

MK1

electropneumatic valve



Zator
gluing solutions

DATASHEET





TECHNICAL DESCRIPTION

The extrusion valve MK1 is a high frequency dispenser of glues, adhesives and fluids, from low to high viscosity.

Designed to be used on a variety of machines, the MK1, is a pneumatically triggered, single or double acting, compact valve.

The valve has a tungsten carbide needle, the main body is machined from solid metal with non-stick coating, providing a sturdy and easy maintenance valve, even in severe working condition. A chamber for grease/oil for the lubrication of the internal needle gaskets can be realized, upon request.

The MK1 can be equipped with a vast array of stainless steel nozzles, various in shapes and diameters, designed to fulfill various application needs. The micrometric adjustment (optional), allows for a more precise control of the quantity of the dispensed fluid, avoiding product waste.

The MK1 can also be operated completely pneumatically, in this case, it takes the name of MV1 (see the dedicated datasheet). Both solutions are compatible and interchangeable even after purchase (see fig. 1).

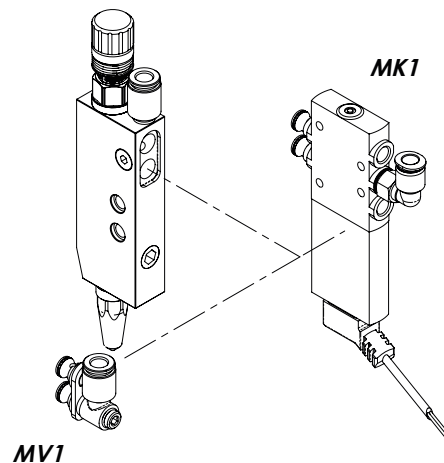


Fig. 1

APPLICATION FIELDS

- | packaging
- | paper converting
- | case maker
- | wood industry
- | assembly
- | food industry

FLUID TYPES

- | adhesives and glues
- | inks
- | paints
- | lubricants
- | low, medium and high viscosity fluids



TECHNICAL DATA

technical data

Available nozzle diameters	from 0,3 to 1,5 mm
Air pressure control	min. 5 bar
Drive type	double action
Maximum working pressure	80 bar
Coil	24V
Maximum working frequency	80 dots/sec.
Weight	380 g



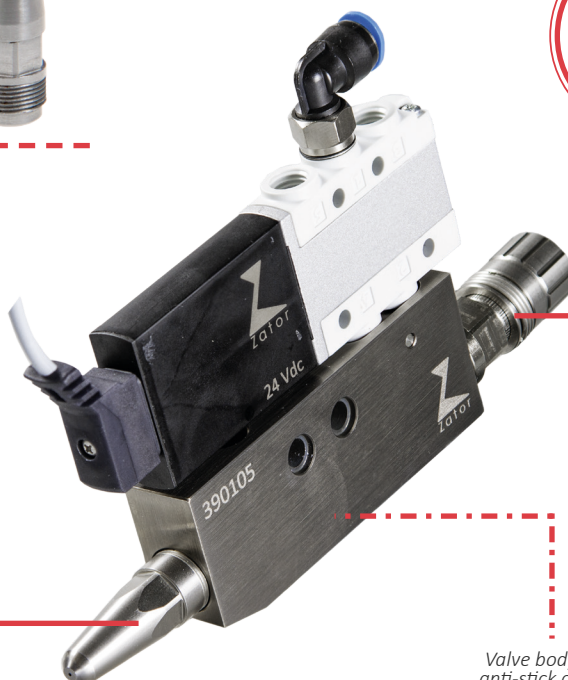
Dots and lines



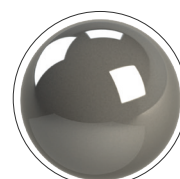
Available nozzles



Adjustment



Valve body with anti-stick coating



FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST



MODELS

code	description
MK01B00XX0	Extrusion valve MK1LVNR screw adjustment

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*

code	description
MK01C00XX0	Extrusion valve MK1LVRM micrometric adjustment

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*

code	description
MK09B00150	Extrusion valve MK1SYNR screw adjustment

code	description
MK09C00150	Extrusion valve MK1SYRM micrometric adjustment

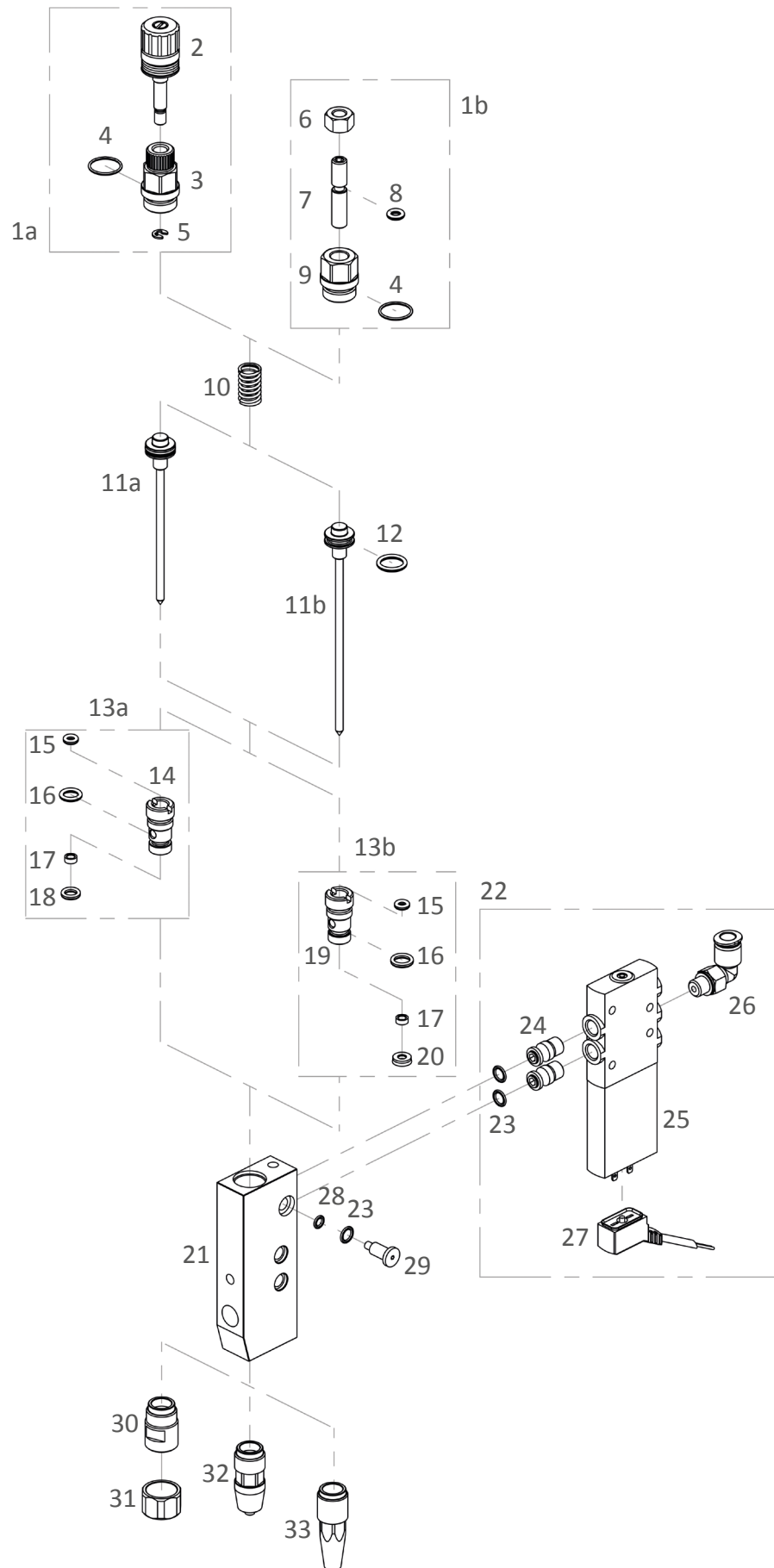
code	description
MK06B00200	Extrusion valve MK1MGNR screw adjustment

code	description
MK06C00200	Extrusion valve MK1MGRM micrometric adjustment





PARTS LIST



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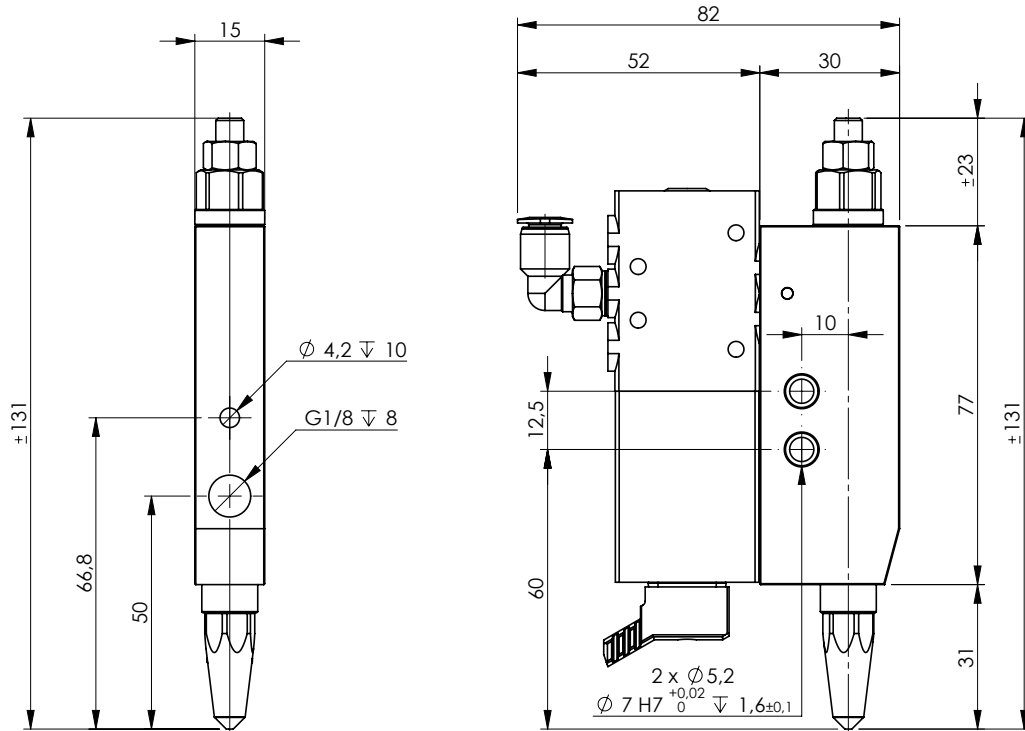
pos.	code	q.ty	description
1a	C32500007	1	Micrometric adjustment complete
1b	C32500002	1	Screw adjustment complete
2	C32500008	1	Micrometric adjustment knob
3	C32500009	1	Micrometric adjustment block
4	RNG100X10E	2	O-ring ¹⁻²
5	SGG200231	1	Adjustment circlip
6	NT0006010	1	Nut
7	C32500003	1	Screw
8	RNG000007E	1	O-ring ¹⁻²
9	C32500004	1	Screw adjustment block
10	CCS000400	1	Spring
11a	NDL402002	1	Needle KV
11b	NDL401002	1	Needle LV
12	RNG000011E	1	O-ring ¹⁻²
13a	H83100204	1	Standard lock bush complete
13b	BSG00400	1	Double seal lock bush complete
14	H83100104	1	Standard lock bush
15	RNG000006E	1	O-ring ¹⁻²
16	RNG000010E	1	O-ring ¹⁻²
17	SHS30790T	1	Gasket ¹⁻²
18	RNG000008E	1	O-ring ¹
19	BSH000400	1	Double seal lock bush
20	VRS30760T	1	Gasket ²
21	BG004001	1	Valve body
22	KCN004000	1	Coil connection kit
23	RNG050X10E	3	O-ring ¹⁻²
24	BSH004000	2	Connection lock bush
25	ELT000550	1	24V Coil
26	RRBE0452	1	90° fitting
27	WCB250005	1	Connection cable



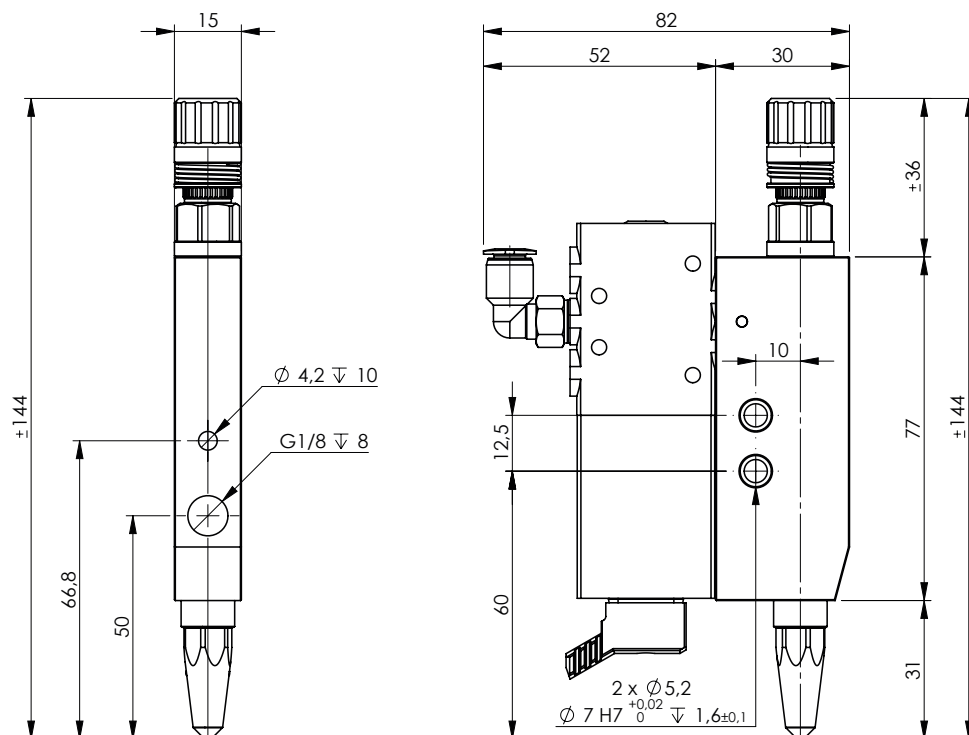
pos.	code	q.ty	description
28	RNG030X10E	1	O-ring ¹⁻²
29	SC09030131	1	Screw
30	H85800101	1	Nozzle MG
31	H85800204	1	Nozzle nut MG
32	H85100150	1	Nozzle Syrin
33	H853100XX	1	Nozzle LV
<i>Replace XX value with nozzle diameter desired Available nozzle diameters from 0,3 to 1,5 mm</i>			
	KG0040000	1	Gasket kit ¹
	KG0040001	1	Viton gasket kit ¹
	KG0040002	1	Double seal gasket kit ²
	KG0040003	1	Viton double seal gasket kit ²

DIMENSIONS

MK01B00XX0

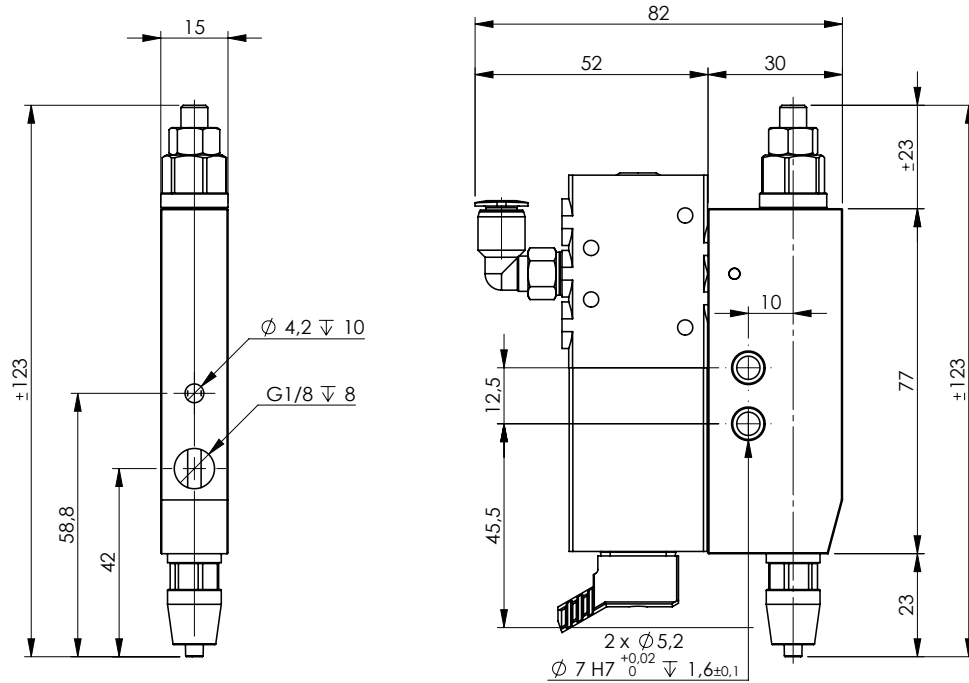


MK01C00XX0

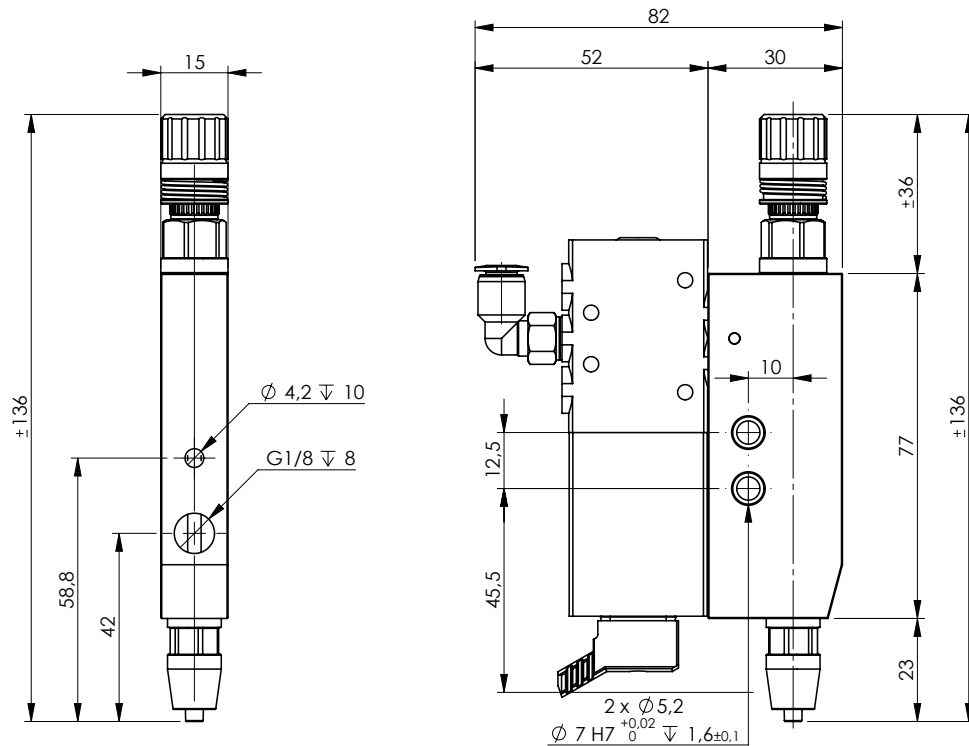




MK09B00150

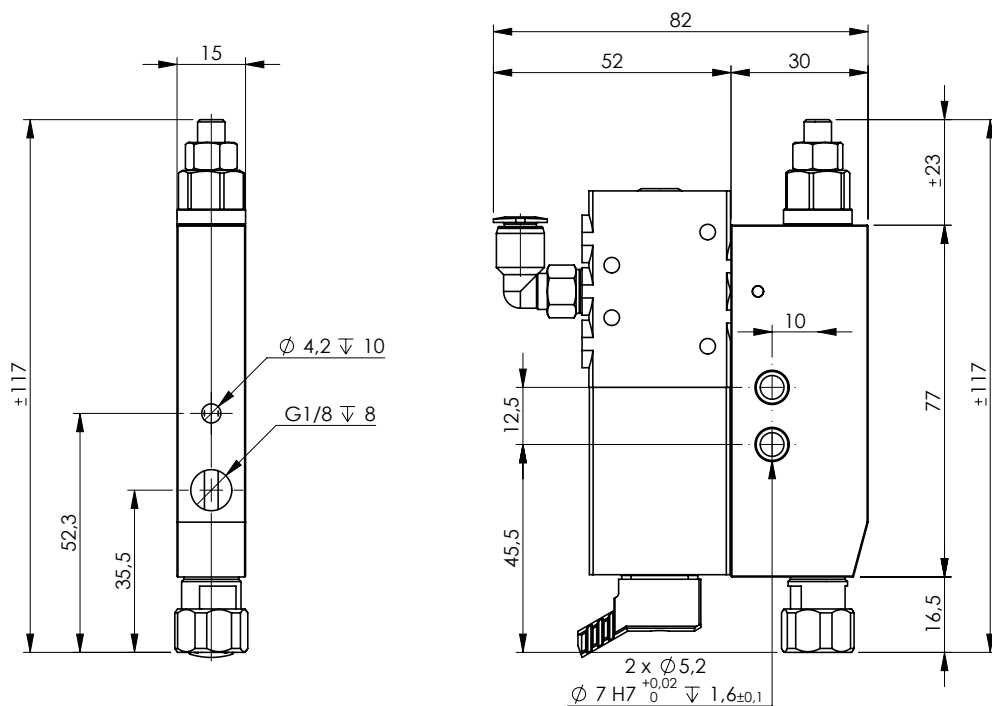


MK09C00150

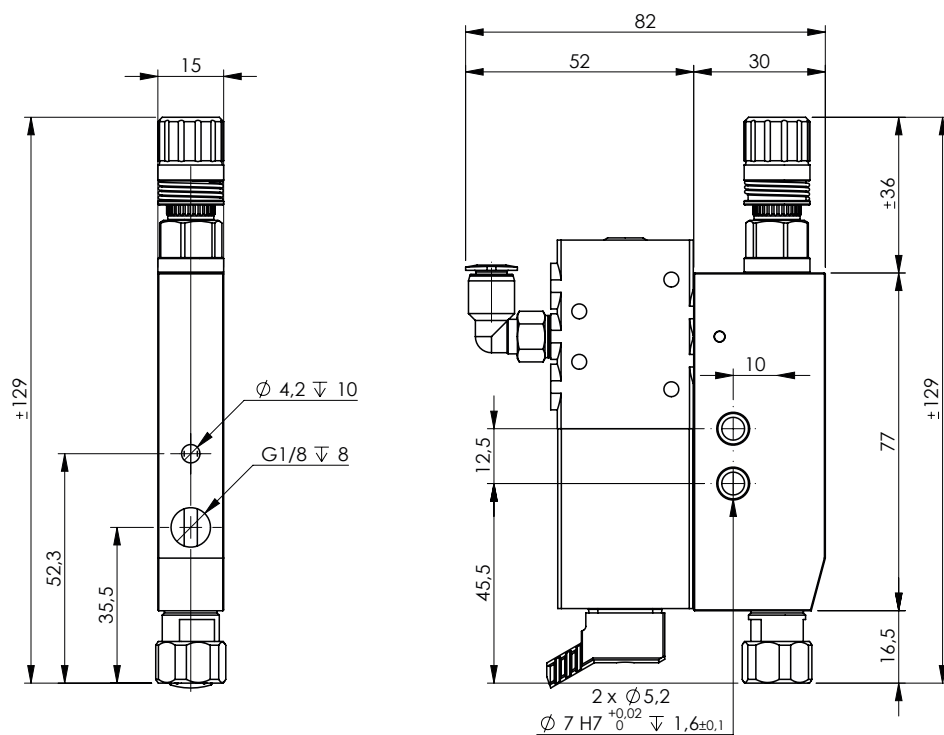




MK06B00200



MK06C00200



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Datasheet
MK1_v01

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