

FEATURES

- Remote-controlled valves for combustible gas, bronze or stainless steel body
- Valves satisfy the Pressure Equipment Directive 97/23/EC, EN 161 and European gas appliance directive (90/396/EEC) as amended by 93/68/EEC
- **EC type examination certificate CE, AFNOR No. 49AT2518**
- These valves are certified for operation up to 10 bar, instead of 4 bar as required under Standard EN 161
- All valves are for class A - Groupe 2 service and cover gas family 1 - 2 and 3
- All valves are suitable to withstand 150 mbar back pressure
- High flow due to angled seat design - fluid entry above the disc
- High performance maintenance-free stuffing box

GENERAL

fluids	temperature range (TS)	disc seal
gas family 1 - 2 - 3	- 10°C to + 60°C	PTFE

Differential pressure 0 to 10 bar [1 bar = 100 kPa]
Time for closing / for opening 1 s max. with pilot solenoid valve directly connected to valve operator

Note: Opening and closing times depend on using pilot valves meeting the requirements in the table below

Pilot fluid Air
Max. pilot pressure 9 bar
Min. pilot pressure 5 bar - see graph following page
Pilot fluid temperature -10°C to +60°C

CONSTRUCTION

Valve body Bronze or stainless steel
Stuffing box packing PTFE chevrons
Disc seal PTFE
Operator Glass fibre filled PA
Pilot port insert Brass

PILOT SOLENOID VALVES SELECTION

- Must meet European low voltage directive and electromagnetic compatibility requirements
- Non-locking NC 3/2 versions (without manual operator)
- Must allow the main valve to close automatically as per standard EN 161

operator diameter (mm)	Kv (m³/h) min. ⁽¹⁾ through pilot valve required to		response time (ms) ⁽²⁾ through pilot valve required to		pilot valve recommended ⁽³⁾ (without manual operator)	
	close the valve	open the valve	close the valve	open the valve	description	catalogue number
63	0,04	0,03	10	7	356 G1/8 Ø1,2	SCG356A061V

⁽¹⁾ Including pipe up to main valve.

⁽²⁾ TRC1 and TRA1 as per procedure LAB 11043.

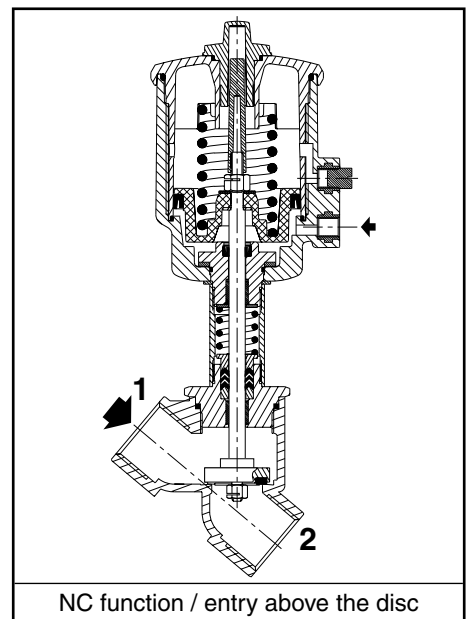
⁽³⁾ Adapter nipple, coil and connector included for AC service only.

SPECIFICATIONS

piping (ISO 6708)		flow ⁽⁴⁾		pilot pressure (bar)		operating pressure differential (bar)		operator diameter (mm)	catalogue number	
pipe size (G*)	DN	(m³/h)	(l/min)	min. ⁽⁵⁾	max.	min.	max.		bronze	stainless steel
NC - Normally closed, entry above disc										
1/2	15	19	320	1	9	0	10	63	EGE290A036	EGE290A079
3/4	20	39	650	1	9	0	10	63	EGE290A037	EGE290A080
1	25	54	900	1	9	0	10	63	EGE290A038	EGE290A081
1 1/4	32	102	1700	1	9	0	10	63	EGE290A039	EGE290A082
1 1/2	40	144	2400	1	9	0	10	63	EGE290A040	EGE290A083
2	50	180	3000	1	9	0	9	63	EGE290A042	EGE290A085

⁽⁴⁾ For 2,5 mbar pressure drop air 1,0 s.g. at 1,013 mbar and 15°C.

⁽⁵⁾ Minimum pilot pressure varies with differential pressure, see graph following page.



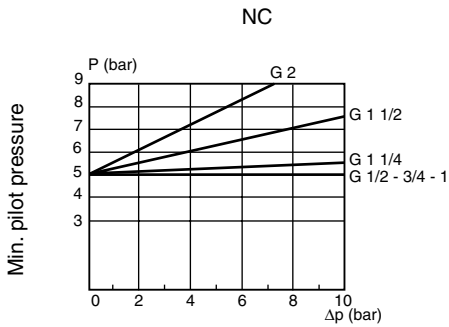
OPTIONS

- Signaling box with mechanical or inductive valve open/closed contacts
- NET-INOX passivation treatment on stainless steel body valve

INSTALLATION

- Install strainer upstream of valve with a mesh size below 1.5 mm through which a 1 mm dia. rod cannot pass
- The valves can be mounted in any position without affecting operation
- Installation/maintenance instructions are included with each valve
- Spare parts kits are available

MINIMUM PILOT PRESSURE

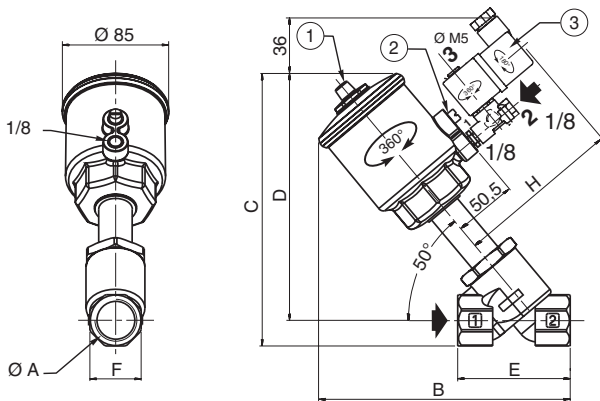


DIMENSIONS (mm), WEIGHT (kg)



TYPE 01

63 mm operator
Fluid entry:
above the disc at 1



type	operator diameter	ØA	B	C	D	E	F	H ⁽¹⁾	weight	
									⁽²⁾	⁽³⁾
01	63 mm	1/2	183	197	183,5	65	27	122,5	1,2	1,37
		3/4	191	205	189	75	32	122,5	1,3	1,47
		1	198	215	194,5	90	41	122,5	1,7	1,87
		1 1/4	217	229	204	110	50	122,5	2,1	2,27
		1 1/2	224	245	215	120	60	122,5	2,9	3,07
		2	249	259	224	150	70	122,5	3,7	3,87

- ⁽¹⁾ Maximum size with pilot.
⁽²⁾ Weight of the valves without pilot.
⁽³⁾ Weight of the valves with pilot.

- ① Position indicator
② Filter-plug (non-removable)
③ Pilot solenoid valve despatched separately: see preceding page