













Special valves

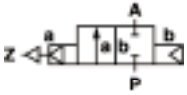
Operation	Series	Page no.	Function	Body material	Solenoids	
					IP Protection class	Explosion proof class
					IP65 (with connector)	Zones 1, 21 II 2 G II 2 GD EEx me EEx me IP64 IP65
Pilot operated	 <p>Buschjost 82900 / 82910 0,4 ... 8 bar G¾ ... G1½ ¾ ... 1½ NPT NC ≤983 l/min</p> <p>164</p>	2/2	●	●		
Indirect solenoid actuated	 <p>Buschjost 82960 / 82970 0,4 ... 8 bar G¾ ... G1½ ¾ ... 1½ NPT NC ≤983 l/min</p> <p>166</p>	●	●	 8171	 8186	
Solenoid/pneumatically actuated	 <p>Buschjost 82860 / 82850 0,3 ... 8 bar G2 NC ≤1016 l/min</p> <p>168</p>	●	●	 9303		
	 <p>Buschjost 83400 Differential pressure regulator</p> <p>170</p>					
Solenoid actuated with forced lifting	 <p>Buschjost 82370 0 ... 8 bar G¼ ... G1 NC ≤102 l/min</p> <p>174</p>	●	●	 9381, 9382	 9356	
Pressure actuated	 <p>Buschjost 82580 0 ... 10 bar G½ ... G2 NC ≤617 l/min</p> <p>176</p>	●	●			
Motor actuated	 <p>Buschjost 82880 -0,9 ... 10 bar G½ ... G1 ≤73,3 l/min</p> <p>178</p>	●	●			

Buschjost 82900 / 82910 Series

Pilot operated valves for operating dust filters

20 to 40 mm orifice (ND)

2/2, NC, G $\frac{3}{4}$ to G1 $\frac{1}{2}$ / $\frac{3}{4}$ NPT to 1 $\frac{1}{2}$ NPT



High flow rate

Clear compact design

Single diaphragm

Technical data

Medium:

Neutral gases

Control:

Via a separate pilot valve or controller

Flow direction:

Fixed

Mounting:

Optional

Fluid temperature:

-40°C to +85°C max.

Ambient temperature:

-20°C to +85°C max.

Consult our Technical Service for use below +2°C

Pilot port:

G1/8 or 1/8 NPT

Materials

Body: aluminium

Seat seal: TPE

Orifice (mm)	Port size	Operating pressure (bar)	kv value m ³ /h*	kg	Model
20	G3/4	0,4 ... 8	18	0,29	8290300 0000
25	G1	0,4 ... 8	22	0,26	8290400 0000
40	G1 $\frac{1}{2}$	0,4 ... 8	59	0,97	8290600 0000
20	3/4 NPT	0,4 ... 8	18	0,29	8291300 0000
25	1 NPT	0,4 ... 8	22	0,26	8291400 0000
40	1 $\frac{1}{2}$ NPT	0,4 ... 8	59	0,97	8291600 0000

* Cv (US) \approx kv x 1,2

Options selector

829XX ** 0000

Alternative models

On request

Solenoid

Without solenoid

Buschjost 82900 / 82910 Series

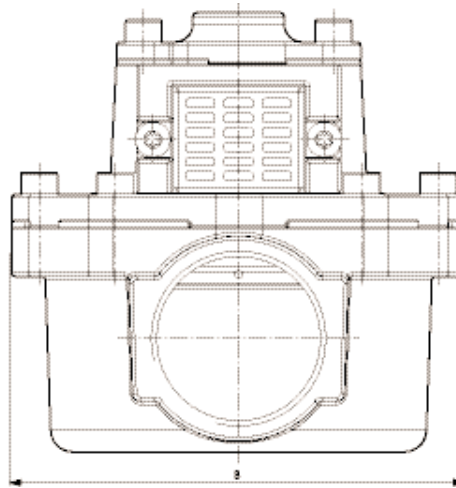
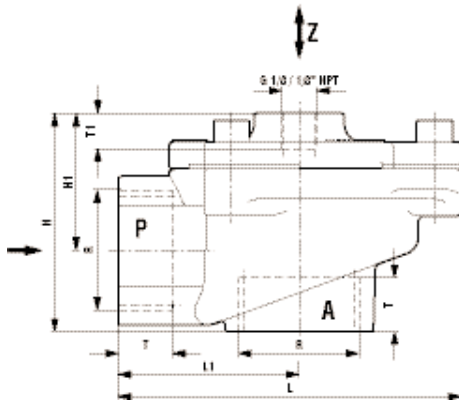
Pilot operated valves for operating dust filters

20 to 40 mm orifice (ND)

2/2, NC, G $\frac{3}{4}$ to G1 $\frac{1}{2}$ / $\frac{3}{4}$ NPT to 1 $\frac{1}{2}$ NPT

G3/4, G1 / 3/4 NPT, 1 NPT

G1 $\frac{1}{2}$ / 1 $\frac{1}{2}$ NPT



Model	B	H	H1	L	L1	T1	R	T
8290300 0000	80	61,5	39	95	50	10	G3/4	16
8291300 0000	80	61,5	39	95	50	10	3/4 NPT	14
8290400 0000	80	61,5	39	95	50	10	G1	18
8291400 0000	80	61,5	39	95	50	10	1 NPT	17
8290600 0000	124,5	122	91	135	70	10	G1 $\frac{1}{2}$	22
8291600 0000	124,5	122	91	135	70	10	1 $\frac{1}{2}$ NPT	21

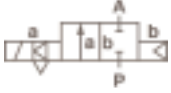


Buschjost 82960 / 82970 'Twist-on®' Series

Indirect solenoid actuated diaphragm valves for dust filter cleaning

25 to 50 mm orifice (ND)

2/2, NC, G¾ to G1½ / ¾ NPT to 1½ NPT



- High flow rate
- Simple compact design
- Solenoid manually interchangeable without tools
- Silencer as standard
- Simple diaphragm

Technical data

Medium:

Neutral gases

Flow direction:

Fixed

Mounting:

Optional, preferably with solenoid upright

Fluid temperature:

-40°C to +85°C max.

Ambient temperature:

-20°C to +85°C max.

Consult our Technical Service for use below +2°C

Orifice (mm)	Port size	Operating pressure (bar)	kv value m³/h*	kg	Model
25	G3/4	0,4 ... 8	18	0,50	8296300xxxx*****
25	G1	0,4 ... 8	22	0,47	8296400xxxx*****
50	G1½	0,4 ... 8	59	1,18	8296600xxxx*****
25	3/4 NPT	0,4 ... 8	18	0,50	8297300xxxx*****
25	1 NPT	0,4 ... 8	22	0,47	8297400xxxx*****
50	1½ NPT	0,4 ... 8	59	1,18	8297600xxxx*****

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

* Cv (US) ≈ kv x 1,2

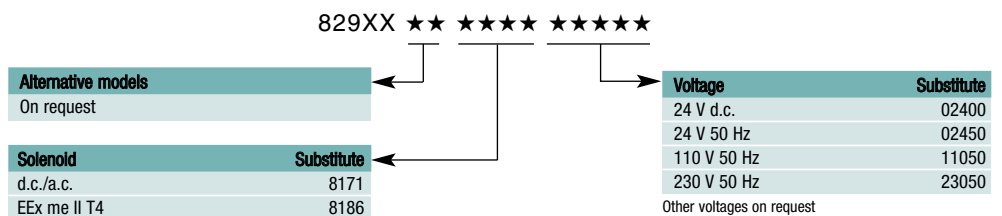
Materials

Body: aluminium

Seat seal: TPE

Internal parts: TPU

Options selector





Buschjost 82960 / 82970 'Twist-on®' Series

Indirect solenoid actuated diaphragm valves for dust filter cleaning

25 to 50 mm orifice (ND)

2/2, NC, G $\frac{3}{4}$ to G1 $\frac{1}{2}$ / $\frac{3}{4}$ NPT to 1 $\frac{1}{2}$ NPT

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.	
	12	23/16	500	70	-	IP 65	+100 max.	-20 ... +85	DIN EN 175301-803	0,20	22	1	1	8171
	9	10 VA/9 W	375	44	II 2 G	EEx me II T4, IP64	+80 max.	-20 ... +40	Connector body	0,30	36	2	6	8186

* The maximum temperature depends on the valve type

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

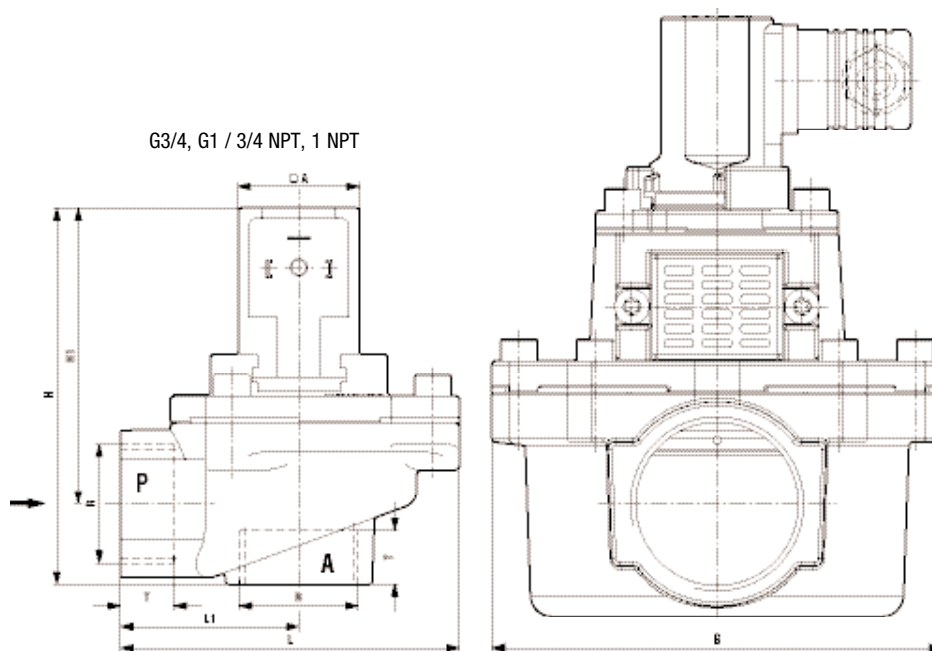
According to VDE 0580, 100% rated

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

Cable clamping range 5 to 10 mm

For solenoid dimensional drawings and circuit diagrams, see page 173

G1 $\frac{1}{2}$ / 1 $\frac{1}{2}$ NPT



Solenoid rotates 3 x 120°
Socket can be turned through 4 x 90°
(DIN plug supplied)

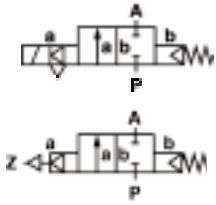
Model	A	B	H	H1	L	L1	R	T
8296300xxxx*xxxx	34	80	105,5	83	95	50	G3/4	16
8297300xxxx*xxxx	34	80	105,5	83	95	50	3/4 NPT	14
8296400xxxx*xxxx	34	80	105,5	83	95	50	G1	18
8297400xxxx*xxxx	34	80	105,5	83	95	50	1 NPT	17
8296600xxxx*xxxx	34	124,5	166	136	135	70	G1 $\frac{1}{2}$	22
8297600xxxx*xxxx	34	124,5	166	136	135	70	1 $\frac{1}{2}$ NPT	21

Buschjost 82860 / 82850 Series

Solenoid/ pneumatically actuated diaphragm valves for dust filter cleaning

50 mm orifice (ND)

2/2, NC, G2



Filter ventilation valve

Short switching time

High flow rate

Technical data

Medium:

Neutral gases

Flow direction:

Fixed

Mounting:

Optional, preferably with solenoid upright

Fluid temperature:

+90°C max.

Ambient temperature:

-10°C to +50°C max.

Consult our Technical Service for use below +2°C

Sum of fluid and ambient

temperatures:

+130°C max.

Materials

Body: aluminium

Seat seal: fabric diaphragm with NBR (Perbunan) valve plate

For contaminated fluids installation of an upstream filter is recommended.

Solenoid

Orifice (mm)	Port size	Operating pressure (bar)**	kv value m ³ /h*	kg	Model
50	G2	0,3 ... 8	61	1,90	8286751.xxxx*****

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

* Cv (US) ≈ kv x 1,2

** Minimum pressure differential P to A 0,3 bar

Pneumatic

Orifice (mm)	Port size	Operating pressure (bar)**	kv value m ³ /h*	kg	Model
50	G2	0,3 ... 8	61	1,45	8285751 0000

* Cv (US) ≈ kv x 1,2

** Minimum pressure differential P to A 0,3 bar

Options selector

828X7 ★★ ★★★★★★

Alternative versions	Substitute	Voltage	Substitute
Flange-mounting version (without valve body)	54	24 V d.c.	02400
Twin piloting (extremely short switching times)	56	24 V 50 Hz	02450
		110 V 50 Hz	11050
		230 V 50 Hz	23050
		Other voltages on request	
Solenoid	Substitute		
d.c./a.c.	9303		


Buschjost 82860 / 82850 Series

Solenoid/ pneumatically actuated diaphragm valves for dust filter cleaning

50 mm orifice (ND)

2/2, NC, G2

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.	
	16	50/24	667	104	-	IP 65	+100 max.	-10 ... +60	DIN EN 175301-803	0,45	37	1	1	9303

* The maximum temperature depends on the valve type

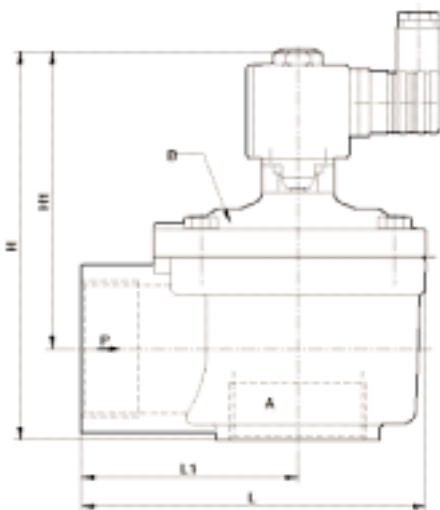
** The maximum temperature may be higher, depending on the application.

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

Note: Restricted temperature range with explosion-proof solenoids

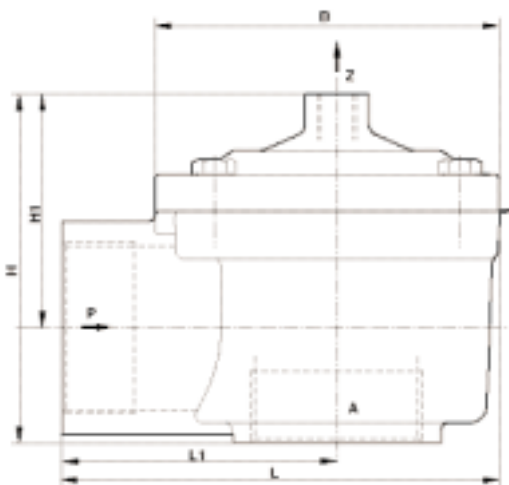
For solenoid dimensional drawings and circuit diagrams, see page 173



Solenoid rotates 360°
Socket can be turned through 4 x 90°
(DIN plug supplied)

Solenoid

Model	L	L1	B	H	H1
8286751xxxx*****	151	95	112	174	133



Pneumatic

Model	L	L1	B	H	H1
8285751 0000	151	95	112	122	81

Buschjost 83400 Series

Differential pressure regulator

Identifies required pressure differential to actuate dust filter

Good interference immunity as per EMC Directive

Operation using dot matrix LCD display and three buttons

Each model offers choice of two measuring ranges

All relay outputs can be switched in manual mode

Switching points adjustable separately

Pressure signal damping



Technical data

Design:

Electronic differential pressure regulator with piezoresistive pressure sensor

Medium:

Neutral gases

Ambient temperature:

-20°C to +60°C max.

Pressure port:

Fitting for tubing 6/4 mm

Number of switching points:

2 pieces, freely adjustable

Number of alarm points:

2 pieces, freely adjustable

Indicator:

LCD display, digital

Resistant to overpressure:

1 bar up to measuring range 50/100 mbar,

2 bar with measuring range 500/1000 mbar

Power supply:

230 V, ±10 %, 50 to 60 Hz

or 115 V, ±10 %, 50 to 60 Hz

or 24 V d.c., -10% to +25%

Analogue output:

0 to 10 V, 0 to 20 mA, 4 to 20 mA

Post-clean time:

0 to 60 min Resolution 1 s

Pressure range mbar	Design	Protection class	Model
10	Protective case	IP 65	8340000 0000 00000
10	Standard rail mounting	IP 00	8340100 0000 00000
10	Panel mounting case	IP 54 / IP 20	8340200 0000 00000
25/50	Protective case	IP 65	8340001 0000 00000
25/50	Standard rail mounting	IP 00	8340101 0000 00000
25/50	Panel mounting case	IP 54 / IP 20	8340201 0000 00000
50/100	Protective case	IP 65	8340002 0000 00000
50/100	Standard rail mounting	IP 00	8340102 0000 00000
50/100	Panel mounting case	IP 54 / IP 20	8340202 0000 00000
500/1000	Protective case	IP 65	8340003 0000 00000
500/1000	Standard rail mounting	IP 00	8340103 0000 00000
500/1000	Panel mounting case	IP 54 / IP 20	8340203 0000 00000

Buschjost 83400 Series

Differential pressure regulator
Identifies required pressure differential to actuate dust filter

Controls S11 - S13

- S11 Button for displaying next parameter
- S12 Button for incrementing parameter displayed
- S13 Button for decrementing parameter displayed

Parameters adjustable via buttons S11 - 13

- Actual value
- Min. controller threshold
- Max. controller threshold
- Alarm 1 threshold
- Alarm 2 threshold
- After-cleaning time
- Controller output, manual
- Alarm 1 output, manual
- Alarm 2 output, manual
- Display range
- Alarm 1 switching mode
- Alarm 2 switching mode

Terminal allocation

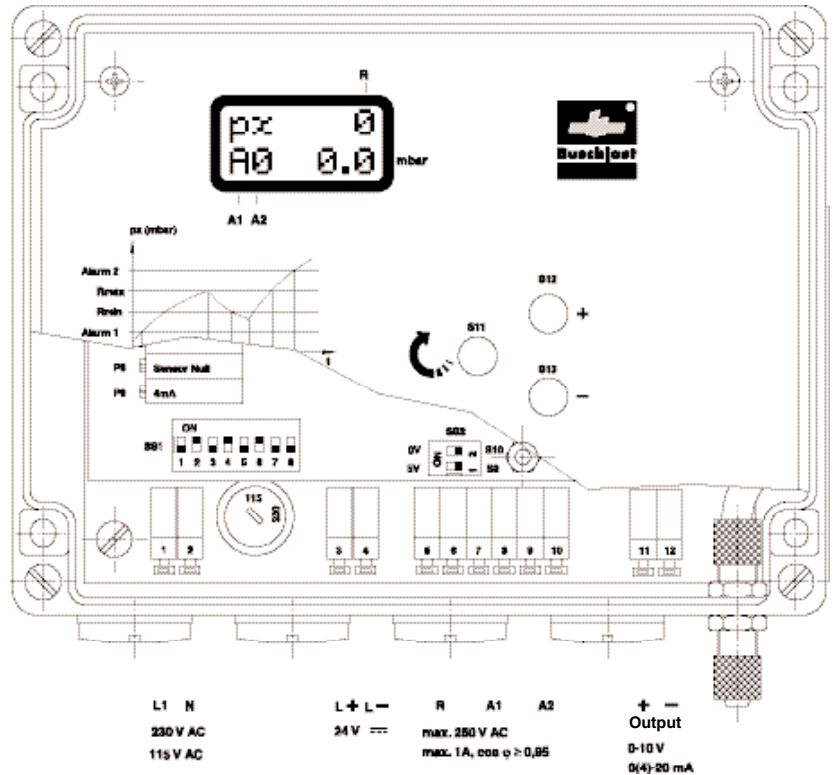
- 01 Mains phase with a.c.
- 02 PEN conductor with a.c.
- 03 L+ with d.c.
- 04 L- with d.c.
- 05 +06 Switching output, controller
- 07 +08 Switching output, alarm 1
- 09 +10 Switching output, alarm 2
- 11 Analogue output + or 0 to 10 V
- 11 Analogue output - or 0 V

Operator controls SS1

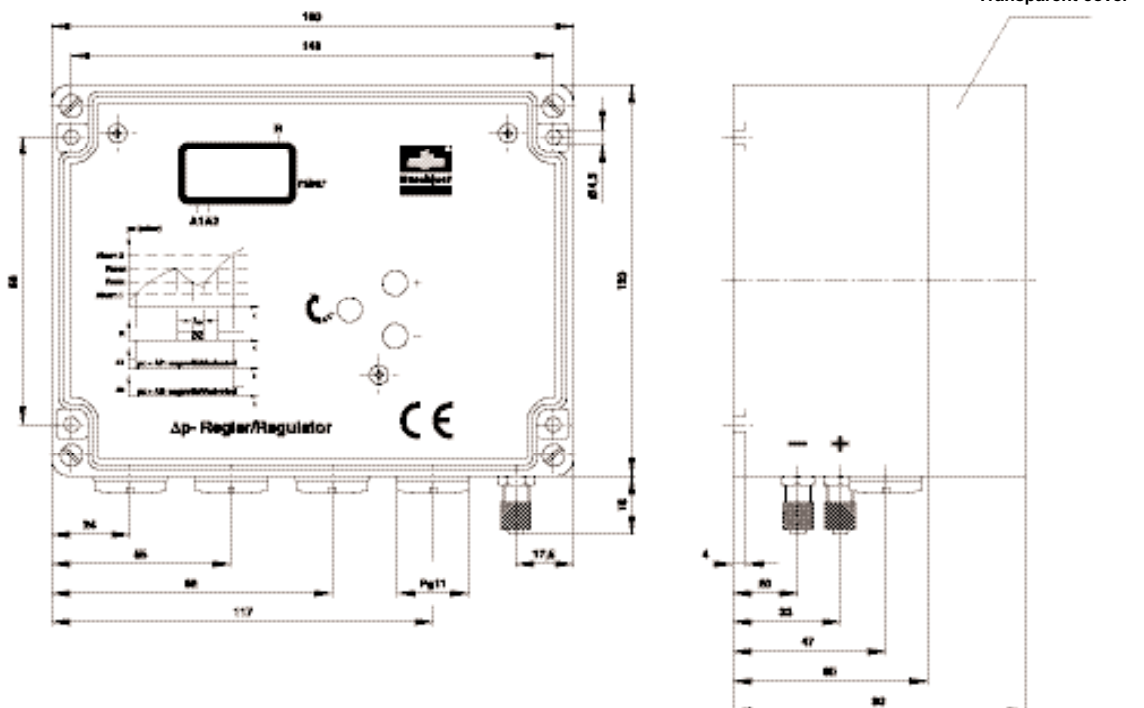
- Programming of:
- Analogue output
- Measuring range of pressure sensor
- Sensor ON/OFF damping

Notes

- SS2 for in-factory adjustment work only
- Terminals 4 + 12 are linked within the controller



8340000, 8340001,
8340002, 8340003

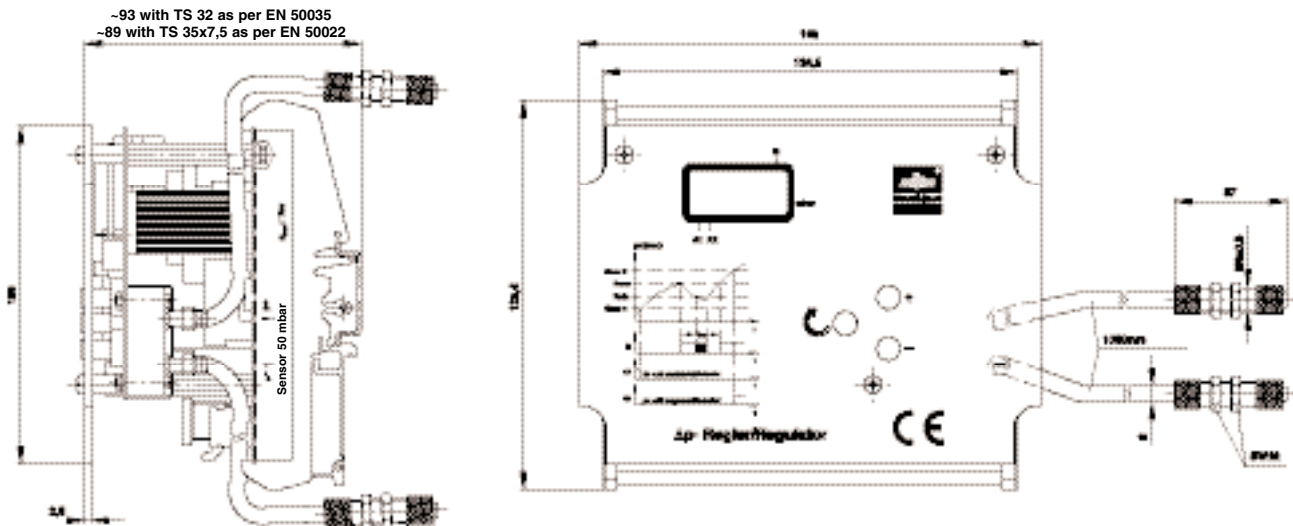


Buschjost 83400 Series

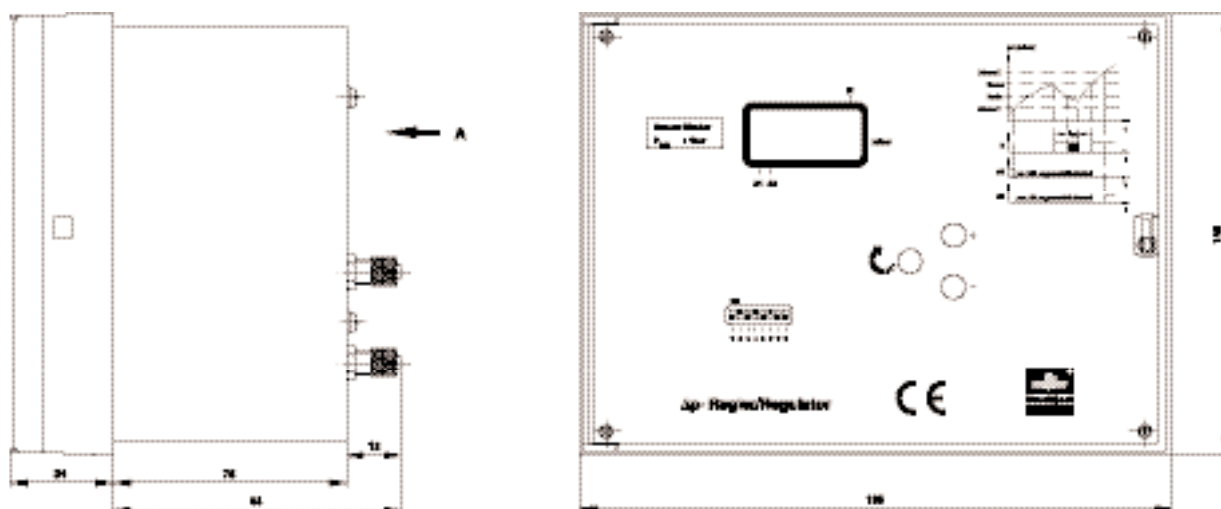
Differential pressure regulator

Identifies required pressure differential to actuate dust filter

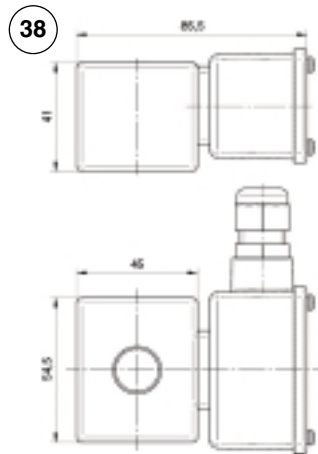
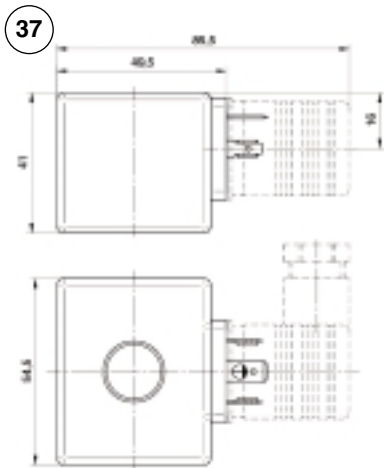
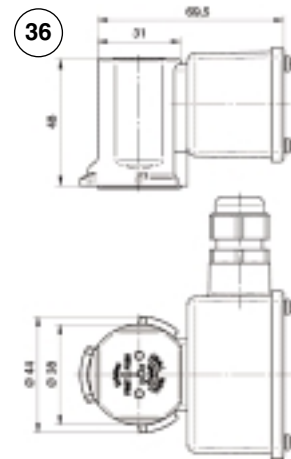
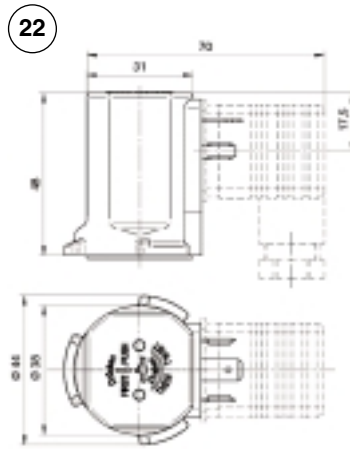
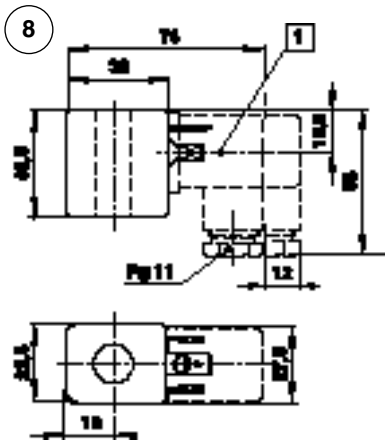
8340100, 8340101, 8340102, 8340103



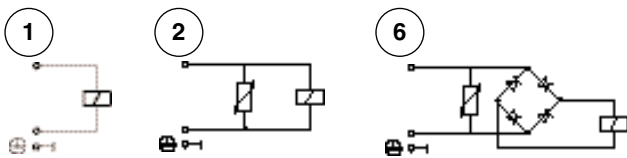
8340200, 8340201, 8340202, 8340203



Solenoid dimensions



Circuit diagrams

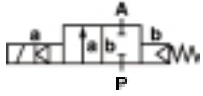


Buschjost 82370 Series

Solenoid actuated, force lifting, with DVGW approval

8 to 25 mm orifice (ND)

2/2, NC, G¼ to G1



Valve operates without differential pressure (Δp)

EC type examination certificate

Product ID-No. CE0085AU0323

Valve class B

Valve group 2

Qualification approval acc. EN

161/3394 part 1 and EN 264

Easily interchangeable solenoid

Response time < 1s

Technical data

Medium:

Neutral gases and liquid fluids

Viscosity:

25 mm²/s (cSt) max.

Flow direction:

Fixed

Mounting:

Optional, preferably with solenoid upright

Fluid temperature:

-10°C to +60°C max.

Ambient temperature:

-10°C to +50°C max.

Consult our Technical Service for use below +2°C

Materials

Body: brass

Seat seal: FPM (Viton)

Internal parts: stainless steel,

1.4310, brass, PVDF

Install a dirt trap (mesh size 0,25 mm max.) upstream of the valve.



Orifice (mm)	Port size	Operating pressure (bar)	kv value m ³ /h*	kg	Model
8	G1/4	0 ... 8	1,60	1,00	8237000xxxx*****
10	G3/8	0 ... 8	2,00	0,90	8237100xxxx*****
12	G1/2	0 ... 8	2,30	0,90	8237200xxxx*****
20	G3/4	0 ... 8	5,80	1,55	8237300xxxx*****
25	G1	0 ... 8	6,10	1,45	8237400xxxx*****

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

* Cv (US) ≈ kv x 1,2

For operating pressure exceeding 4 bar, female threaded sealing connections are not allowed.

Outer threaded version available on request

Options selector

8237X ★★ ★★ ★★ ★★ ★★ ★★

Alternative models	Solenoid	Substitute
On request	d.c.	9381
	a.c.	9382
	EEx me II T3	9356

Voltage	Substitute
24 V d.c.	02400
24 V 50 Hz	02450
110 V 50 Hz	11050
230 V 50 Hz	23050

Other voltages on request



Buschjost 82370 Series

Solenoid actuated, force lifting, with DVGW approval

8 to 25 mm orifice (ND)

2/2, NC, G¼ to G1

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.	
	18	–	750	–	–	IP 65	+90 max.	-25 ... +50	DIN EN 175301-803	0,45	37	1	–	9381
	–	20 VA/18 W	–	88	–	IP 65	+110 max.	-25 ... +50	DIN EN 175301-803	0,45	37	–	6	9382
	18	20 VA/18 W	750	88	II 2 GD	EEx me II T3, IP65	+80 max.	-20 ... +40	Junction box	0,50	38	2	6	9356

* The maximum temperature depends on the valve type

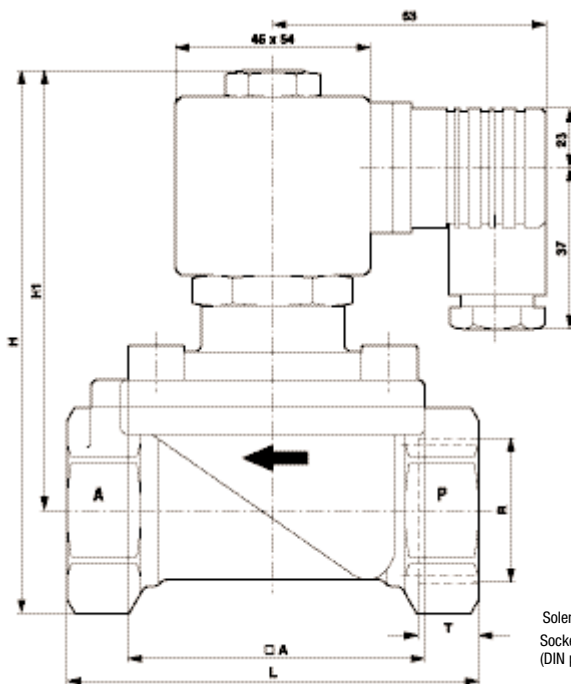
** The maximum temperature may be higher, depending on the application.

For solenoid dimensional drawings and circuit diagrams, see page 173

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

Cable clamping range 5 to 10 mm



Solenoid rotates 360°
Socket can be turned through 4 x 90°
(DIN plug supplied)

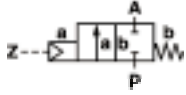
Model	□ A	H	H1	L	R	T
8237000xxx*****	44	105	90	67	G1/4	12
8237100xxx*****	44	105	90	67	G3/8	12
8237200xxx*****	44	105	90	67	G1/2	14
8237300xxx*****	70	130	105	95	G3/4	12,5
8237400xxx*****	70	130	105	95	G1	14

Buschjost 82580 Series

Angle seat valves pressure-actuated by external fluid

15 to 50 mm orifice (ND)

2/2, NC, G½ to G2



High operational function

Valve closes with flow direction

EC type examination certificate

Product ID-No. CE0085AT0081

Valve class A

Valve group 2

Qualification approval acc. to EN 161/3394 Part 1

Response time < 1s

Technical data

Medium:

Neutral flammable gases and gaseous fluids

Viscosity:

400 mm²/s (cSt) max.

Flow direction:

Fixed

Mounting:

Optional

Fluid temperature:

-10°C to +60°C max.

Ambient temperature:

-10°C to +60°C max.

Consult our Technical Service for use below +2°C

Pilot fluid:

Air +60°C max.

Pilot fluid temperature:

-10°C to +60°C max.

Materials

Valve:

Body: brass (CW602N)

Seat seal: FPM (Viton)

Body seal: FPM (Viton)

Internal parts: brass, stainless steel

Seal packing: Teflon PTFE

Viton FPM self-adjustable

Pilot:

Body: stainless steel, aluminium

with WEMA-Kor anti-corrosion coating

Seals: NBR

Internal parts: coated steel



Orifice (mm)	Port size	Operating pressure (bar)	Pilot pressure (bar)	kv value m ³ /h*	kg	Model**
15	G1/2	0 ... 10	5 ... 8	4,80	1,4	8258200xxxx*****
20	G3/4	0 ... 10	5 ... 8	10,00	1,5	8258300xxxx*****
25	G1	0 ... 10	5 ... 8	14,00	1,8	8258400xxxx*****
32	G1¼	0 ... 10	5 ... 8	23,00	2,4	8258500xxxx*****
40	G1½	0 ... 10	5 ... 8	30,00	2,7	8258600xxxx*****
50	G2	0 ... 10	5 ... 8	37,00	3,9	8258700xxxx*****

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

* Cv (US) ≈ kv x 1,2

** Note: 0000 without pilot valve, 0247 with pilot valve for d.c. or a.c.

Options selector

8258X ★ ★ ★ ★ ★ ★ ★ ★

Alternative models	Solenoid	Voltage	Substitute
On request		24 V d.c.	02400
		24 V 50 Hz	02450
		110 V 50 Hz	11050
		230 V 50 Hz	23050
	Substitute		
d.c./a.c.	0247		


Buschjost 82580 Series

Angle seat valves pressure-actuated by external fluid

15 to 50 mm orifice (ND)

2/2, NC, G $\frac{1}{2}$ to G2

Electrical details for solenoids for 3/2-way pilot valve

	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.	
	7	18/10	292	43	-	IP 65	+60 max.	-10 ... +60	DIN EN 175301-803	0,15	8	1	1	0247

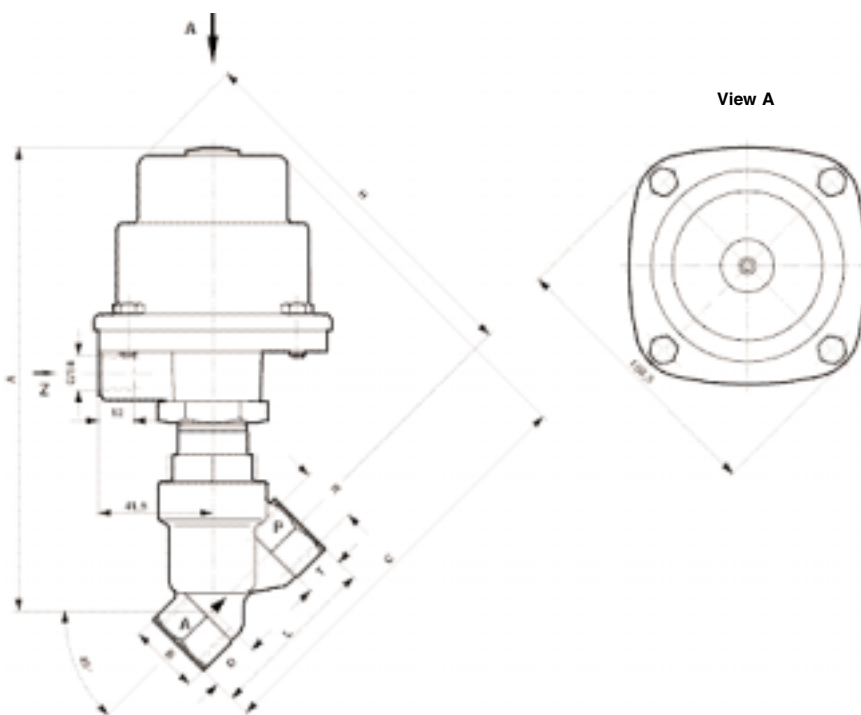
* The maximum temperature depends on the valve type

** 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 173



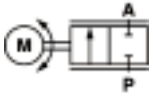
Model	A	B	C	D	H	L	R	T
8258200xxxx*****	175	SW 27	159	18,5	140,5	65	G1/2	15,0
8258300xxxx*****	182	SW 32	165	21,0	144,0	75	G3/4	16,5
8258400xxxx*****	190	SW 41	175	25,0	150,5	90	G1	15,0
8258500xxxx*****	205	SW 50	189	28,5	161,0	110	G1½	21,5
8258600xxxx*****	207	SW 55	193	31,0	162,5	120	G1½	21,5
8258700xxxx*****	219	SW 70	211	40,0	171,0	150	G2	26,0

Buschjost 82880 Series

Motor-actuated proportional valve

Without differential pressure

2/2 direct acting motor-actuated proportional valve, G½ to G1



Low power consumption

Choice of compact drives

Will handle dirty fluids

Valve remains on last setting if power lost

Throttle setting produced by wear-resistant control discs

Hermetic division between fluid and drive

Suitable for vacuum

Technical data

Medium:

Neutral fluids and gases

Viscosity:

80 mm²/s (cSt) max.

Flow direction:

Fixed

Mounting:

Preferred position: drive facing vertically upwards, inclination 45° max.

Fluid temperature:

-10°C to +90°C max.

Ambient temperature:

-10°C to +40°C max.

Consult our Technical Service for use below +2°C

Materials

Body: brass

Cover: brass

Internal parts: brass, stainless steel

Seals: NBR

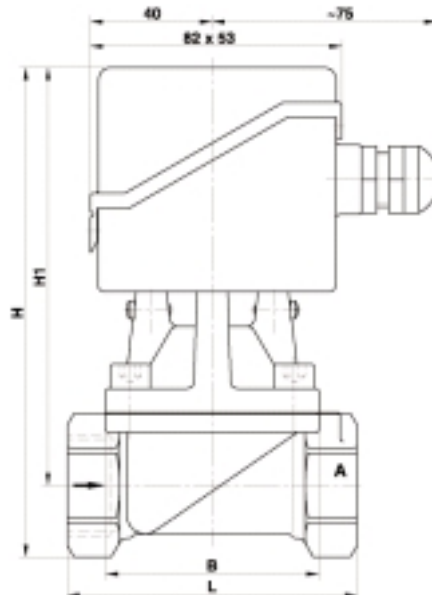
Control discs: ceramic oxide



Orifice (mm)	Port size	Operating pressure (bar)	kv value m ³ /h*	kg	Model
15	G1/2	-0,9 ... 10	1,1	0,9	8288200 96XX**
20	G3/4	-0,9 ... 6	4,4	1,6	8288300 96XX**
20	G1	-0,9 ... 6	4,4	1,6	8288400 96XX**

* Cv (US) ≈ kv x 1,2

** Please specify motor type, see 'Electrical data for motor drives'



Model	Connection	L	B	H	H1
8288200 96XX**	G 1/2	65	55	147	134
8288300 96XX**	G 3/4	95	70	164	140
8288400 96XX**	G 1	95	70	164	140

Buschjost 82880 Series

Motor-actuated proportional valve

Without differential pressure

2/2 direct acting motor-actuated proportional valve, G1/2 to G1

Electrical data for motor drives

Motor type	Voltage (V)	Frequency (Hz)	Power consumption (W)	Torque (Ncm)	Operating time (s)	Circuit diagram	Motor type
d.c. motor with feedback potentiometer	24	–	1,9	120	10 ... 14	01	9615 02400
d.c. motor with position controller	24	–	1,5	120	10 ... 16	02	9650 02400
Synchronous motor	24	50	3,0	120	10	03	9636 02450
Stepper motor	24	–	5,0	120	10	04	9638 02400
d.c. motor with feedback potentiometer	24	–	2,0	200	13	01	9624 02400
d.c. motor with position controller	24	–	2,5	200	13 ... 16	02	9651 02400

Circuit diagrams

01 d.c. motor

Wiring:

+ to 1 Direction of operation: CLOSE
- to 2

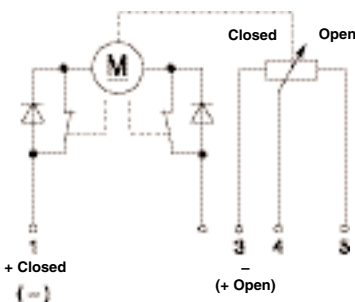
+ to 2 Direction of operation: OPEN
- to 1

Cutoff at limits provided by microswitches

Resistance between 3 and 4:

Minimum value - valve closed

Maximum value - valve opened



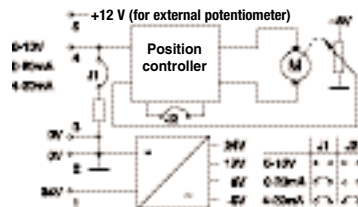
02 d.c. motor

Wiring:

1 and 2 Power supply

3 and 4 Input control voltage

5 Output/auxiliary



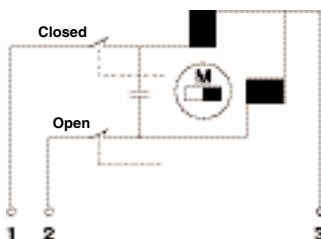
03 Synchronous motor

Wiring:

a.c. to 1 and 3 Direction of operation: CLOSE
2 unused

a.c. to 2 and 3 Direction of operation: OPEN
1 unused

Cutoff at limits provided by microswitches



04 Stepper motor

Wiring:

Motor frame

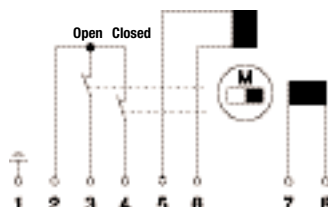
2 Reference potential for contacts

3 Limit feedback signal (OPEN)
contact opened at limit

4 Limit feedback signal (CLOSED)
contact opened at limit

5 and 6 Connections for phase 1

7 and 8 Connections for phase 2



Alternative versions

xxxxx60.96xx Seals FPM; Kv 1,1

xxxxx61.96xx Seals EPDM; Kv 1,1

8288262.96xx Control discs Kv 3,4 Pmax. 6 bar

Notes:

Not gas-tight in closed position

pmax 10 bar with G3/4 to G1 on request

Operating time depends on operating pressure

IP 54 with drive facing vertically upwards, inclination 45° max.

