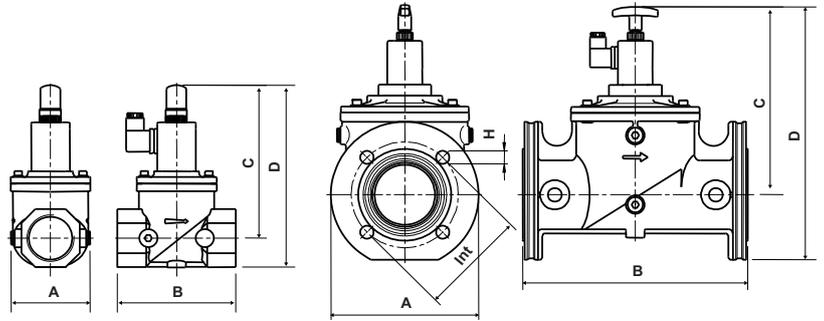


# ZD..NC

## Normally closed electromagnetic safety valves with manual reset

Normally closed electromagnetic safety valves for air and non-aggressive gases (according to EN437) with manual reset.



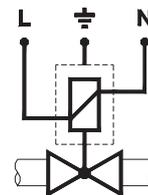
DN	A	B	C	D	Int	h
DN15	30	58	115	130	-	-
DN20	35	55	113	130	-	-
DN25	40	62	115	137	-	-
DN32	120	153	202	234	-	-
DN40	120	153	202	234	-	-
DN 50	106	156	206	244	-	-
DN 65	200	305	262	352	145	4x18
DN 80	200	305	262	352	160	8x18
DN 100	252	350	305	405	180	8x18

	Connection type	Passage DN	Power supply	Body	Maximum pressure mbar	Absorption W	Unit weight Kg
ZDVGRM15NC	threaded RP 1/2	15	230Vac 50/60Hz	brass	500	8	0,4
ZDVGRM20NC	threaded RP 3/4	20	230Vac 50/60Hz	brass	500	8	0,7
ZDVGRM25NC	threaded RP 1	25	230Vac 50/60Hz	brass	500	8	2
ZDEVRM32NC	threaded RP 1 1/4	32	230Vac 50/60Hz	aluminum	500	12	2
ZDEVRM40NC	threaded RP 1 1/2	40	230Vac 50/60Hz	aluminum	500	12	2,3
ZDEVRM50NC	threaded RP 2	50	230Vac 50/60Hz	aluminum	500	12	7,6
ZDEVRMF65NC	flanged DN 65	65	230Vac 50/60Hz	aluminum	500	12	7,6
ZDEVRMF80NC	flanged DN 80	80	230Vac 50/60Hz	aluminum	500	12	17
ZDEVRMF100NC	flanged DN 100	100	230Vac 50/60Hz	aluminum	500	45	16
ZDVGRM15NCF	threaded RP 1/2	15	24Vac/dc	brass	500	8	0,4
ZDVGRM20NCF	threaded RP 3/4	20	24Vac/dc	brass	500	8	0,7
ZDVGRM25NCF	threaded RP 1	25	24Vac/dc	brass	500	8	2
ZDEVRM32NCF	threaded RP 1 1/4	32	24Vac/dc	aluminum	500	12	2
ZDEVRM40NCF	threaded RP 1 1/2	40	24Vac/dc	aluminum	500	12	2,3
ZDEVRM50NCF	threaded RP 2	50	24Vac/dc	aluminum	500	12	7,6
ZDEVRMF65NCF	flanged DN 65	65	24Vac/dc	aluminum	500	12	7,6
ZDEVRMF80NCF	flanged DN 80	80	24Vac/dc	aluminum	500	12	17
ZDEVRMF100NCF	flanged DN 100	100	24Vac/dc	aluminum	500	45	16

# ELECTRICAL CHARACTERISTICS

Rated voltage: 230Vac - 50/60Hz or 24Vac/dc

Upon request valves are available with coils for the following voltages: 110V AC 50/60Hz or 12V AC/DC



# STANDARDS AND APPROVALS

Complies with 73/23/CEE; 89/336/CEE standards



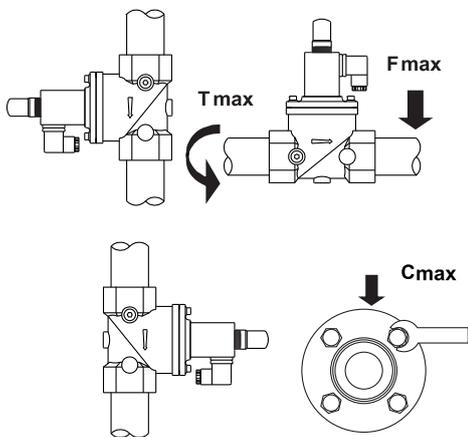
# INSTALLATION

Check the correspondence between flow direction and the arrow printed on valve body, verify the correct alignment of connecting pipes and allow enough space from the walls to allow free air circulation.

The valve may be mounted with coil in horizontal or vertical position. The coil may be oriented 360 degrees in any direction.

Install the valve in an area protected from rain and water splashes or drops.

For electrical connection remove the cap of the plug and connect power cables to circuit clamps.



MODEL	Fmax t<10S (Nm)	Tmax (Nm)	Cmax (Nm)
ZDVGRM15...	105	50	-
ZDVGRM20...	225	85	-
ZDVGRM25...	340	125	-
ZDVGRM32...	475	160	-
ZDVGRM40...	610	200	-
ZDVGRM50...	1100	250	-
ZDVGRMF65...	1600	-	50
ZDVGRMF80...	2400	-	50
ZDVGRMF100...	5000	-	50

# OPERATION

Normally closed gas safety valve with manual reset.

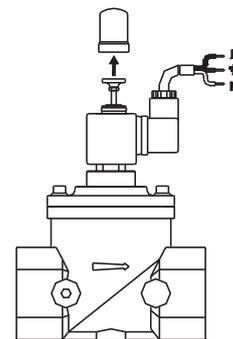
When isn't in working position, the spring acts on the shutter keeping the gas passage closed. Simply by energizing the coil the valve does not open.

It is necessary to manually move the reset rod located on the top of the coil. Once opened, the valve can maintain this state until the electric current circulates through the coil.

In absence of electric current the valve closes rapidly and remains shut off when the power supply returns.

Once the cause of stoppagee has been eliminated, the valve must be opened manually, as described above.

This type of device, used with one or more pressure switch(es) is suitable for shutting off when there is no gas, air, or current and is suitable for continuous service (always live).



# TECHNICAL FEATURES

Voltage tolerance: -15% / +10%.

Environment temperature: -15°C / +60°C.

Working pressure: 500 mbar Max.

Closing time < 1 second.

Protection degree: IP65.

Cable gland: PG 9.

Pressure inlets: G1/4" on two sides (except models with brass body).

Limit switch: by request from 3/4" to 4".

Gas type: Air and non-aggressive gases (EN 437).

Filter: 600 µm (except models with brass body).