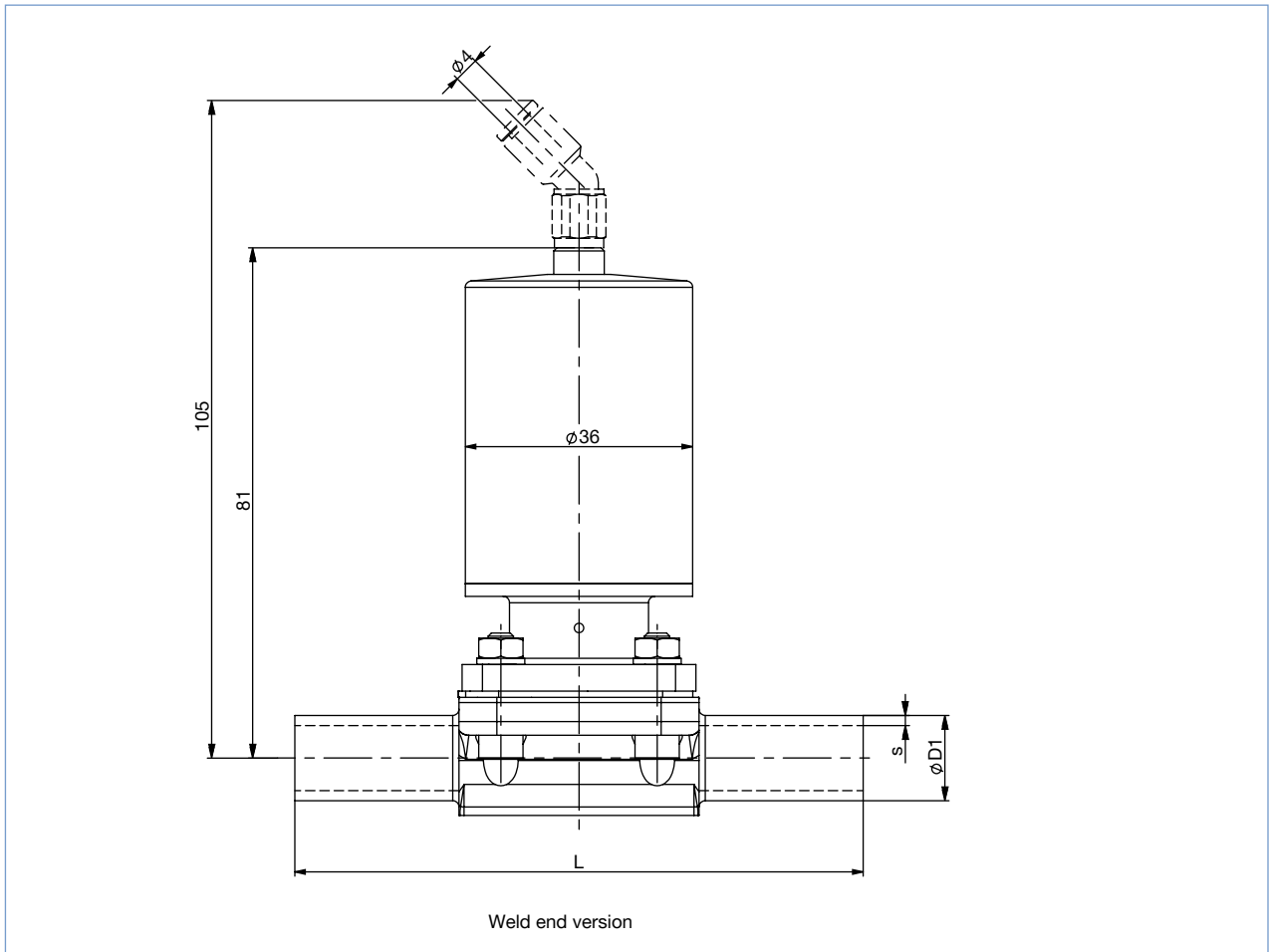
Angle screw-in fitting 45° has to be ordered separately.

Description	Article no.
Screw-in fitting <sup>1)</sup> M5 - Ø4 mm	903383 

<sup>1)</sup>Version up to max. 60 °C Ambient temperature  
higher temperatures - on request



Dimensions [mm]



Welded version forged body																					
DN	EN ISO 1127 ISO 4200			DIN 11850 Serie 0			DIN 11850 Serie 1			DIN 11850 Serie 2			DIN 11850 Serie 3			BS 4825			ASME BPE		
	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s
8	90	13.5	1.6	90	10	1	-	-	-	-	-	-	78	6.35	1.2	78	6.35	0.89			
10		17.2		-			90	12	1	90	13	1.5	90	14	2	89	9.53		89	9.53	

Welded version cast housing																					
DN	EN ISO 1127 ISO 4200			DIN 11850 Serie 0			DIN 11850 Serie 1			DIN 11850 Serie 2			DIN 11850 Serie 3			BS 4825			ASME BPE		
	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s	L	Ø D1	s
8	90	13.5	1.6	90	10	1	-	-	-	-	-	-	64.5	6.35	1.2	64.5	6.35	0.89			
10		17.2		-			90	12	1	90	13	1.5	90	14	2	89	9.53		89	9.53	

**Note**

You can fill out the fields directly in the PDF file before printing out the form.

**Valve On/Off Classic – Request for quotation**

▶ Please fill out and send to your nearest Bürkert facility\* with your inquiry or order

Company	Contact person
Customer No	Department
Address	Tel./Fax
Postcode/Town	E-mail

= mandatory fields to fill out

Quantity

Required delivery date

**Operating data**

Pipeline	DN	<input type="text"/>	PN	<input type="text"/>
Pipe material	<input type="text"/>			
<input type="checkbox"/> Process medium	<input type="text"/>			
<input type="checkbox"/> Type of medium	<input type="checkbox"/> Liquid	<input type="checkbox"/> Steam	<input type="checkbox"/> Gas	
	standard	unit		
<input type="checkbox"/> Flow rate (Q, QN, W) <sup>1)</sup>	<input type="text"/>	<input type="text"/>		
<input type="checkbox"/> Temperature at valve inlet	<input type="text"/>	<input type="text"/>		
<input type="checkbox"/> Absolute pressure at valve inlet	<input type="text"/>	<input type="text"/>		
Steam sterilisation	temperature	<input type="text"/>		

<sup>1)</sup> standard unit: Liquids Q = m<sup>3</sup>/h; Steam W = Kg/h; Gas QN = nm<sup>3</sup>/h

**Valve features**

**Specification key**

automatically transferred from last page

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Surface finish (if not standard)

internal  μm external  μm

Control pressure

min.  max.

**Certifications**

- Attestation of compliance with the order EN-ISO 10204 2.1 (Article no. 440 788)
- Test report EN-ISO 10204 2.2 (Article no. 803 722)
- Certification of Conformity for Raw Material EN-ISO 10204 3.1
- EN161 (European Gas Device guideline)
- FDA - USP certificate

**Comment / sketch**


Valve features, specification key

Example

A 15 AD VS SA42 NO17

Specification key

Please make a choice

CONTROL FUNCTION

A	Normally closed by spring action
B	normally open by spring action

Orifice [mm]

08

SEAL MATERIAL

AD	EPDM
EA	PTFE/EPDM
EU	Advanced PTFE/EPDM
ER	GYLON®/EPDM laminated

Body materials

VS	Forged 1.4435BN2/ASME BPE
VG	Cast stainless steel 316L/1.4435

VARIABLE CODES

Surface finish internal

NO14	Int. mechanical polished Ra=0.5µm	Standard
NO17	Int. electro polished Ra=0.4µm	
NO23	Int. mechanical polished Ra=0.6µm	



PORT CONNECTION

Weld end ports

Port size [mm]	EN ISO 1127/ ISO 4200	DIN11850 Series 2	ASME BPE
8	SA40=13.5×1.6		SA90=6.35×0.89
10	SA41=17.2×1.6	SD40=13×1.5	SA91=9.53×0.89
15			SA92=12.7×1.65

Clamp

Port size [mm]	ISO 2852 SMS 3017	ASME BPE Long version	DIN 32676
	8	TC51=Clamp 34 - for tube ISO 13.5×1.6	TG 40=Clamp 25 - for tube 6.35×0.89
10	TC41=Clamp 34 - for tube ISO 1.6	TG 41=Clamp 25 - for tube 9.53×0.89	TD41=Clamp 34 - for tube 13×1.5
15		TG 42=Clamp 25 - for tube 12.7×1.65	

DTS 1000204564 EN Version: E Status: RL (released | freigegeben | valide) printed: 11.02.2020

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In case of special application conditions, please consult for advice.

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