

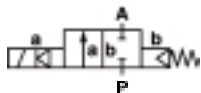
2/2 & 3/2 Solenoid operated valves

## Buschjost 82360 / 82460 Series

Solenoid actuated diaphragm valves with forced lifting

8 to 25 mm orifice (ND)

2/2, NC, G¼ to G1 / ¼ NPT to 1 NPT



Valve operates without pressure differential ( $\Delta p$ )

High flow rate

Easily interchangeable solenoid

### Technical data

Medium:

Neutral gases and liquid fluids

Viscosity:

25 mm<sup>2</sup>/s (cSt) max.

Flow direction:

Fixed

Mounting:

Optional, but preferably with solenoid facing vertically upwards

Fluid temperature:

-10°C to +150°C max.

Ambient temperature:

-10°C to +60°C max.

Consult our Technical Service for use below +2°C

### Materials

Body: brass

Seat seal: HNBR

Internal parts: stainless steel, brass,

PVDF

For contaminated fluids installation of an upstream filter is recommended.



Orifice (mm)	Port size	Operating pressure (bar)	kv value m <sup>3</sup> /h*	Total weight (kg)	Model
8	G 1/4	0 ... 10	1,90	1,3	823600xxxx*****
10	G 3/8	0 ... 10	2,60	1,2	823610xxxx*****
12	G 1/2	0 ... 10	3,20	1,2	823620xxxx*****
20	G 3/4	0 ... 10	7,00	1,9	823630xxxx*****
25	G 1	0 ... 10	8,00	1,8	823640xxxx*****
8	1/4 NPT	0 ... 10	1,90	1,3	824600xxxx*****
10	3/8 NPT	0 ... 10	2,60	1,2	824610xxxx*****
12	1/2 NPT	0 ... 10	3,20	1,2	824620xxxx*****
20	3/4 NPT	0 ... 10	7,00	1,9	824630xxxx*****
25	1 NPT	0 ... 10	8,00	1,8	824640xxxx*****

xxxx Insert solenoid codes from table below. \*\*\*\*\* Insert voltage codes from table below

\* Cv (US) ≈ kv x 1,2

### Options selector

8236X \*\* \* \* \* \* \*

Alternative versions	Solenoid	Substitute	Voltage	Substitute
On request	d.c.	8302	24 V d.c.	02400
	a.c.	8306	110 V d.c.	11000
			24 V a.c. 40 to 60 Hz	02449
			110 V a.c. 40 to 60 Hz	11049
			230 V a.c. 40 to 60 Hz	23049

a.c. version with built-in rectifier


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### Electrical details for solenoid operators

	Power consumption		Voltage		Category	Protection class	Temperatures °C		Electrical connection	kg	Solenoid drawing no.#	Circuit diagram#		Model
	24 V d.c. (W)	230 V a.c. (VA)	24 V d.c. (mA)	230 V a.c. (mA)			Fluid*	Ambient**				d.c.	a.c.	
	14	—	583	—	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	0,70	30	1	—	8302
	—	16 VA/14 W	—	68	—	IP 65	+200 max.	-25 ... +60	DIN EN 175301-803	0,70	30	—	6	8306

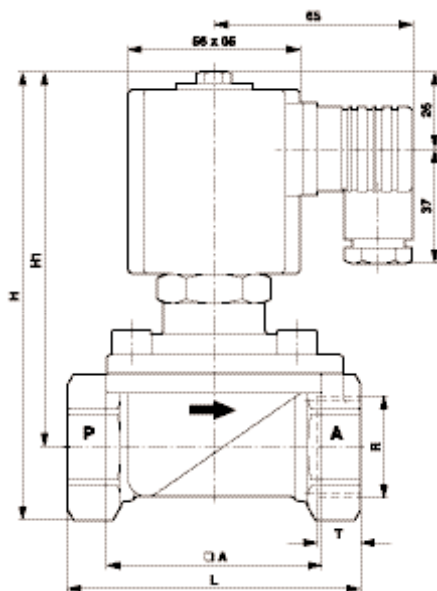
\* The maximum temperature depends on the valve type

\*\* The maximum temperature may be higher, depending on the application.

According to VDE 0580, 100% rated

Power consumption calculated with coil at +20°C, for d.c. coils at operating temperature, power consumption is up to 30% lower

# For solenoid dimensional drawings and circuit diagrams, see page 98



Solenoid rotates 360°  
Device socket can be turned through 4 x 90°

Model	□ A	H	H1	L	R	T
8236000 830X	44	125	110	67	G 1/4	12,0
8246000 830X	44	125	110	67	1/4 NPT	10,0
8236100 830X	44	125	110	67	G 3/8	12,0
8246100 830X	44	125	110	67	3/8 NPT	10,5
8236200 830X	44	125	110	67	G 1/2	14,0
8246200 830X	44	125	110	67	1/2 NPT	13,5
8236300 830X	70	150	125	95	G 3/4	12,5
8246300 830X	70	150	125	95	3/4 NPT	14,0
8236400 830X	70	150	125	95	G 1	14,0
8246400 830X	70	150	125	95	1 NPT	17,0