

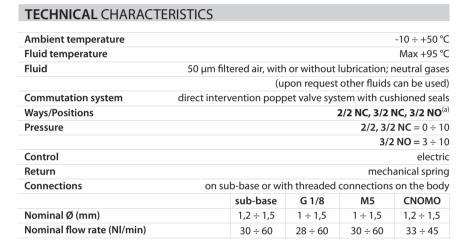
Miniature electropilots U1

Direct intervention electropilots with poppet valve system and cushioned bottom seals

- Assembly on sub-base, threaded connections on the body, CNOMO interface
- Orientable coil (360°) separated from mechanical part
- Versions: 2/2 3/2 NC NO
- Original Univer SPEED modular sub-bases

ATEX version available upon request





CONSTRUCTIVE CHARACTERISTICS

Materials see features below

ELECTRIC CHARACTERISTICS						
Series	U1	U3				
Coil	DA	DC				
Power consumption	3,5 W (DC) - 5 VA (AC)	2,5 W (DC) - 3,3 VA (AC)				
Connector	AM 5110	AM 5111				
Voltage	12 V DC - 24 V DC - 24 V	AC - 110 V AC - 230 V AC				
Protection degree		IP65				

For other electric features see section "Accessories>Coils"



For electropilots in compliance with CSA/UL certification see the related section "Omologated electropilots"

(a) = Mechanical part designed to keep the air supply always from the body (Useful in case of assembly of more NC-NO pilots in series to have a unique supply port)

Subject to change

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ELECTROPILOTS 3.1

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U1 Sleeves - with moving core

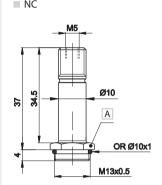


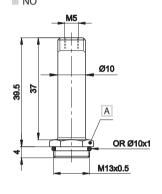
Material:	
sleeve	treated brass
cores and spring	stainless steel
seals	nitrile rubber

3/2 NO 3/2 NC 2/2 NC

Exhaust Ø	Pressure	Weight	Part no.
mm	bar	Kg	
1,2	3÷10	0,024	AA-0150
1,5	0÷10	0,022	AA-0157
-	0÷10	0,022	AA-0170

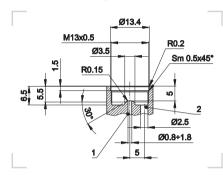
Upon request viton seals and stainless steel sleeves (only NC versions)





A Wrench 14

■ Detail of machining



- 1 = Supply port
- 2 = Use

Locking rings for coils on sleeves







Version	Suitable for sleeves	Material	Coil	Part no.
1 = radial exhausts	3/2 NO	technopolymer	U1	AM-5213A
2 = radial exhausts	3/2 NC	technopolymer	U1	AM-5211A
3 = open exhausts	2/2 NC	brass	U1	AM-5211B

In order to convey exhausts, use version 3

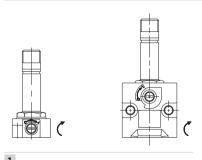


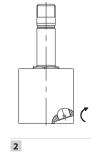


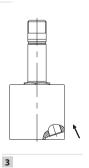


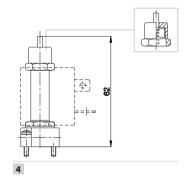
Standard manual overrides

Functionig	Suitable for sleeves	Symbol/Part no.	
1 = with 2 position screw	all NC U1 electropilots that can use manual override	Θ	
2 = with impulse 1-2 position screw	only CNOMO NC U1 electropilots	\ominus	
3 = with button with tool	only CNOMO NC U1 electropilots	\rightarrow	
4 = with button, 1 position	U1 3/2 NO electropilots	AM-5201 (a)	









(a) = montato sull'estremità del cannotto 3/2 NO

= with 2 position screw

 \rightarrow = with button with tool

3.1 ELECTROPILOTS

Subject to change



HENNLICH -ŽIJEME TECHNIKOU 3/2 NC

2/2 NC

3/2 NO (b)

3/2 NC

2/2 NC

3/2 NO (b)



Ø3.2x2

1 = Supply port

M3x6

66

1 = Supply port

2 = Use

20

Ø3.2x2

3 = Exhaust

2 = Use3 = Exhaust

U1 2/2 - 3/2 Electropilot for assembling on sub-base



Material:	
valve body	technopolymer
sleeve	treated brass
core and spring	stainless steel
seals	nitrile rubber

56 (3/2 NO) 54 (3/2 NC)

72.5 65 (NO) 63 (NC)

A Manual override

Symbol	Ø (d)	Flow rat	Flow rate (NI/min)		Resp. Time (ms) Ma		Weight	Part no.
	mm	1→2	2 →3	En.	De-en.	override	Kg	
, , , , , , , , , , , , , , , , , , ,	1,5	60	80	12	12	Θ	0,027	AA-0184
2 1 W	1,3	50	-	16	-	Θ	0,027	AA-0186
7 7 T WW	1,2	30	70	11	10	(c)	0,030	AA-0188

Use SPEED subbase to build Manifolds, see following pages. Available upon request: brass valve body (without manual override), zamak valve body, stainless steel sleeve, other inner diameters.

U1 2/2 - 3/2 G1/8 Electropilot



Material:	
valve body	brass
sleeve	treated brass
core and spring	stainless steel
seals	nitrile rubber

Symbol	Ø (d)	Flow ra	Flow rate (NI/min)		ime (ms)	Manual	Weight	Part no.
	mm	1 → 2	2 →3	En.	De-en.	override	Kg	
7 T NW	1,5	60	85	12	12	-	0,105	AA-0211
**************************************	1,3	60	-	16	-	-	0,105	AA-0219
Z P T T W	1,2	28	75	11	9	(c)	0,105	AA-0213

Electropilot to be used alone. Brass body suitable for intercepting non-aggressive luiquids. No manual override. Available upon request: stainless steel sleeve - other inner diameters.

U1 2/2 - 3/2 M5 Electropilot



Ø (d)

	stainless steel	nd spring	core a		
	nitrile rubber		seals		
	Part no.	Weight	Manual	me (ms)	Resp. Ti
		Kg	override	De-en.	En.
1	AA-0231	0,065	-	12	12

Material: valve body

sleeve

	mm	1 → 2	2 →3	En.	De-en.	override	Kg	
7 T W	1,5	60	80	12	12	-	0,065	AA-0231
2 1 1					-	-	0,065	AA-0239
7 7 T W	1,2	30	70	11	10	(c)	0,065	AA-0233

Brass body suitable for intercepting non-aggressive luiquids. No manual override. Available upon request: stainless steel sleeve - other inner diameters.

Flow rate (NI/min) F

(b) = close the exhaust of the 3/2 NO electropilot to get the 2/2 NO one (d) = the \emptyset shown on the 3/2 valves refers to the exhhaust

Electropilots are supplied without coil and connector

(c) = manual override on AM-5201 ring nut

3 = Exhaust

1 = Supply port 2 = Use

brass treated brass

> 60.7 (NO) 58.5 (NC)

> > = with 2 position screw

Subject to change

3/2 NC

2/2 NC

3/2 NO (b)





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HENNLICH-ŽIJEME TECHNIKOU

Symbol

3/2 NC

2/2 NC

3/2 NO (b)



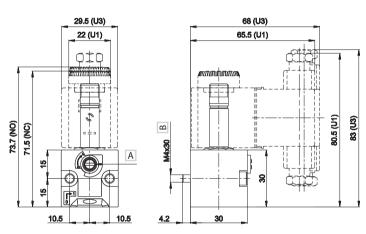
U1 CNOMO 2/2 - 3/2 Electropilot for mounting on sub-bases SPEED U2



technopolyme
treated brass
stainless stee
nitrile rubbe

Symbol	Ø (d)	Flow rate	e (NI/min)	Resp. I	ıme (ms)	Manual	Weight	Part no.
	mm	1 → 2	2 →3	En.	De-en.	override	Kg	
# 2 W	1,5 1,5	45 45	77 77	12 12	12 12	\ominus	0,052 0,052	AA-0400 AA-0400U
2 1 1 W	1,3	42	-	18	-	Θ	0,052	AA-0402
7 7 T T W	1,2	33	77	11	10	(c)	0,060	AA-0404

Available upon request: zamak valve body, stainless steel sleeve, other inner diameters.



■ U1

■ U2

G1/8

A ISO 4762

_13.5

8.5

A Manual override

B ISO 4762

1 = Supply port

2 = Use

OR 2043

OR 2043

16.5

G1/8

M4x10 A

G1/8

3 = Exhaust

Modular sub-base "SPEED" series U1/U2 G1/8





Electropilot	Connections	Material	Weight	Part no.
			Kg	
U1 sub-base	G 1/8	zamak	0,037	AA-0450
CNOMO sub-base	G 1/8	zamak	0,075	AB-0900

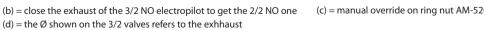
The original UNIVER "Speed" series was designed to solve some operational problems

- Possibility of defining the number of sub-bases at the moment of use
 Possibility of freely increasing or reducing the number of elements
 Quick assembly with special screw (built-in) standard supplied

- Reduction of stock holding
- Easy technical intervention

Air supply is rotated by 90° in comparison with side consumption Standard (built-in) screw and O-Ring

When assembling the manifold, put the bases on a flat surface and tighten the screw until the manifold is perfectly aligned.



Electropilots are supplied without coil and connector

(c) = manual override on ring nut AM-5201

= with 2 position screw

M4x14 A

→ = with button with tool

3.1 ELECTROPILOTS

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HENNLICH-ŽIJEME TECHNIKOU

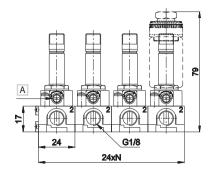
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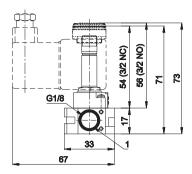
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U1 G1/8 sub-base







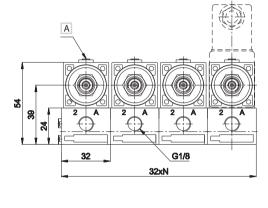
A Manual override

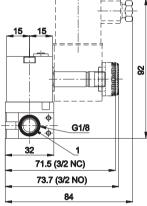
1 = Supply port 2 = Use

N = Number of valve positions

U1 G1/8 CNOMO sub-base







A Manual override

1 = Supply port 2 - A = Use

N = Number of valve positions

Subject to change

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