

Pilot Solenoid Valve Plastic

Construction

The directly controlled GEMÜ 3/2 way solenoid valve consists of a solenoid encapsulated in plastic and a plastic valve body. A connector socket provides a connection to electrical supply. A manual override is integrated as standard.

GEMÜ 320: This variant is designed for single mounting. The valve body has a straight through design. The pneumatic connection is via a female thread.

GEMÜ 322: This variant is designed for battery mounting of up to 12 units (by using clips) depending on the devices to be controlled.

GEMÜ 324: For direct mounting to pneumatically operated valves or other devices (inlet and outlet arranged at an angle of 90°).

GEMÜ 326: Compact valve battery with aluminium distribution rail for mounting in switch gear cubicles or as a valve manifold near the pneumatic components to be controlled.

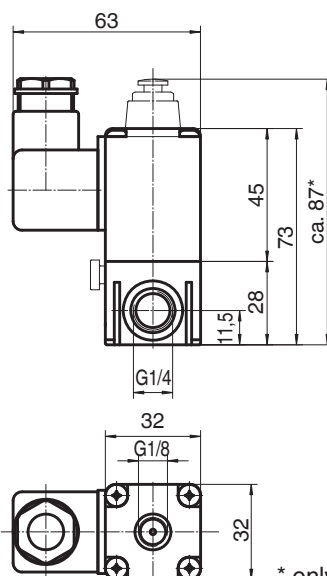
Features

- Suitable for the control of chemically inert gases
- Control functions “normally closed” and “normally open” are available
- ATEX marking: Ex II 3 GD EEx nA II T3 T 150°C

Advantages

- Robust design
- Reliable direct control of the control medium
- Multi-functional application possibilities due to various designs
- Accessories (only for GEMÜ 326)
 - Battery rails and blanking plates

Dimensions - GEMÜ 320 [mm]



For dimensions for GEMÜ 322, 324 and 326 see page 3.



GEMÜ 320



GEMÜ 322



GEMÜ 324



GEMÜ 326

Technical data

Working medium

Chemically inert gases	
Temperature range of working medium	-15 to +50° C
Working pressure	0 - 10 bar

Ambient conditions

Ambient temperature	-20 to +50°C
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Rating

Continuously rated

Power consumption

Pull in current	18 VA
Hold in current	8 VA or 6.5 W

Electrical connection

Standard connector socket, form A DIN EN 175301-803

K_v value

Normally closed	1.2 l/min
Normally open	1.2 l/min

Weight

220 g

Max. switching frequency

3600 times/hour

Switching time

20 ms

Permissible voltage tolerances

-10 / +6%

Protection class

IP 65

Installation note

If installed in switch gear cubicles adequate ventilation must be provided.

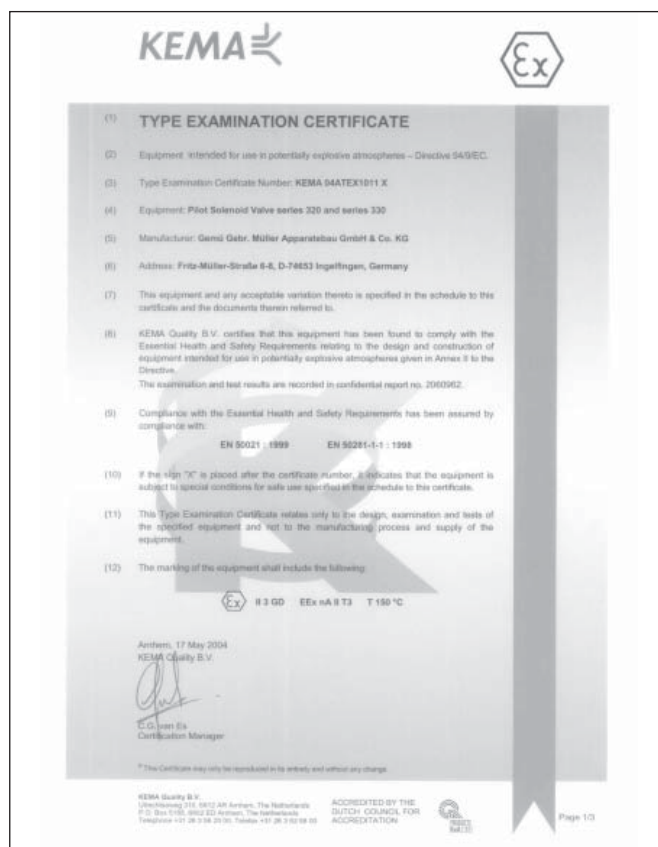
Approval (24 V DC, 230 V 50/60 Hz)

Explosion protection marking acc. to ATEX

Ex II 3 GD EEx nA II T3 T 150°C

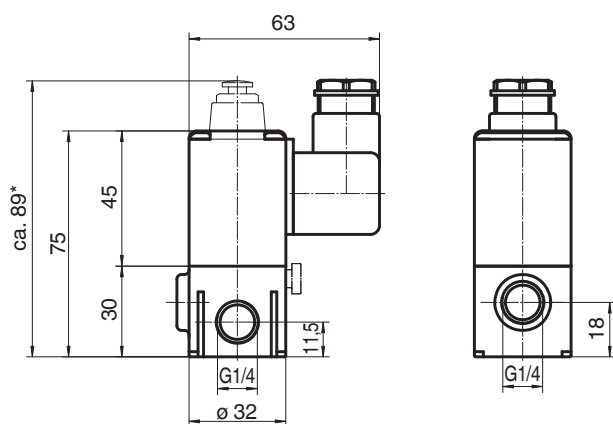
Type examination certificate

KEMA 04 ATEX 1011 X



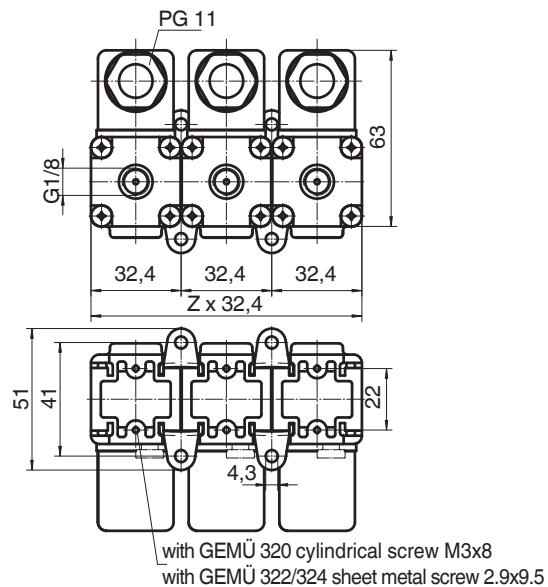
Dimensions [mm]

GEMÜ 322



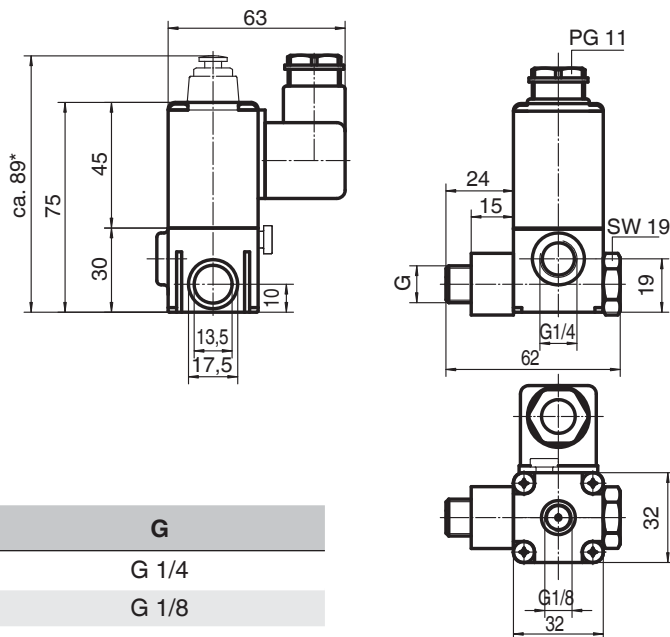
* only control function 2

Battery GEMÜ 322



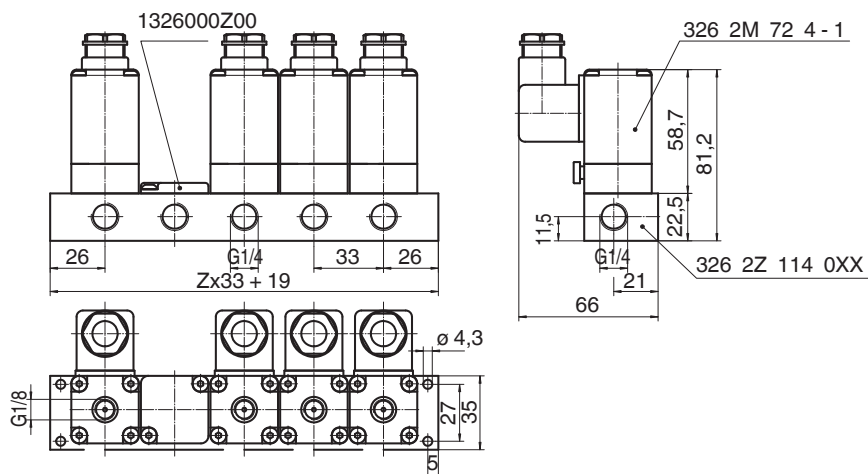
GEMÜ 324

* only control function 2



Type of design	G
Standard	G 1/4
5200	G 1/8

GEMÜ 326



Order data

Type	Code
Single mounting	320
Single or battery mounting system	322
Single valve with hollow bolt	324
Compact valve manifold Ventilinsel	326
Nominal size	Code
2 mm	2
Body configuration	Code
Multi-way body	M
Connection	Code
Threaded sockets DIN ISO 228 (GEMÜ 320, 324)	1
Threaded sockets DIN ISO 228 (GEMÜ 322)	01
Threaded sockets DIN ISO 228 (GEMÜ 326)	
Valve body material	Code
PBTP (GEMÜ 320, 324)	25
PPS (GEMÜ 322, 326)	72

Seal material	Code
FPM	4
Control function	Code
Normally closed	1
Normally open*	2
* only GEMÜ 320, 322, 324	
Supply voltages / frequency	Code
24 V DC	24 DC
24 V 50/60 Hz	24 50/60
120 V 50/60 Hz	120 50/60
230 V 50/60 Hz	230 50/60
Other voltages on request	
Type of design (GEMÜ 324)	Code
Hollow bolt, male thread G 1/4	-
Hollow bolt, male thread G 1/8	5200

Order example	322	2	M	1	72	4	1	230	50/60	-
Type	322									
Nominal size		2								
Body configuration (code)			M							
Connection (code)				1						
Valve body material (code)					72					
Seal material (code)						4				
Control function (code)							1			
Supply voltage (code)								230		
Frequency (code)									50/60	
Type of design (nur GEMÜ 324) (code)										-

Order data - Accessories (only for GEMÜ 326)

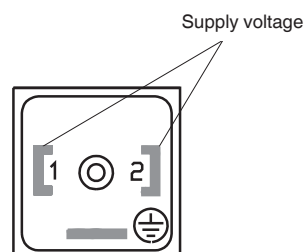
Battery rails

Connection	Code
Threaded sockets 1/4	1
Material	Code
Aluminium	14

DN [mm]	Battery rail	Order no.
2	2-fold	326 2Z 114 002
	3-fold	326 2Z 114 003
	4-fold	326 2Z 114 004
	5-fold	326 2Z 114 005
	6-fold	326 2Z 114 006
	7-fold	326 2Z 114 007
	8-fold	326 2Z 114 008
	9-fold	326 2Z 114 009
	10-fold	326 2Z 114 010

Blanking plate

Order no.
326000ZBL
Connection diagram for plug Form A (DIN EN 175301-803)



For further solenoid valves, accessories and other products, please see our Product Range catalogue and Price List. Contact GEMÜ.

GEMÜ® VALVES, MEASUREMENT AND CONTROL SYSTEMS

