

GATEX PRO - EXPLOSION-PROOF QUICK-ACTING SLIDE VALVE



The GatEx PRO quick-acting slide valve is part of a system used to prevent the propagation of an explosion between the individual units of the production technology. When an explosion occurs, the pipe will be completely closed in milliseconds.

The GatEx PRO is activated when an explosion is detected. The DetEx pressure detector and the LumEx 1 or LumEx 4 optical detectors can be used for detection, installed on the protected device. Activation of the GatEx PRO is also possible via the explosion venting device, installed on a protected device VENT PRO, equipped with an opening indicator complying with standard EN 60079-25.

The detector sends an explosion signal to the control unit CONEX-IVM. CONEX IVM is used to monitor the basic status of GatEx PRO and manual closing or opening. Information about the increased explosion pressure subsequently continues to the control unit CONEX, where the signal is evaluated as an explosion. CONEX then sends a signal again via CONEX-IVM to the GatEx PRO quick-release valve, which by moving it from the initial position causes the compressed air to blow out of the air into the pneumatic cylinder, thereby closing the GatEx PRO.

The GatEx PRO is designed in accordance with European Directive 2014/34/EU, based on EN 15 089. The GatEx PRO falls into the group II of device, for the zone 20 and 0 inside the slide and for zone 22 and 2 outside the slide.

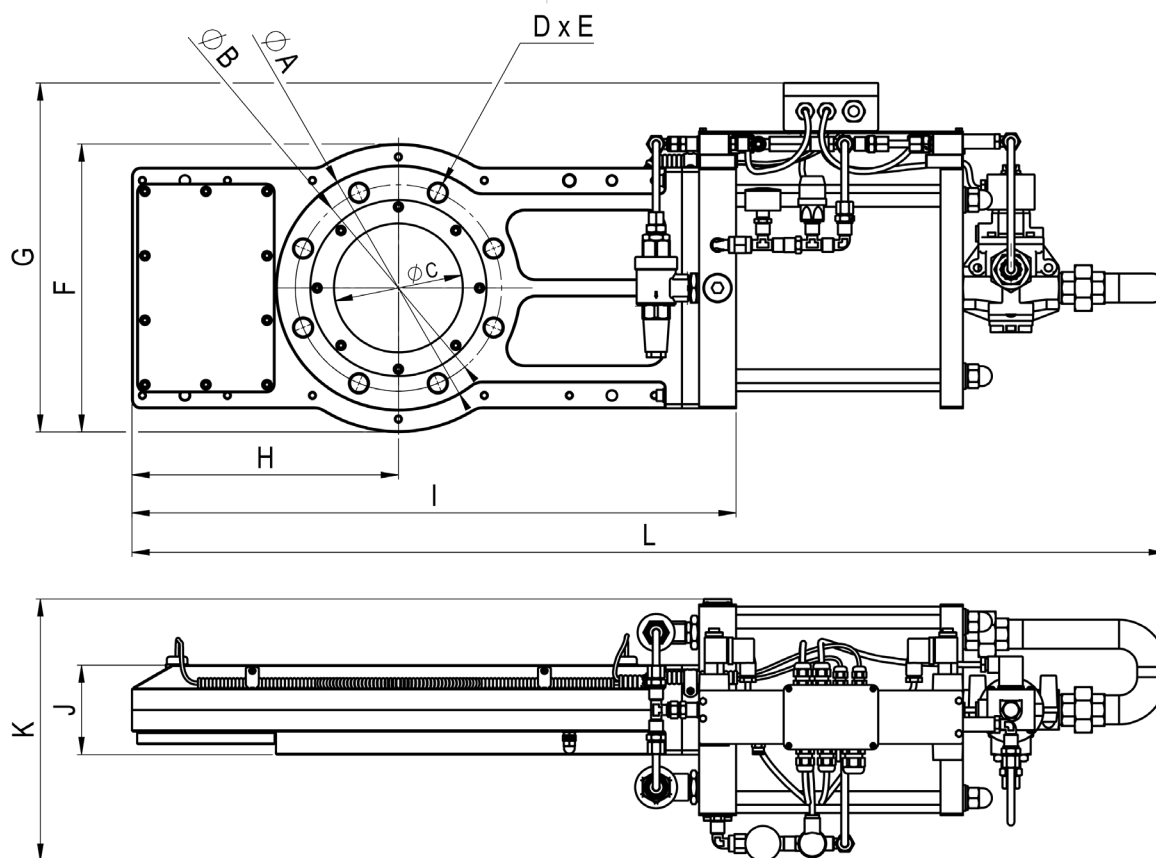
TECHNICAL PARAMETERS

Ambient temperature	-20 °C to +50 °C (with a heated bag from -40 °C, with other special components to +70 °C)
Operating temperature	-20 °C to +80 °C
Storage temperature	+10 °C to +40 °C
Body	aluminium alloy
Cutting edge	stainless steel
Insert body	stainless steel
Flange basked	EPDM supplied with GatEx PRO.
Bolting material for attaching slide to the pipeline route	DIN 933 screws (strength 8.8), flat washers DIN 125; flexible washers DIN 128, all supplied with GatEx PRO
Flange	based on EN 1092

OPTIONAL ACCESSORIES

Unit for adjustment of compressed air - Filter	it serves to filter air before entering the GatEx PRO slide
Heated bag	allows the outdoor instalation

DIMENSIONAL DIAGRAM



BASIC PRODUCT RANGE AND DIMENSION

DN [mm]	A [mm]	B [mm]	C [mm]	D	E	F [mm]	G [mm]	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	Weights [kg]
50	165	125	50	4	M16	230	336	193	436	104	299	837	44
65	185	145	65	8	M16	245	344	202.5	468	104	299	884	48
80	200	160	80	8	M16	260	351	205	493	104	299	924	51
100	220	180	100	8	M16	280	379	235	553	104	305	1004	58
125	250	210	125	8	M16	305	391	273	628	104	305	1104	64
150	285	240	150	8	M20	335	406	310	703	104	305	1204	73
200	340	295	200	12	M20	390	458.5	385	853	124	305	1404	100