

1 Enclosures, terminal boxes, construction site boxes

8 EX-PRESS pressurized enclosures Exp

1 Pressurized enclosure Ex px - zone 1 and 2 / Ex p - zone 21 and 22 - Serie FS850S

Control unit Ex p FS850S:

- compact
- intelligent
- economic

More information in the document "EX-PRESS pressurized enclosures Exp".

II 2 G Ex e mb [ib] [px] IIC T4/T6 Gb

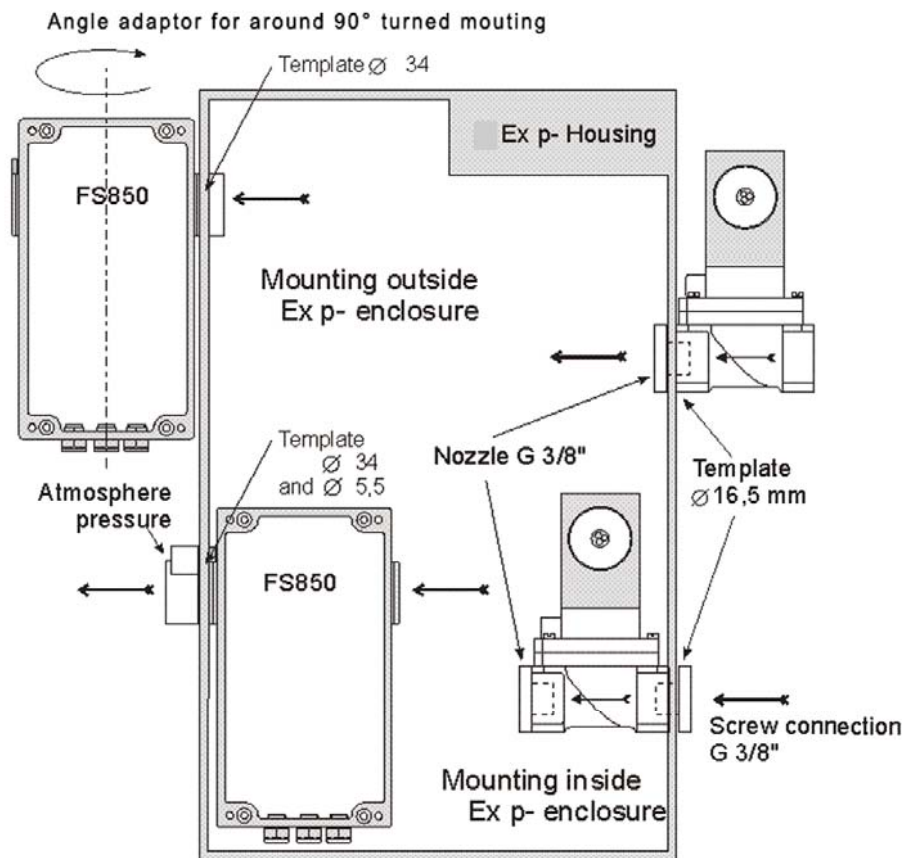
II 2 D Ex tb [ib] [p] IIIC T70°C Db IP65

Zone 0	✗	Zone 20	✗
Zone 1	✓	Zone 21	✓
Zone 2	✓	Zone 22	✓

BVS06ATEXE088

Specifications

Protection	IP65, without outlet drill
Material	aluminium RAL7035
EEx p configuration (parameter input)	LC-Display, menu guided (different languages: German, English, French and Dutch)
Storage (memory)	by EEPROM double saved
Pneumatic pressure range	0 ... 18 mbar
Switching capacity	<ul style="list-style-type: none"> • AC: $U \leq 250VAC$, $I \leq 5A$ at $\cos \varphi > 0,7$ • DC: $U \leq 30VDC$, $I \leq 5A$, $P \leq 150W$
Control circuits	intrinsically safe Ex ib IIC (for further details see DMT 99ATEXE003)
Consumption	ca. 2,5VA without peripherals
Mounting position	<ul style="list-style-type: none"> • position independent • only intake and outlet of the control unit should be lined up on a horizontal axis
Ambiant temperature	<ul style="list-style-type: none"> • -20°C - +45°C (T6) • -20°C - +60°C (T4)





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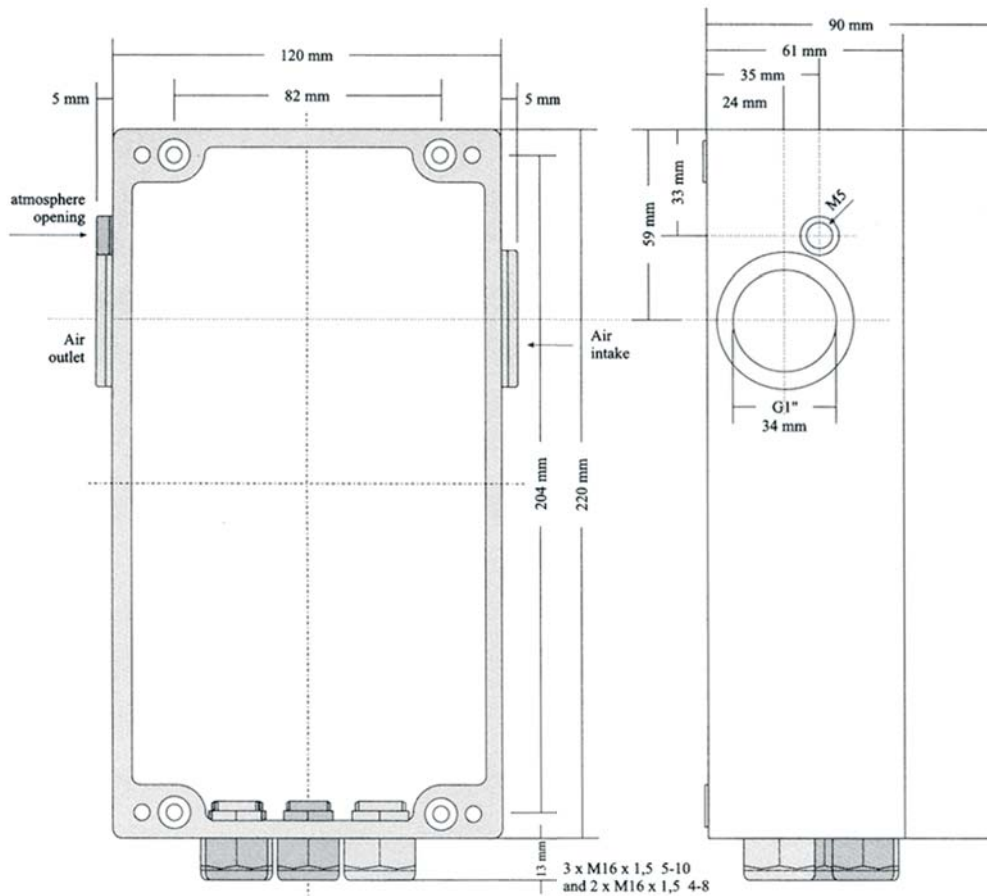
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Ordering data

Code	Voltage	Plate orifice (mm)	Range (m ³ /h)	Alarm contact
FS850S.0.0.1.W	230VAC	4	0,5 ... 1,1	✓
FS850S.0.2.1.W	230VAC	6	1,1 ... 2,7	✓
FS850S.0.4.1.W	230VAC	10	2,5 ... 6,5	✓
FS850S.0.6.1.W	230VAC	14	6,0 ... 11,0	✓
FS850S.0.8.1.W	230VAC	18	9,0 ... 15,0	✓
FS850S.6.0.1.W	24VDC	4	0,5 ... 1,1	✓
FS850S.6.2.1.W	24VDC	6	1,1 ... 2,7	✓
FS850S.6.4.1.W	24VDC	10	2,5 ... 6,5	✓
FS850S.6.6.1.W	24VDC	14	6,0 ... 11,0	✓
FS850S.6.8.1.W	24VDC	18	9,0 ... 15,0	✓

Dimensional sketches



Accessories

Control unit		
Code	Type	Classification
BT851.0	intelligent operation panel for mounting on the front	Ex ib IIC T6
BT851.5	intelligent operation panel in fieldhousing	Ex ib IIC T6
BT854.0	operation panel for mounting on the front	Ex ib IIC T6
BT854.1	operation panel for mounting on the front with key-operated switch	Ex ib IIC T6
BT855.0	operation panel in fieldhousing	Ex ib IIC T6
BT855.1	operation panel in fieldhousing with key-operated switch	Ex ib IIC T6





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Magnetic solenoid valve and adjustable Sinter metal throttle

Code	Description	Voltage	Nozzle	Housing volume
SVD.L.2-230VAC	digital magnetic solenoid valve	42VAC	2,0 mm	
SVD.L.3-42VAC	digital magnetic solenoid valve	42VAC	3,0 mm	
SVD.L.5-42VAC	digital magnetic solenoid valve	42VAC	5,0 mm	
SVD.L.1.5-42VAC	digital magnetic solenoid valve	42VAC	1,5 mm	
SVD.L.4-42VAC	digital magnetic solenoid valve	42VAC	4,0 mm	
SVD.L.5-110VAC	digital magnetic solenoid valve	110VAC	5,0 mm	
SVD.L.2-110VAC	digital magnetic solenoid valve	110VAC	2,0 mm	
SVD.L.3-110VAC	digital magnetic solenoid valve	110VAC	3,0 mm	
SVD.L.4-110VAC	digital magnetic solenoid valve	110VAC	4,0 mm	
SVD.L.1-24VAC	digital magnetic solenoid valve	24VAC	1,0 mm	
SVD.L.1-42VAC	digital magnetic solenoid valve	42VAC	1,0 mm	
SVD.L.2-24VAC	digital magnetic solenoid valve	24VAC	2,0 mm	
SVD.L.2-24VDC	digital magnetic solenoid valve	24VAC	2,0 mm	
SVD.L.3-24VDC	digital magnetic solenoid valve	24VAC	3,0 mm	
SVD.L.4-24VDC	digital magnetic solenoid valve	24VAC	4,0 mm	
SVD.L.5-24VDC	digital magnetic solenoid valve	24VAC	5,0 mm	
SVD.L.1.5-24VDC	digital magnetic solenoid valve	24VAC	1,5 mm	
SVD.L.1-24VDC	digital magnetic solenoid valve	24VAC	1,0 mm	
SVD.L.1.5-110VAC	digital magnetic solenoid valve	110VAC	1,5 mm	
SVD.L.3-24VAC	digital magnetic solenoid valve	24VAC	3,0 mm	
SVD.L.4-24VAC	digital magnetic solenoid valve	24VAC	4,0 mm	
SVD.L.5-24VAC	digital magnetic solenoid valve	24VAC	5,0 mm	
SVD.L.1.5-24VAC	digital magnetic solenoid valve	24VAC	1,5 mm	
SVD.L.1-110VAC	digital magnetic solenoid valve	110VAC	1,0 mm	
SVD.L.4-230VAC	digital magnetic solenoid valve	230VAC	4,0 mm	
SVD.L.5-230VAC	digital magnetic solenoid valve	230VAC	5,0 mm	
SVD.L.3-230VAC	digital magnetic solenoid valve	230VAC	3,0 mm	
SVD.L.2-230VAC	digital magnetic solenoid valve	230VAC	2,0 mm	
SVD.L.1.5-230VAC	digital magnetic solenoid valve	230VAC	1,5 mm	
SVD.L.1-120VAC	digital magnetic solenoid valve	120VAC	1,0 mm	
SVD.L.1-230VAC	digital magnetic solenoid valve	230VAC	1,0 mm	
SVD.L.5-120VAC	digital magnetic solenoid valve	120VAC	5,0 mm	
SVD.L.4-120VAC	digital magnetic solenoid valve	120VAC	4,0 mm	
SVD.L.3-120VAC	digital magnetic solenoid valve	120VAC	3,0 mm	
SVD.L.2-120VAC	digital magnetic solenoid valve	120VAC	2,0 mm	
SVD.L.1.5-120VAC	digital magnetic solenoid valve	120VAC	1,5 mm	
SVP.3-110VAC	proportional magnetic solenoid valve	110VAC		≤ 300 l
SVP.5-120VAC	proportional magnetic solenoid valve	120VAC		> 300 l
SVP.5-110VAC	proportional magnetic solenoid valve	110VAC		> 300 l
SVP.3-120VAC	proportional magnetic solenoid valve	120VAC		≤ 300 l
SVP.5-230VAC	proportional magnetic solenoid valve	230VAC		> 300 l
SVP.5-24VAC	proportional magnetic solenoid valve	24VAC		> 300 l
SVP.5-24VDC	proportional magnetic solenoid valve	24VAC		> 300 l
SVP.3-230VAC	proportional magnetic solenoid valve	230VAC		≤ 300 l
SVP.3-24VDC	proportional magnetic solenoid valve	24VAC		≤ 300 l
SVP.3-24VAC	proportional magnetic solenoid valve	24VAC		≤ 300 l
SVP.5-42VAC	proportional magnetic solenoid valve	42VAC		> 300 l
SVP.3-42VAC	proportional magnetic solenoid valve	42VAC		≤ 300 l

Fuse

Code	Current	Voltage	Valve
SI850.0	100 mA	230VAC	SVD
SI850.1	160 mA	120-110VAC	SVD
SI850.2	200 mA	230VAC	SVP
SI850.3	315 mA	110VAC-120VAC	SVP
SI850.5	630 mA	24VDC-24VAC	SVD
SI850.7	1600 mA	24VDC-24VAC	SVP

