

MV1

electropneumatic valve



Zator
gluing solutions

DATASHEET



TECHNICAL DESCRIPTION

The extrusion valve MV1 is a dispenser of glues, adhesives and fluids, from low to high viscosity. Designed to be used on a variety of machines, is a pneumatically triggered, single or double acting, compact 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.

The MV1 can be equipped with a vast array of stainless steel nozzles.

The micrometric adjustment (optional), allows for a more precise control of the quantity of the dispensed fluid, avoiding product waste. The MV1 can be activated even via an electropneumatic, 5 ways valve, in this case, it takes the name of MK1 (see dedicated datasheet).

Both solutions are compatible and interchangeable even after purchase (fig.1).

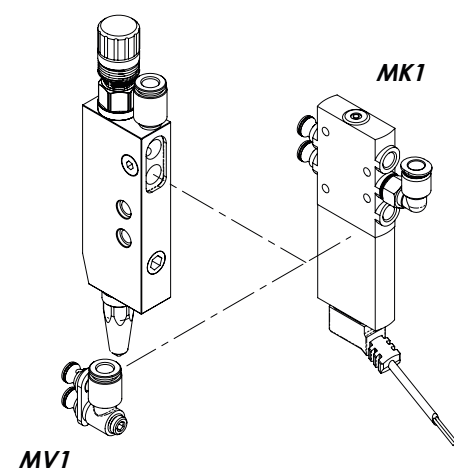


Fig. 1

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	single or double action
Maximum working pressure	80 bar
Weight	380 g



Dots and lines



Available nozzles



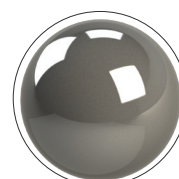
Screw

Micrometric

Adjustment



*Valve body with
anti-stick coating*



**FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST**



MODELS

code	description	€
MV02B00XX0	Extrusion valve MV1KVN screw adjustment	

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



code	description	€
MV02C00XX0	Extrusion valve MV1KVR micrometric adjustment	

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



code	description	€
MV01B00XX0	Extrusion valve MV1LVN screw adjustment	

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



code	description	€
MV01C00XX0	Extrusion valve MV1LVR micrometric adjustment	

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



code	description	€
MV04B00XX0	Extrusion valve MV1KL7N screw adjustment	

MV05B00XX0	Extrusion valve MV1KL10N screw adjustment
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*



code	description	€
MV04C00XX0	Extrusion valve MV1KL7R micrometric adjustment	

MV05C00XX0	Extrusion valve MV1KL10R micrometric adjustment
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*





code	description	€
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MV09B00150	Extrusion valve MV1SYNR screw adjustment	
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code	description	€
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MV09C00150	Extrusion valve MV1SYRM micrometric adjustment	
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code	description	€
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MV07B00200	Extrusion valve MV118NR screw adjustment	
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code	description	€
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MV07C00200	Extrusion valve MV118RM micrometric adjustment	
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code	description	€
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MV06B00200	Extrusion valve MV1MGNR screw adjustment	
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code	description	€
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MV06C00200	Extrusion valve MV1MGRM micrometric adjustment	
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PARTS LIST

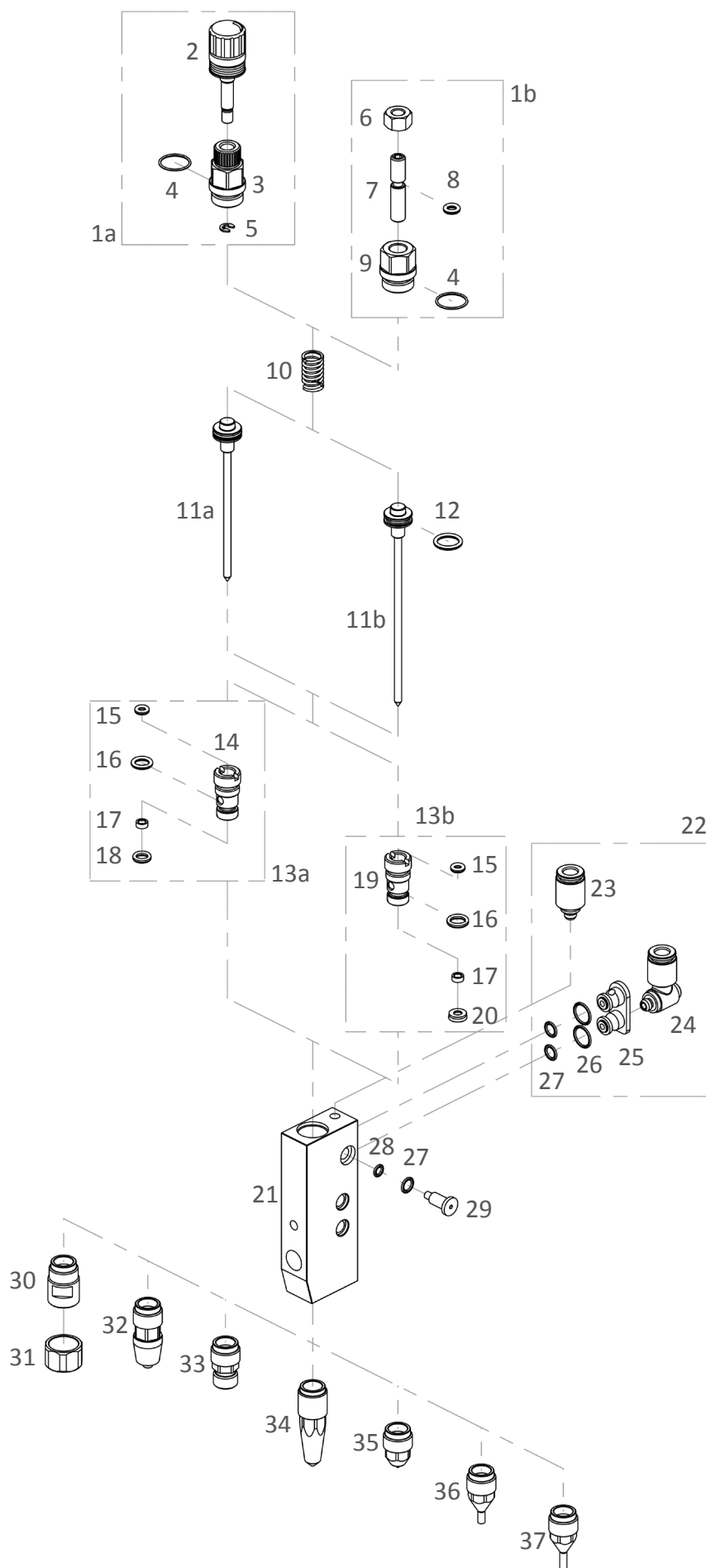
pos.	code	q.ty	description
1a	C32500007	1	Micrometric adjustment complete
1b	C32500002	1	Screw adjustment complete
2	C32500008	1	Micrometric adjustment knob
3	C32500009	1	Micrometric adjustment block
4	RNG100X10E	1	O-ring ¹⁻²
5	SGG200231	1	Adjustment circlip
6	NT0006010	1	Nut
7	C32500003	1	Screw
8	RNG000007E	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



pos.	code	q.ty	description
22	KCN004100	1	Pneumatic connection kit
23	RRAZ0252	1	Fitting straight
24	RRBF0252	1	Fitting 90°
25	KCN004101	1	Fitting kit
26	RNG070X15E	2	O-ring ¹⁻²
27	RNG050X10E	3	O-ring ¹⁻²
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	H85100180	1	Nozzle 1/8"
34	H853100XX	1	Nozzle LV
35	H855100XX	1	Nozzle KV
<i>Replace XX value with nozzle diameter desired Available nozzle diameters from 0,3 to 1,5 mm</i>			
36	H855101XX	1	Nozzle KL 7 mm
37	H855102XX	1	Nozzle KL 10 mm
<i>Replace XX value with nozzle diameter desired Available nozzle diameters from 0,5 to 1,5 mm</i>			
	KGN004100	1	Gasket kit ¹
	KGN004101	1	Viton gasket kit ¹
	KGN004102	1	Double seal gasket kit ²
	KGN004103	1	Viton double seal gasket kit ²



ELECTROPNEUMATIC VALVE MV1

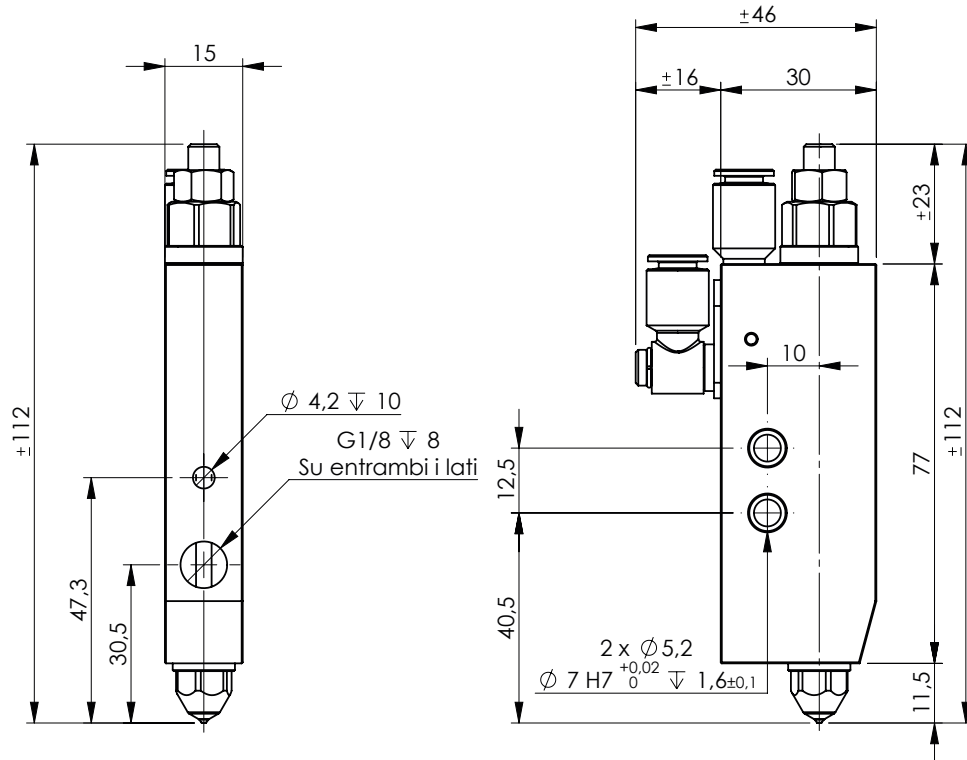


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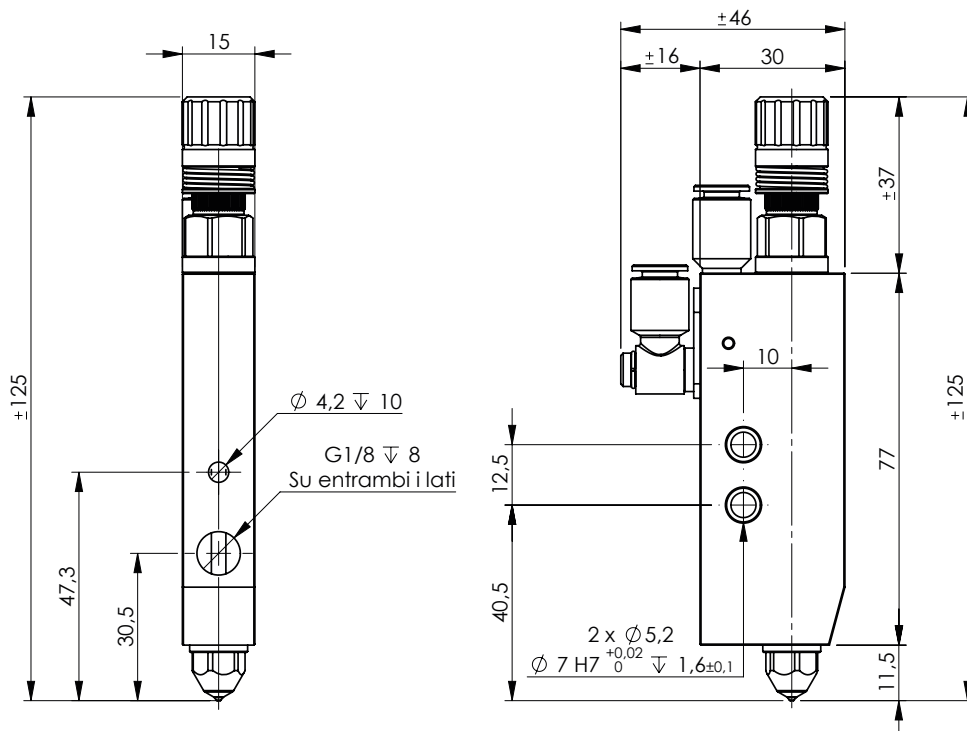


DIMENSIONS

MV02B00XX0

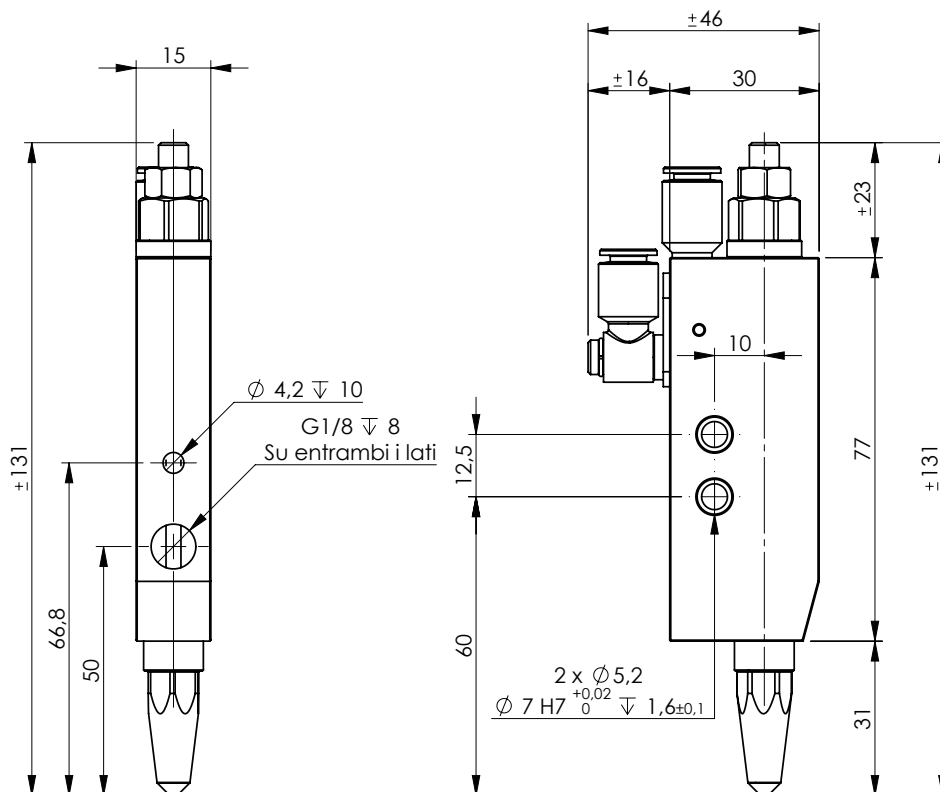


MV02C00XX0

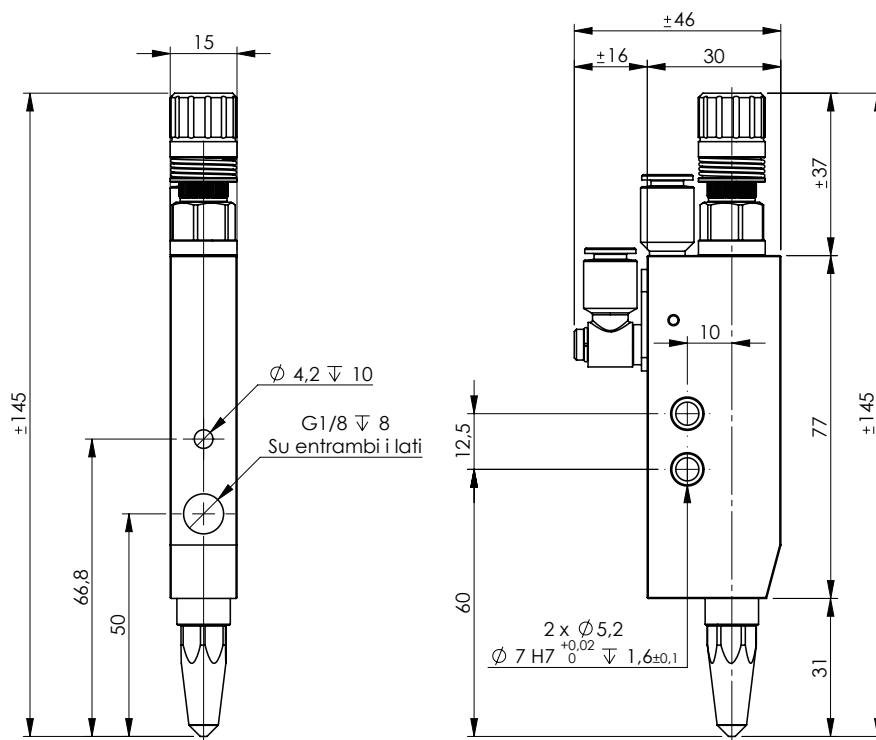




MV01B00XX0

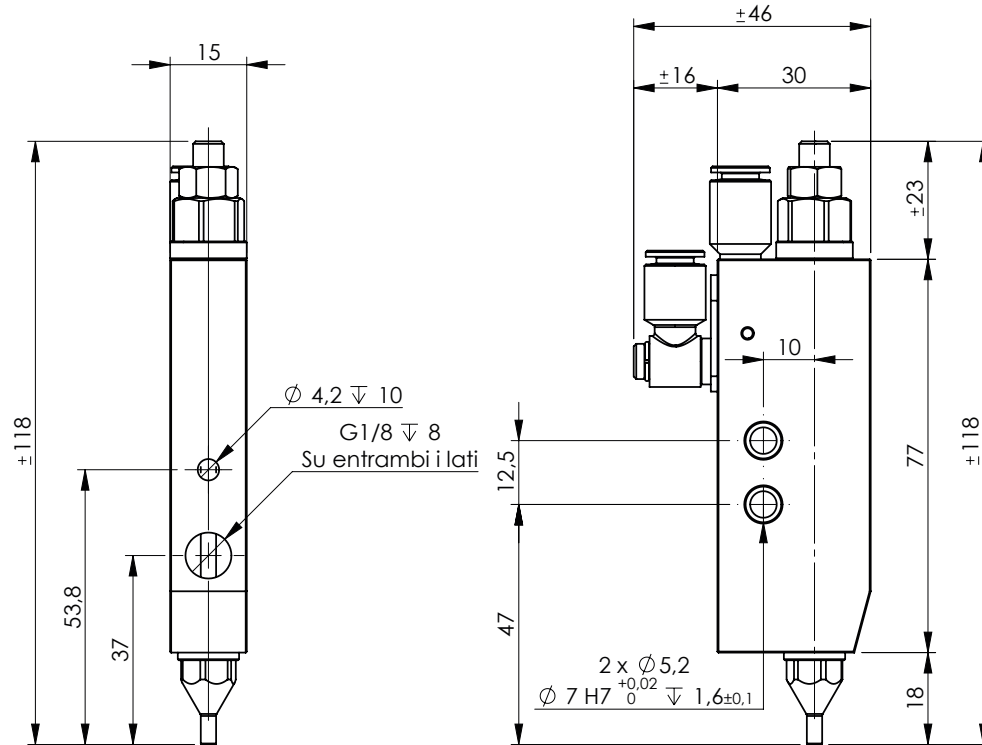


MV01C00XX0

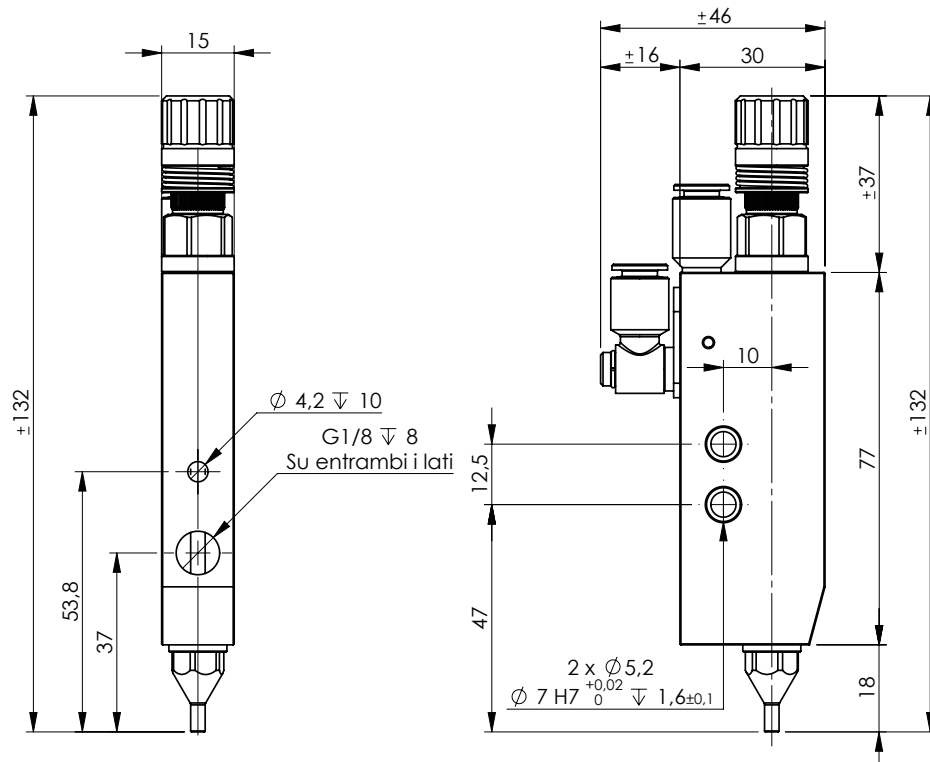




MV04B00XX0 7mm

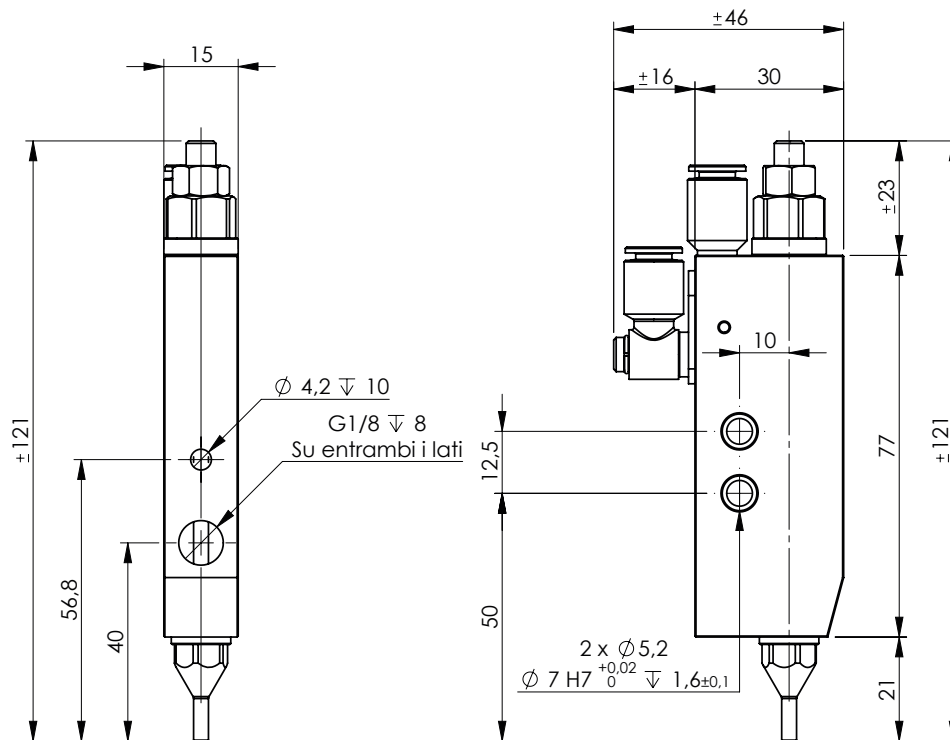


MV04C00XX0 7mm

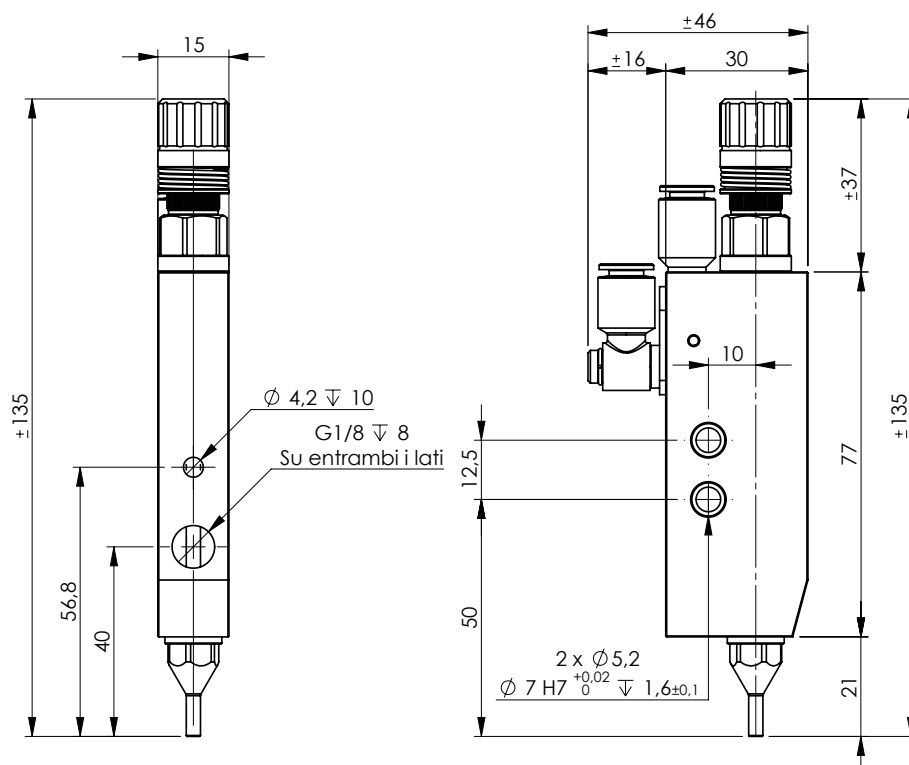




MV05B00XX0 10mm

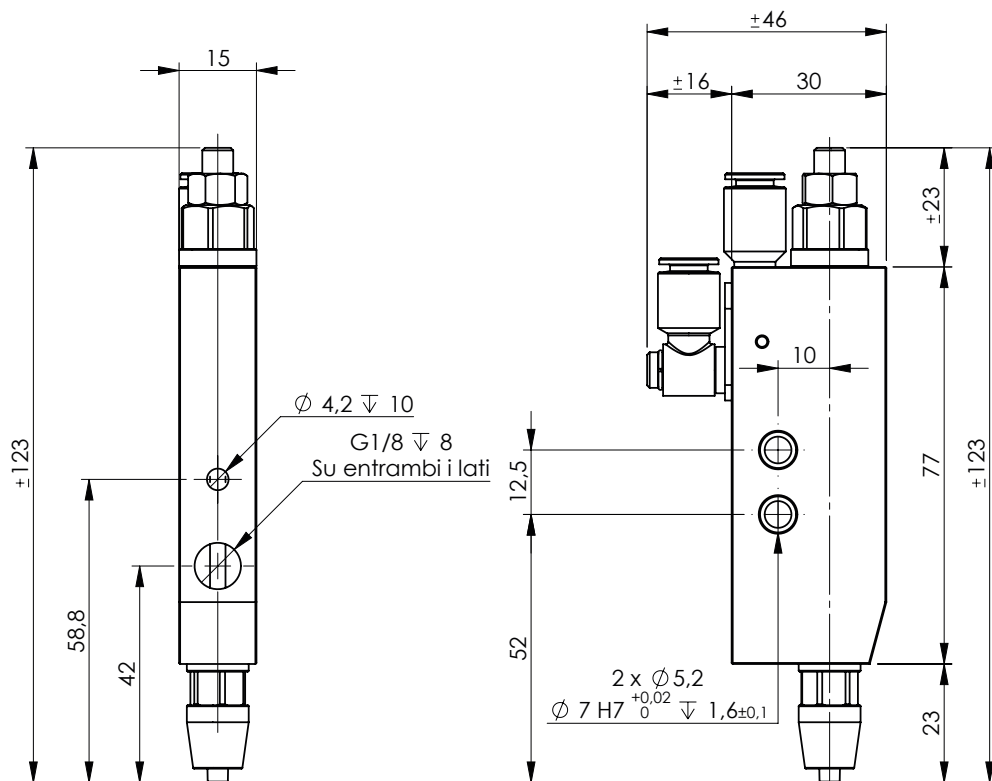


MV05C00XX0 10mm

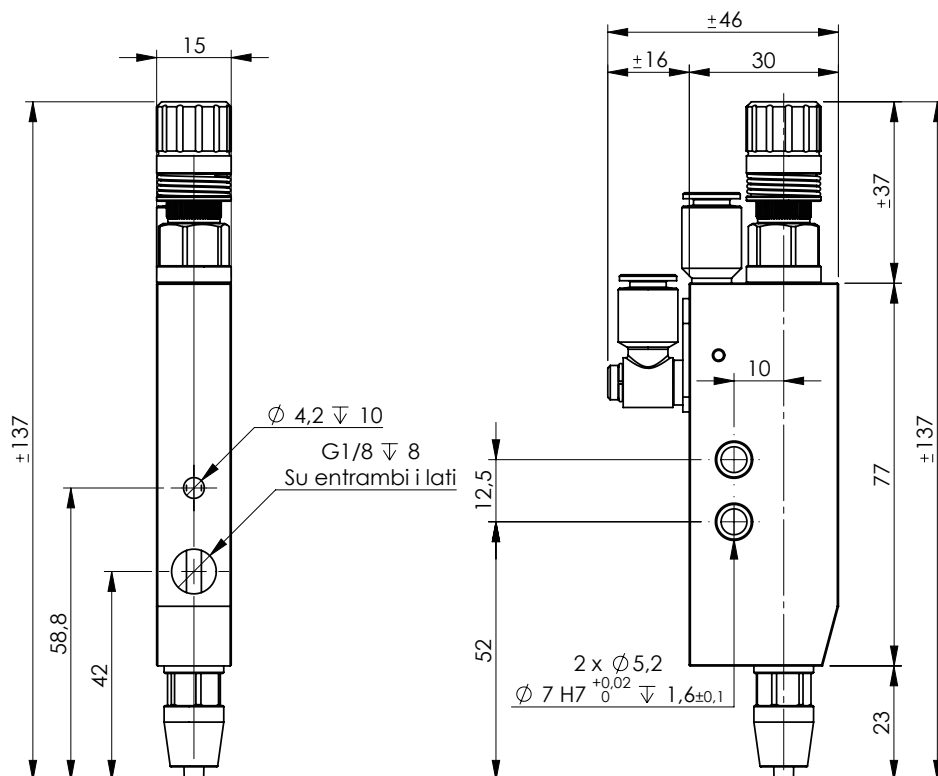




MV09B00150

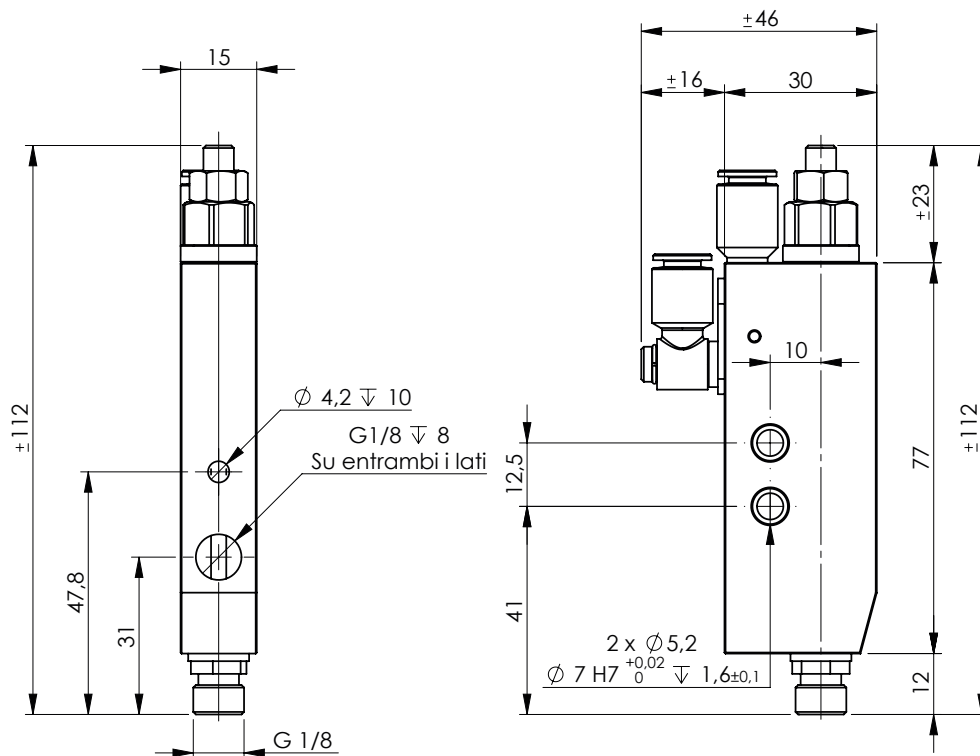


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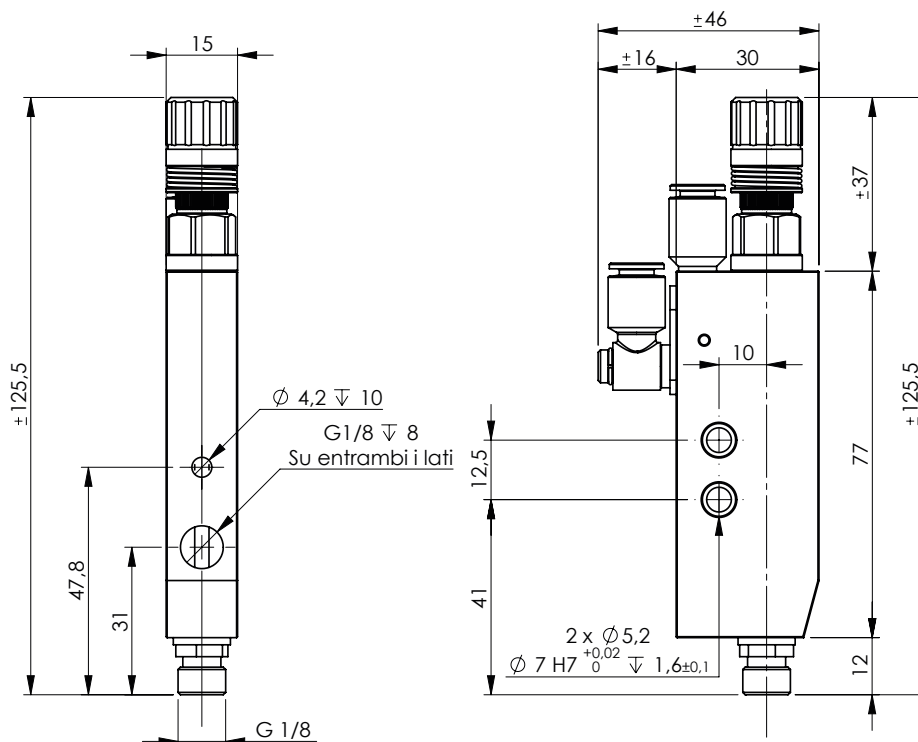




MV07B00200

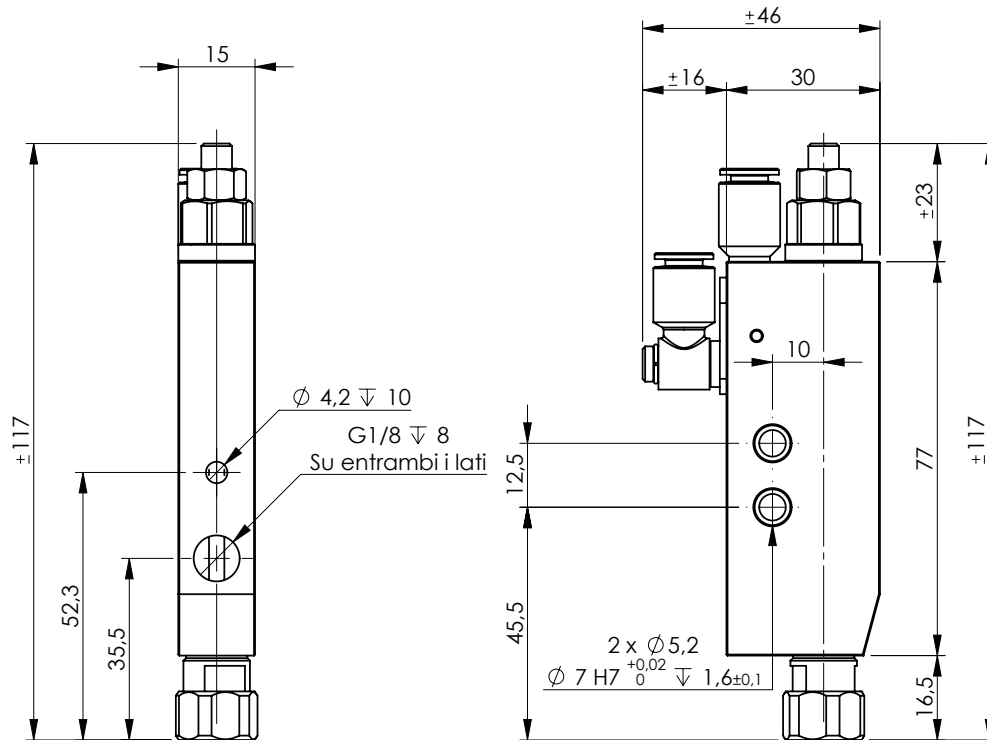


MV07C00200

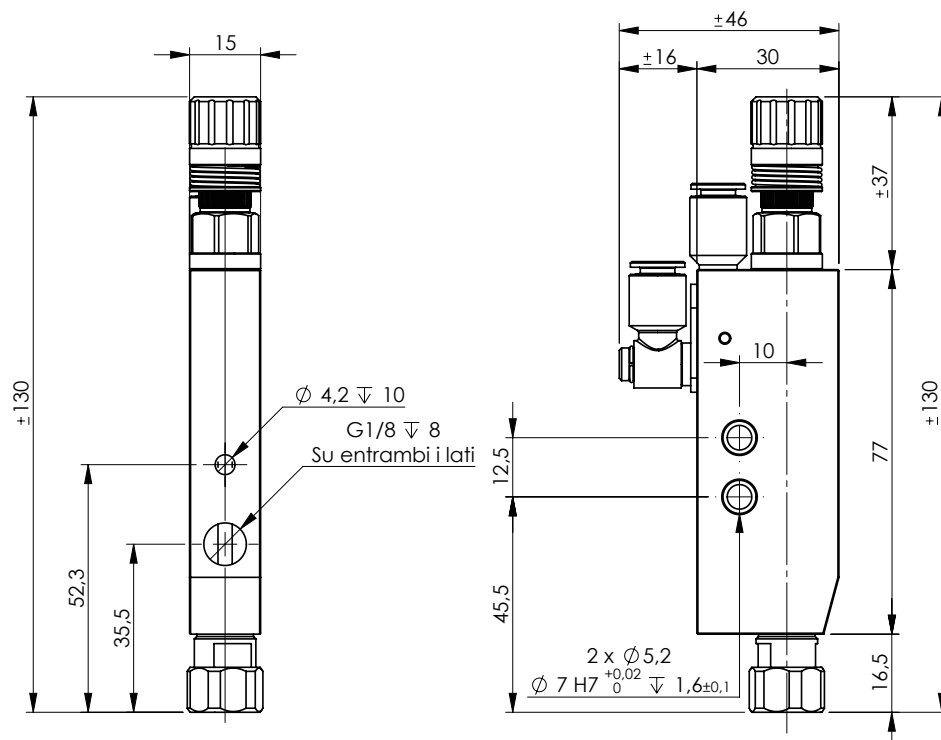




MV06B00200



MV06C00200



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The data and values expressed in the manual are approximate and variable depending on fluids, applications and methods of use.

Datasheet
MV1_v02

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