LINE **100 M5-ø4** | MECHANICAL VALVES

GENERAL FEATURES

Construction	poppet type
Body size	15mm
Body material	technopolymer
Single use	YES
Combined use	NO
Available functions	Single use 2/2; 3/2
	Combined use 5/3 CA; 5/3 CP

GENERAL TECHNICAL DATA

Fluid	filtered air with or without lubrication
Connections	M5; AU4
Working Pressure	2 - 10 bar
Temperature Range	-5 / +50°C (23 / 122°F) Please note: Below 3°C the air of the circuit must be free from humidity
Reference Flow Rate	P1= 6 bar; △ P= 1 bar; 75 l/min

GUIDE TO REFERENCES

MV AU4 15 3 PU ML NC P

Product
- **MV** = Microvalve

Connection
- **AU4** = Ø4 mm Push-in fittings
- **M5** = M5
- **AL4** = Ø4 mm push-in fittings (side ports) Double acting
- **ML5** = Side ports

Size
- **15** = 15 mm

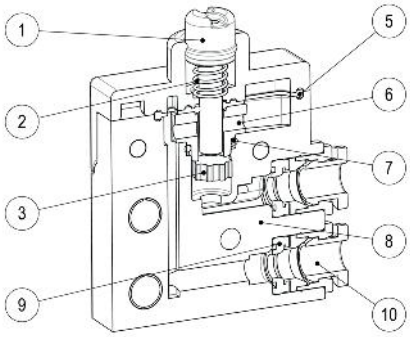
Function
- **2** = 2/2
- **3** = 3/2

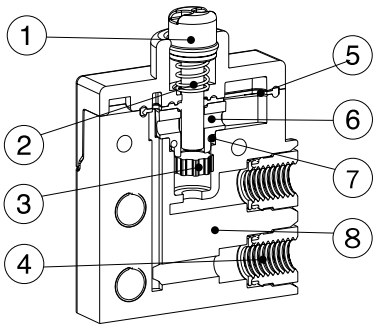
Material
- **P** = Technopolymer

Option
- **NC** = Normally closed
- **NO** = Normally opened

Return
- **ML** = Spring

Operation
- **PU** = Pushrod
- **PP** = through-wall pushrod
- **RL** = Roller lever
- **RU** = Undirectional roller lever



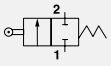
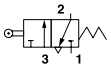
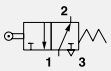


USED MATERIALS

1. **Pushrod** - POM
2. **Pushrod Spring** - **Stainless**-
3. **Gasket** - NBR
4. **Insert** - Brass
5. **Gasket** - NBR
6. **Nozzle** - POM
7. **O-Ring** - NBR
8. **Body** - POM
9. **Seal** - NBR
10. **Spintore CAS** - POM

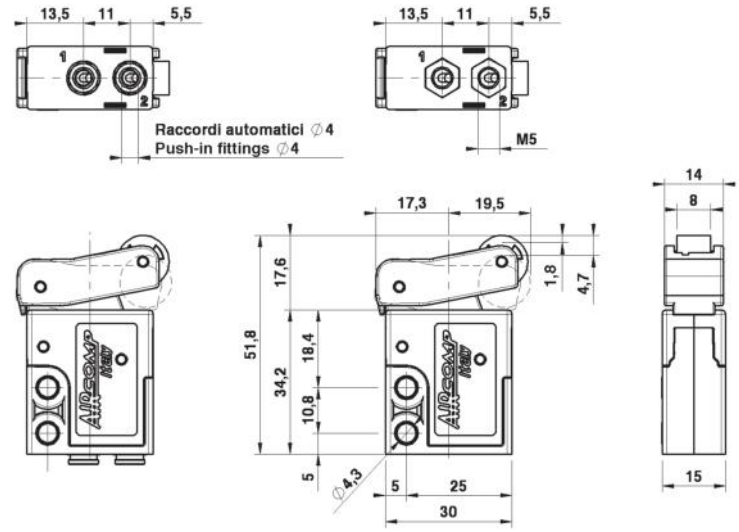
LINE **100 M5-ø4** | MECHANICAL VALVES

ROLLER LEVER MICROVALVES

	CODE	REFERENCES
	1000412002 1000492002	MV M5 15 2 RL ML NC P MV AU4 15 2 RL ML NC P
	1000413003 1000493003	MV M5 15 3 RL ML NC P MV AU4 15 3 RL ML NC P
	1000413004 1000493004	MV M5 15 3 RL ML NO P MV AU4 15 3 RL ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 6 N
Weight 0,027 kg



AU4 VERSION M5 VERSION

ROLLER LEVER MICROVALVES WITH SIDE PORTS

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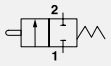
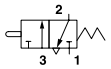
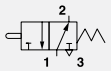
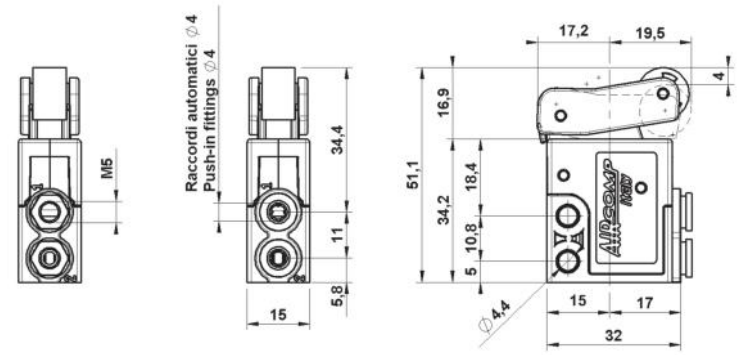
	1000412102 1000492102	MV ML5 15 2 RL ML NC P MV AL4 15 2 RL ML NC P
	1000413103 1000493103	MV ML5 15 3 RL ML NC P MV AL4 15 3 RL ML NC P
	1000413104 1000493104	MV ML5 15 3 RL ML NO P MV AL4 15 3 RL ML NO P

TECHNICAL DATA

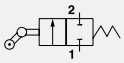
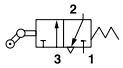
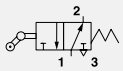
Thrust force (a 6 Bar) 6 N
Weight 0,027 kg



AU4 VERSION M5 VERSION

LINE **100 M5-ø4** | MECHANICAL VALVES

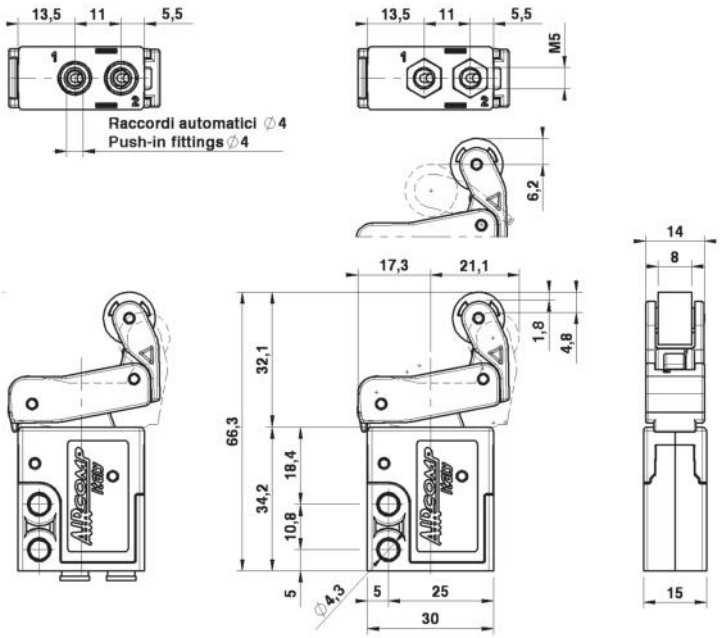
UNIDIRECTIONAL ROLLER LEVER MICROVALVES

	CODE	REFERENCES
	1000412003 1000492003	MV M5 15 2 RU ML NC P MV AU4 15 2 RU ML NC P
	1000413005 1000493005	MV M5 15 3 RU ML NC P MV AU4 15 3 RU ML NC P
	1000413006 1000493006	MV M5 15 3 RU ML NO P MV AU4 15 3 RU ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 6 N

Weight 0,031 kg



AU4 VERSION M5 VERSION

UNIDIRECTIONAL ROLLER LEVER MICROVALVES WITH SIDE PORTS

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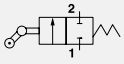
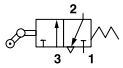
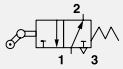
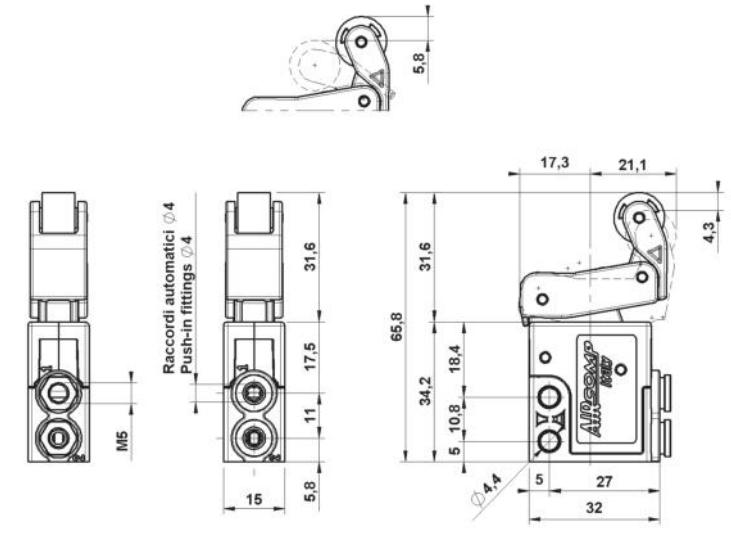
	1000412103 1000492103	MV ML5 15 2 RU ML NC P MV AL4 15 2 RU ML NC P
	1000413105 1000493105	MV ML5 15 3 RU ML NC P MV AL4 15 3 RU ML NC P
	1000413106 1000493106	MV ML5 15 3 RU ML NO P MV AL4 15 3 RU ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 6 N

Weight 0,031 kg



AU4 VERSION M5 VERSION

LINE **100 M5-ø4** | MECHANICAL VALVES

THROUGH-WALL PUSHROD MICROVALVES

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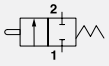
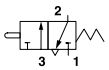
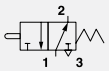
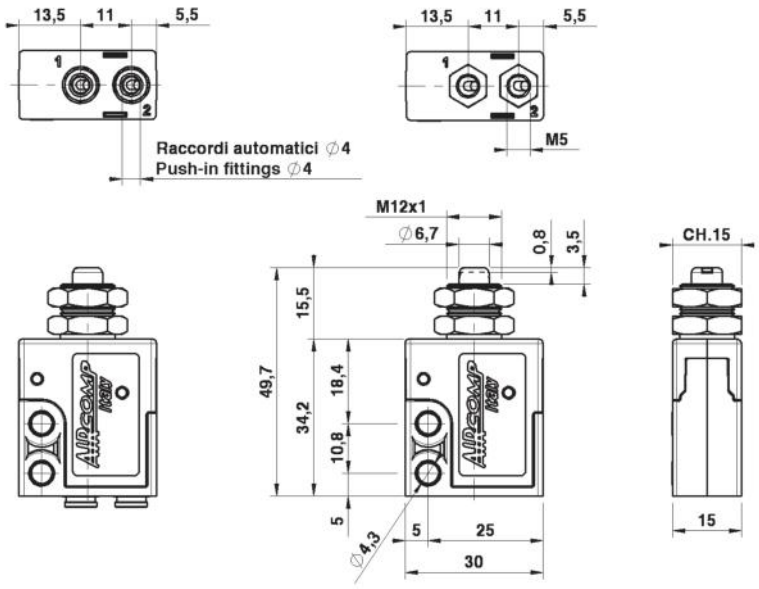
	1000412004 1000492004	MV M5 15 2 PP ML NC P MV AU4 15 2 PP ML NC P
	1000413007 1000493007	MV M5 15 3 PP ML NC P MV AU4 15 3 PP ML NC P
	1000413008 1000493008	MV M5 15 3 PP ML NO P MV AU4 15 3 PP ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 8 N
Weight 0,029 kg



AU4 VERSION

M5 VERSION

THROUGH-WALL PUSHROD MICROVALVES WITH SIDE PORTS

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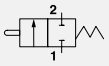
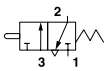
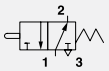
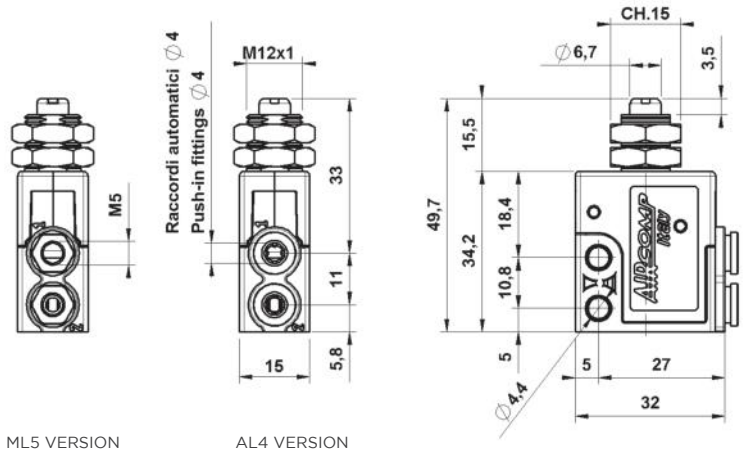
	1000412104 1000492104	MV ML5 15 2 PP ML NC P MV AL4 15 2 PP ML NC P
	1000413107 1000493107	MV ML5 15 3 PP ML NC P MV AL4 15 3 PP ML NC P
	1000413108 1000493108	MV ML5 15 3 PP ML NO P MV AL4 15 3 PP ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 8 N
Weight 0,029 kg

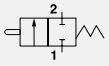
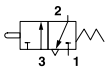
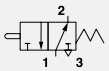


ML5 VERSION

AL4 VERSION

LINE **100 M5-ø4** | MECHANICAL VALVES

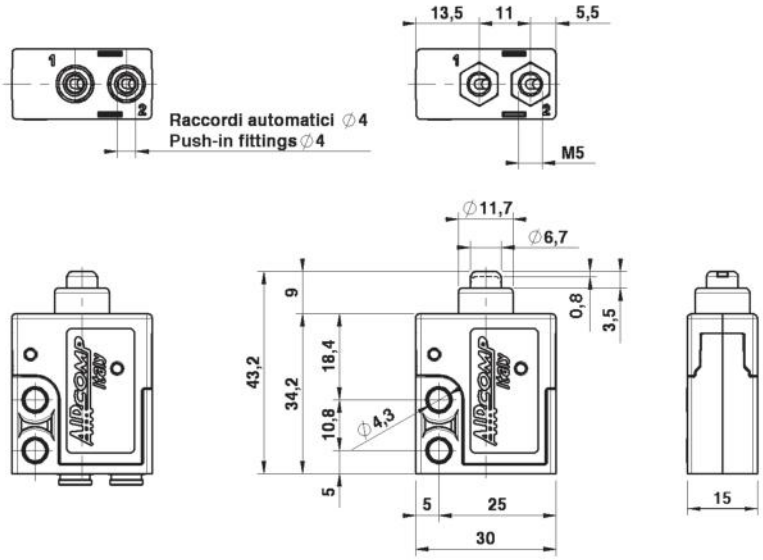
PUSHROD MICROVALVES

	CODE	REFERENCES
	1000412001 1000492001	MV M5 15 2 PU ML NC P MV AU4 15 2 PU ML NC P
	1000413001 1000493001	MV M5 15 3 PU ML NC P MV AU4 15 3 PU ML NC P
	1000413002 1000493002	MV M5 15 3 PU ML NO P MV AU4 15 3 PU ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 8 N

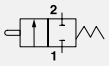
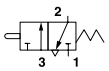
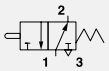
Weight 0,024 kg



AU4 VERSION

M5 VERSION

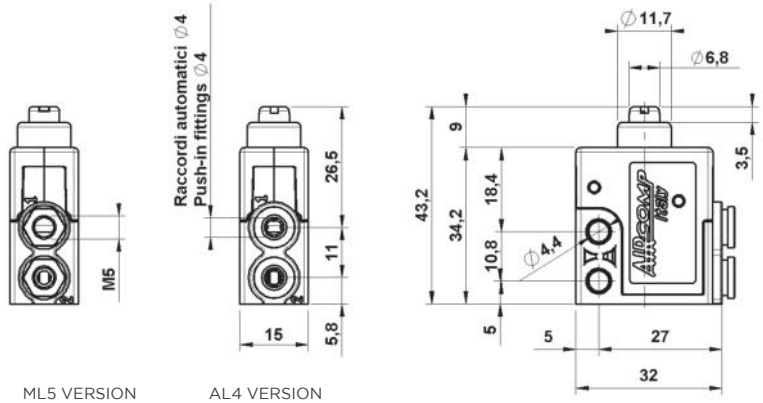
PUSHROD MICROVALVES WITH SIDE PORTS

	CODE	REFERENCES
	1000412101 1000492101	MV ML5 15 2 PU ML NC P MV AL4 15 2 PU ML NC P
	1000413101 1000493101	MV ML5 15 3 PU ML NC P MV AL4 15 3 PU ML NC P
	1000413102 1000493102	MV ML5 15 3 PU ML NO P MV AL4 15 3 PU ML NO P

TECHNICAL DATA

Thrust force (a 6 Bar) 8 N

Weight 0,024 kg



ML5 VERSION

AL4 VERSION