

MZV

electropneumatic valve



Zator
gluing solutions

DATASHEET





TECHNICAL DESCRIPTION

The electropneumatic extrusion valve MZV has been designed and realized for its use on various kind of production machines: its design and versatility make it ideal for any applications that require the use of extrusion valves.

It's a dispenser of low and medium viscosity glues, adhesives and fluids; is pneumatically controlled by one external solenoid valve.

The valve, with anti-stick coating, has a carbide needle and a wide selection of stainless steel nozzles, designed to meet the different needs of applications.

The micrometric adjustment allows a fine control of the glue quantity dispensed.

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

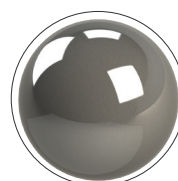
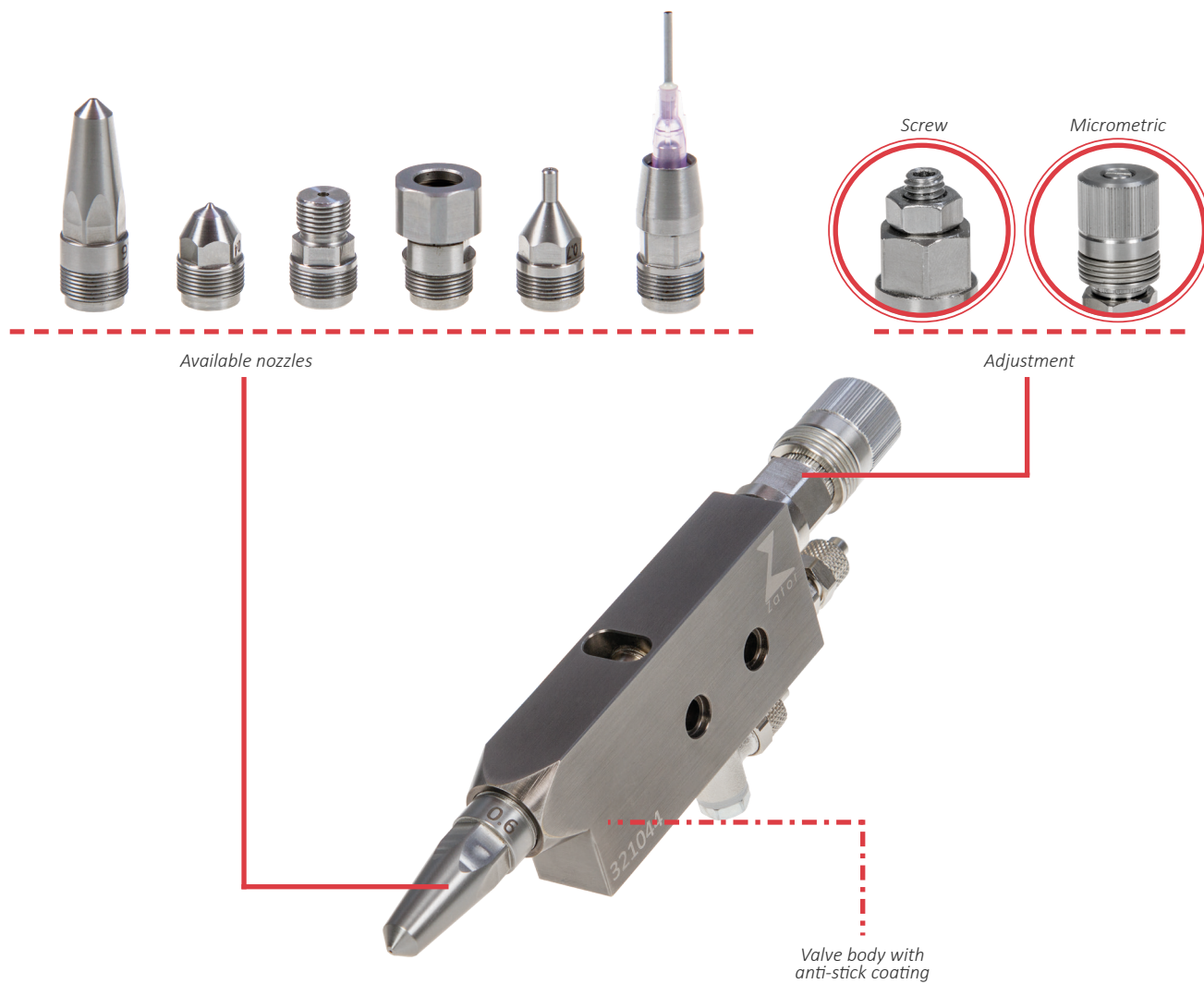
Available nozzle diameters	from 0,3 to 1,5 mm
Air pressure control	min. 5 bar
Drive type	simple or double action
Maximum working pressure	80 bar
Weight	270 g



Dots and lines



ELECTROPNEUMATIC VALVE MZV



FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST



MODELS

code	description	€
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C3311XX00	Extrusion valve MZV4XXXKVRN	
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



code	description	€
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C3321XX00	Extrusion valve MZV4XXXKVRM	
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



code	description	€
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C3312XX00	Extrusion valve MZV4XXLVNR	
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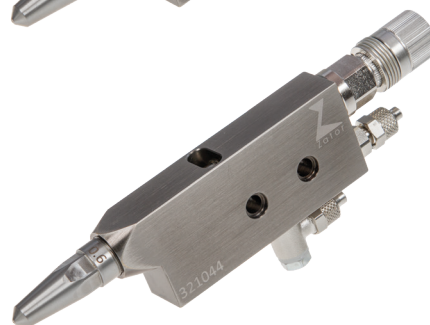
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



code	description	€
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C3322XX00	Extrusion valve MZV4XXLVRM	
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



code	description	€
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C3311XX01	Extrusion valve MZV4XXXKLNLR 7 mm	
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C3311XX02	Extrusion valve MZV4XXXKLNLR 10 mm	
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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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C3321XX01	Extrusion valve MZV4XXXKLRLM 7 mm	
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C3321XX02	Extrusion valve MZV4XXXKLRLM 10 mm	
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*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*





code	description	€
C33110005	Extrusion valve MZV400SYNR	

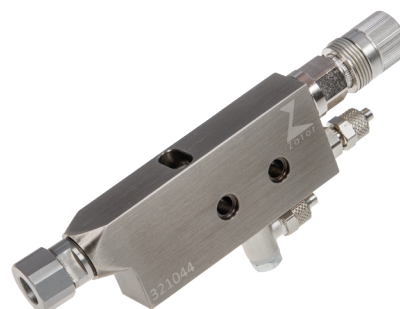
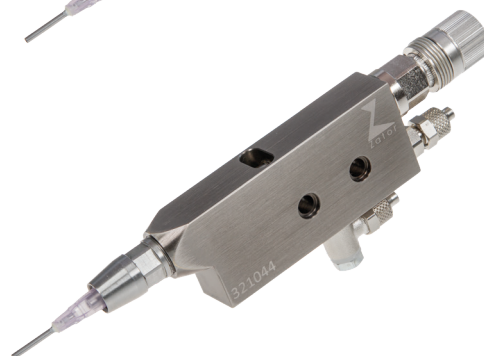
code	description	€
C33210005	Extrusion valve MZV400SYRM	

code	description	€
C33110018	Extrusion valve MZV40018NR	

code	description	€
C33210018	Extrusion valve MZV40018RM	

code	description	€
C33110006	Extrusion valve MZV400MGNR	

code	description	€
C33210006	Extrusion valve MZV400MGRM	



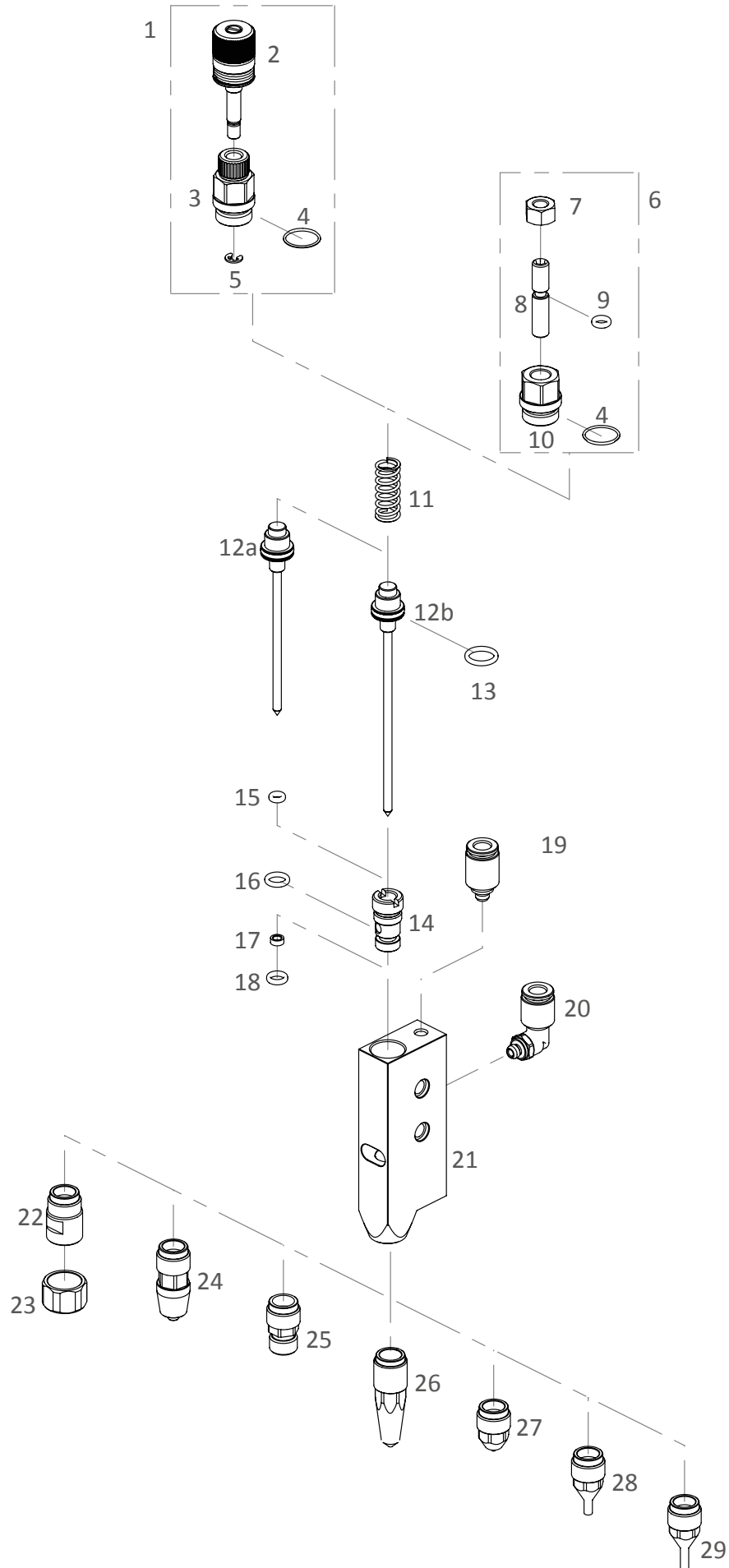


PARTS LIST

pos.	code	q.ty	description
1	C32500007	1	Micrometric adjustment complete
2	C32500008	1	Micrometric adjustment knob
3	C32500009	1	Micrometric adjustment block
4	RNG100X10E	1	O-ring ¹
5	SGG200321	1	Adjustment circlip
6	C32500002	1	Screw adjustment complete
7	NT0006010	1	Nut
8	C32500003	1	Screw
9	RNG000007E	1	O-ring ¹
10	C32500004	1	Screw adjustment block
11	CCS000400	1	Spring
12a	H84230103	1	Needle KV
12b	H84230203	1	Needle LV
13	RNG000011E	1	O-ring ¹
14	H83100104	1	Lock bush
15	RNG000006E	1	O-ring ¹
16	RNG000010E	1	O-ring ¹
17	SHS30790T	1	Gasket ¹
18	RNG000008E	1	O-ring ¹
19	RRAZ0252	1	Air fitting
20	RRBF0252	1	Air fitting 90°
21	BG000050C	1	Valve body
22	H85800101	1	Nozzle MG
23	H85800204	1	Nozzle MG nut
24	H85100150	1	Nozzle syrin
25	H85100180	1	Nozzle 1/8"
26	H853100XX	1	Nozzle LV
27	H855100XX	1	Nozzle KV
Replace XX value with nozzle diameter desired Available nozzle diameters from 0,3 to 1,5 mm			
28	H855101XX	1	Nozzle KL 7 mm
29	H855102XX	1	Nozzle KL 10 mm
Replace XX value with nozzle diameter desired Available nozzle diameters from 0,5 to 1,5 mm			
	KGN000401	1	Gasket kit ¹
	KGN000400	1	Gasket kit Viton ¹



ELECTROPNEUMATIC VALVE MZV

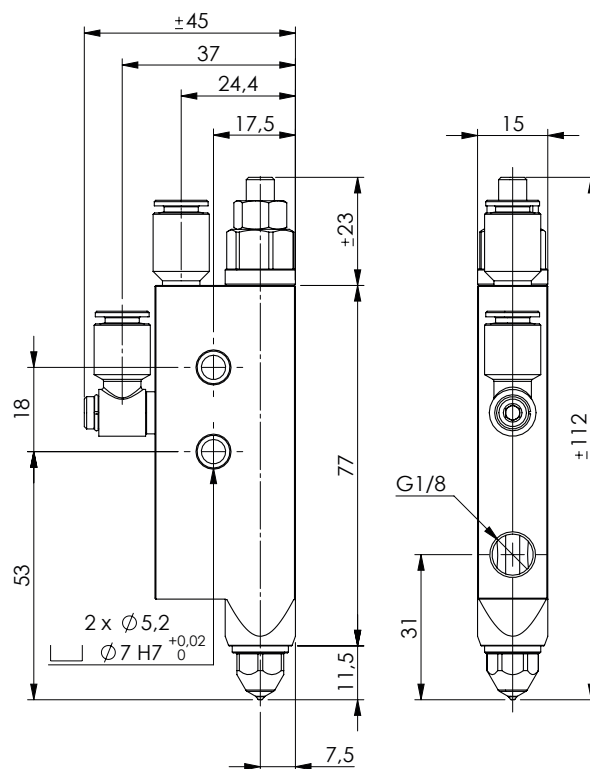


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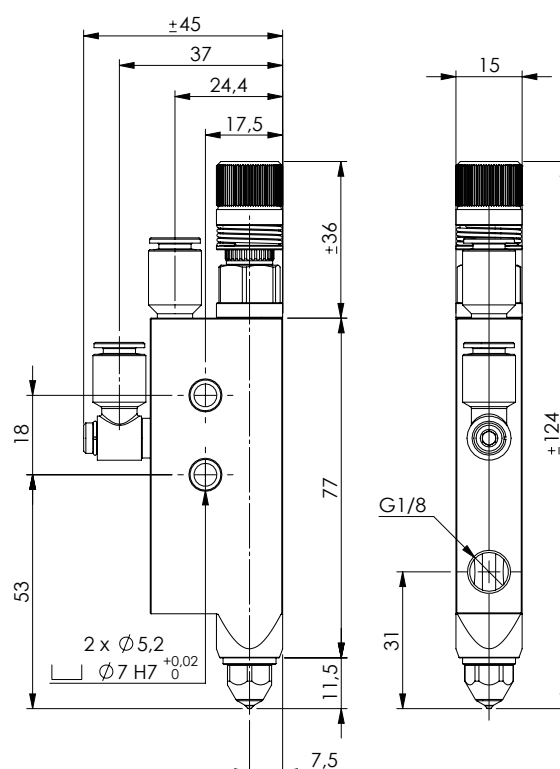


DIMENSIONS

MZV4XXKVNR

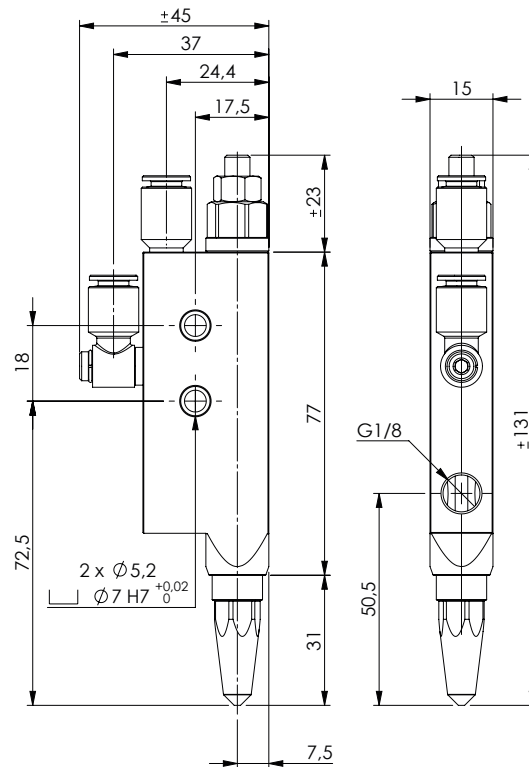


MZV4XXKVRM

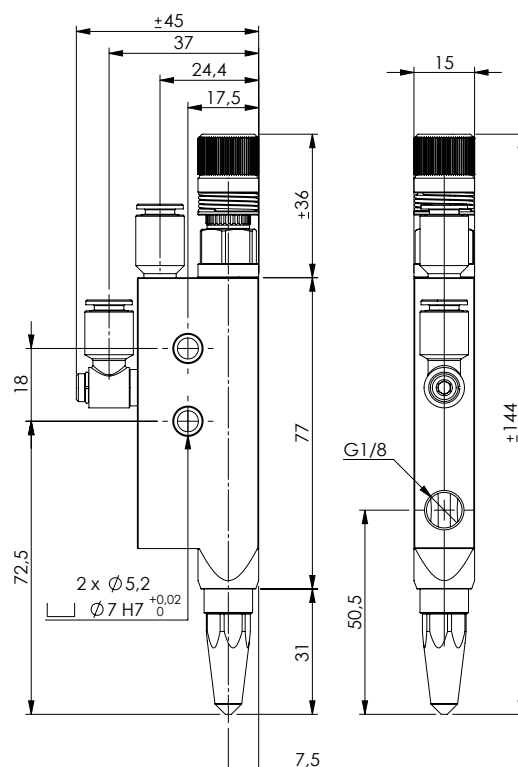




MZV4XXLVNR

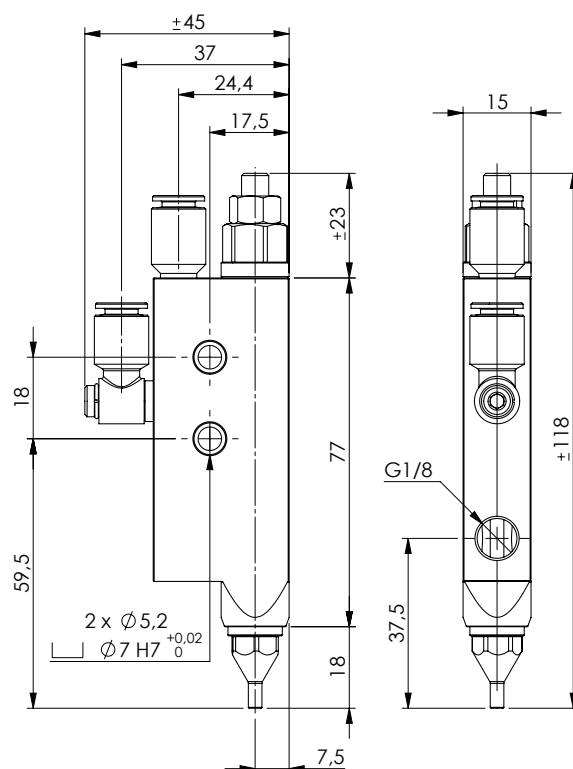


MZV4XXLVRM

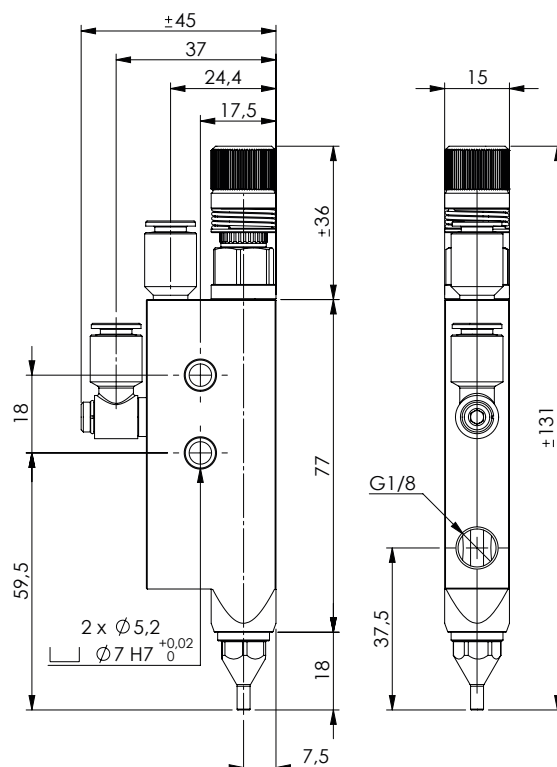




MZV4XXKLN 7mm



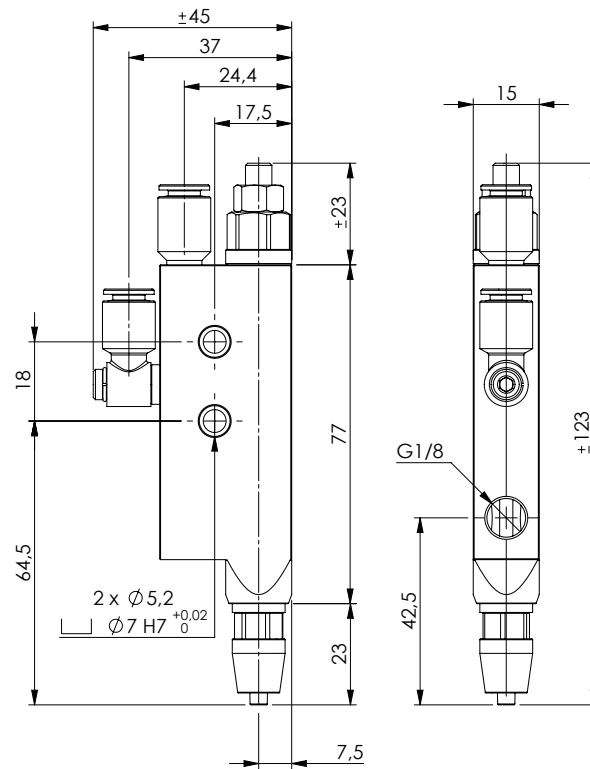
MZV4XXKLRM 7mm



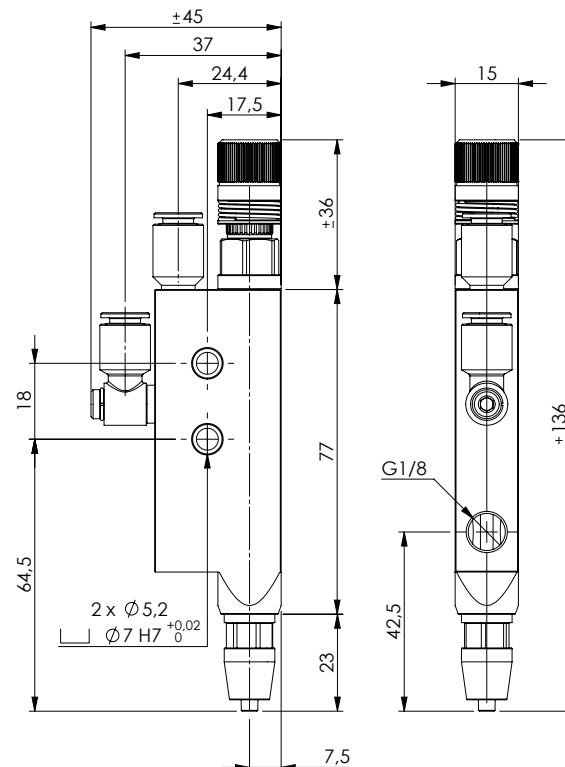
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Technical drawing of the G1/8" (1) showing two views: a side view and a front view. The side view includes dimensions: 62,5 (total length), 18 (distance from top to first fitting), 21 (distance from bottom to fitting), 77 (distance between fittings), 24,4 (distance from top to fitting), 17,5 (distance from fitting to top of main body), 37 (distance from top to fitting), and 45 (total length of main body). The front view includes dimensions: 15 (width), 40,5 (distance from bottom to fitting), and 134 (total length). The drawing also shows two holes with dimensions: 2 x Ø5,2 and Ø7 H7^{+0,02}₀. The G1/8" connection is indicated on the front view.

MZV4XXSYNR

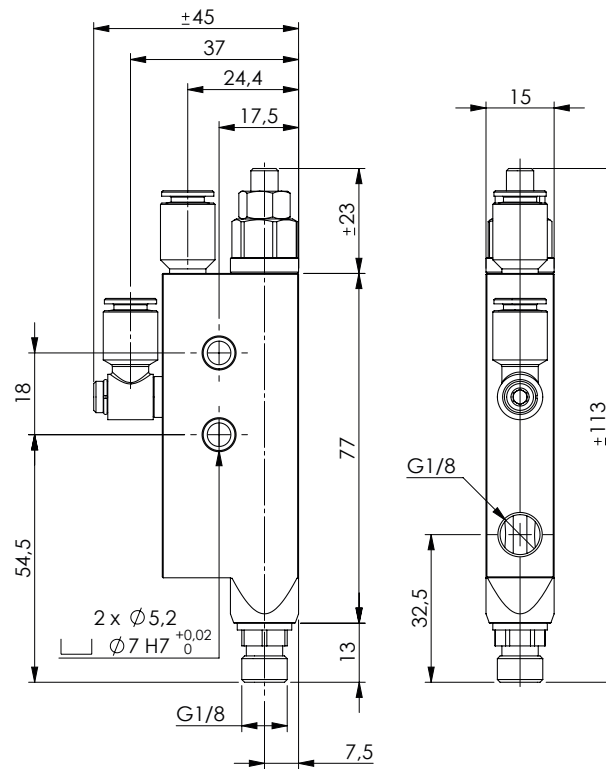


MZV4XXSYRM

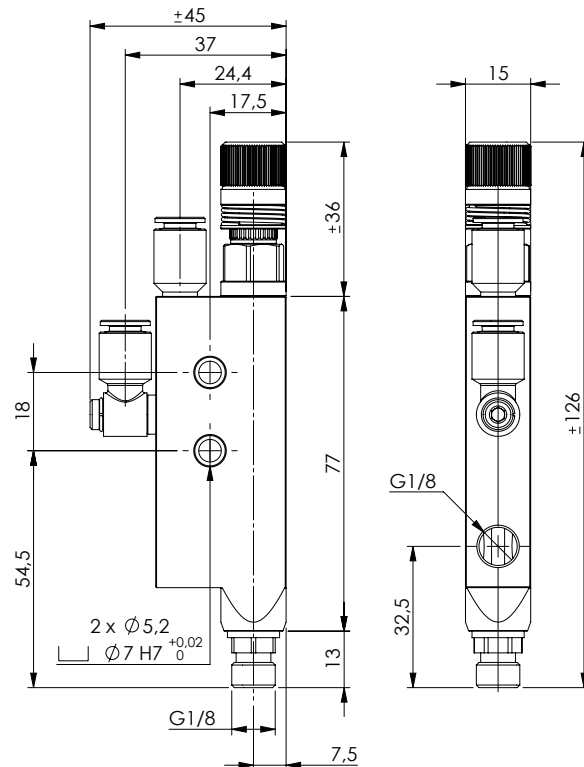




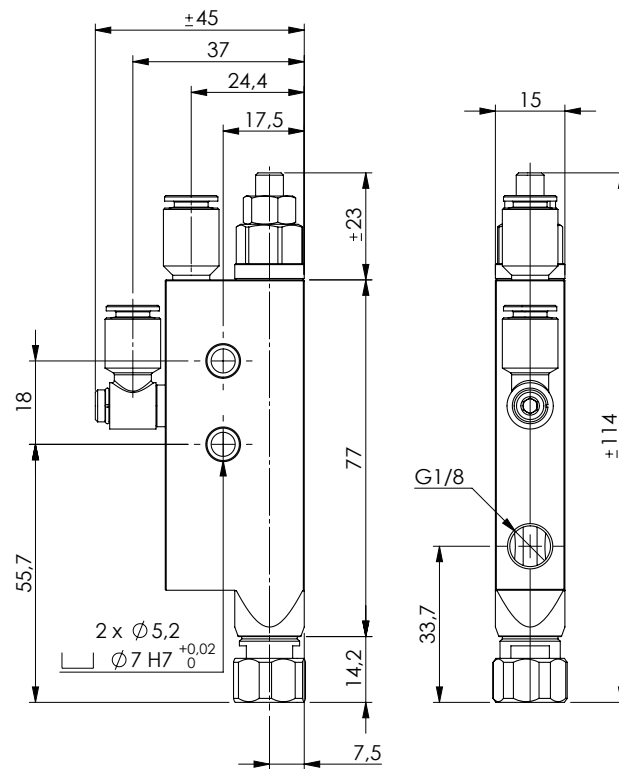
MZV40018NR



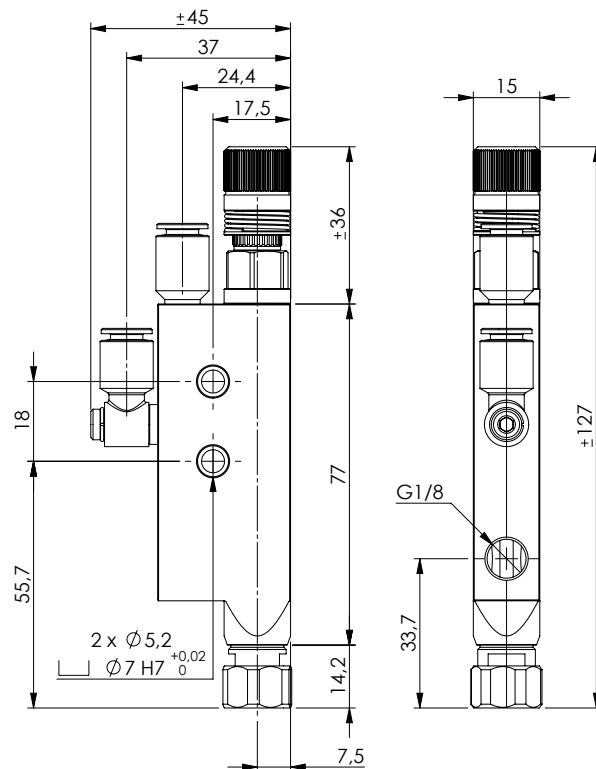
MZV40018RM



MZV400MGNR



MZV400MGRM



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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
MZV_v04

JUNE 2023

