LINE **120 ME** | MECHANICAL VALVES

GENERAL FEATURES

Construction	spool valve
Body size	22mm
Body material	technopolymer
Single use	YES
Manifold use	NO
Available functions	3/2; 5/2; 5/3

GENERAL TECHNICAL DATA

Fluid	filtered air with or without lubrication
Connections	1/8"
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; 5/2= 670 (l/min), 5/3= 550 (l/min), 3/2= 690 l/min

GUIDE TO REFERENCES

ME **1/8"** **22** **3** **PU** **ML** **NC** **P**

Product
ME = Mechanical valves

Connection
1/8" = G1/8"

Size
22 = 22 mm

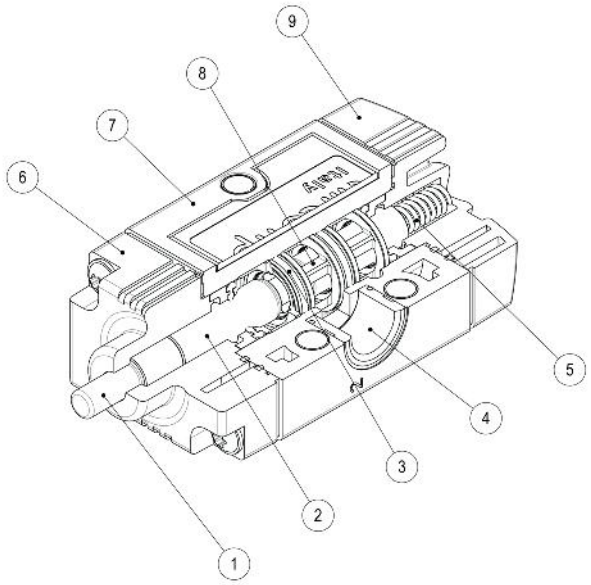
Function
3 = 3/2
5 = 5/2
6 = 5/3

Operation
PU = Pushrod
PP = through-wall pushrod
RL = Roller lever
RU = Undirectional roller lever
PS = Sensible pushrod
PO = Sensible through-wall pushrod
RS = Sensible roller lever
RO = Sensible unidirectional roller lever
AN = Whisker
RLC = Roller lever whit ball bearing
RUC = Unidirectional roller lever whit ball bearing

Return
ML = Spring
BS = Bistable
ST = Stable on 3 position
RC = Return to centre
MP = Pneumatic spring

Option
NC = Normally closed
NO = Normally opened
CC = Closed centres
CA = Opened centres
CA = Pressure centre
00 = 5/2

Material
P = Technopolymer



USED MATERIALS

1. **Pushrod** - Steel
2. **Spool** - Nickel Plated Aluminium
3. **Seals** - NBR
4. **Insert** - Brass
5. **Spring** - Stainless steel
6. **Operator body** - POM
7. **Body valve** - POM
8. **Spacers** - Brass
9. **Base command** - PA+FV

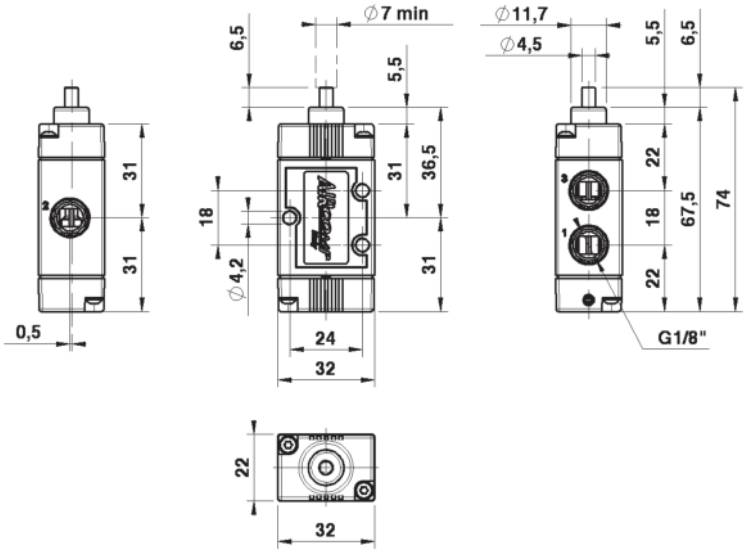
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 PUSHROD VALVES

	CODE	REFERENCES
	1202423001	ME 1/8" 22 3 PU ML NC P
	1202423002	ME 1/8" 22 3 PU ML NO P

TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 39 N
Weight 0,060 kg

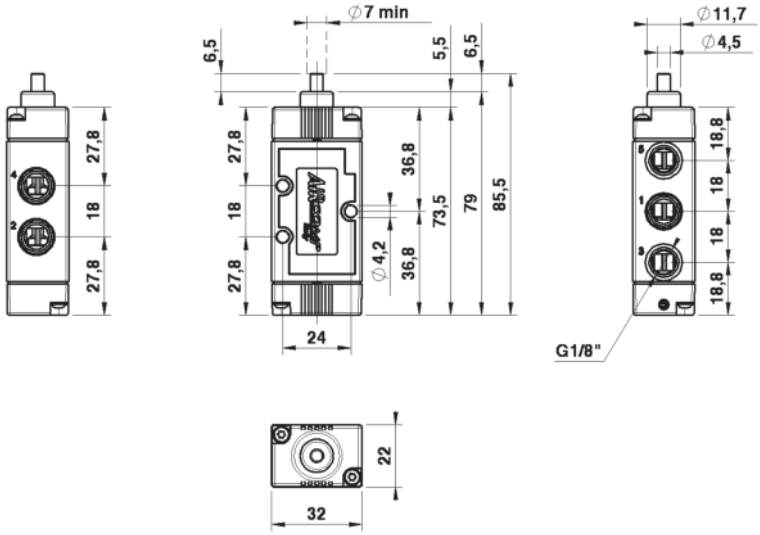


5/2 PUSHROD VALVES

	CODE	REFERENCES
	1202425001	ME 1/8" 22 5 PU ML OO P

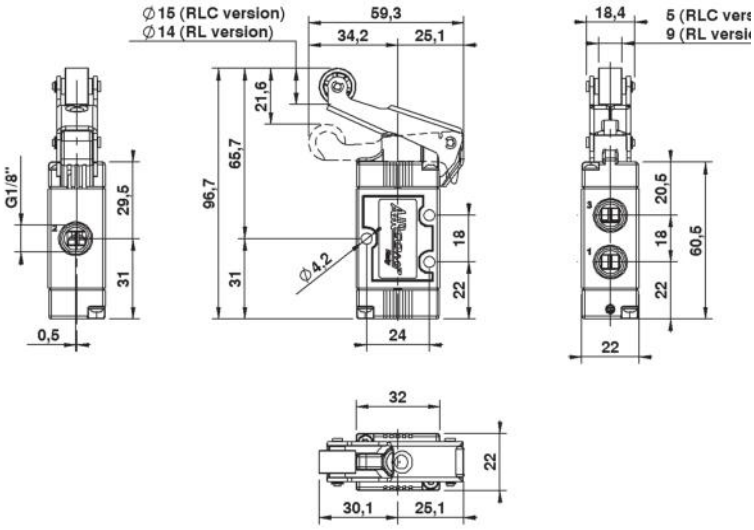
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 39 N
Weight 0,067 kg

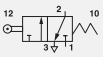
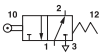


LINE **120 ME 1/8”** | MECHANICAL VALVES

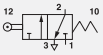
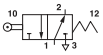
3/2 ROLLER LEVER VALVES



VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	**1202423003**	**ME 1/8" 22 3 RL ML NC P**
	**1202423004**	**ME 1/8" 22 3 RL ML NO P**

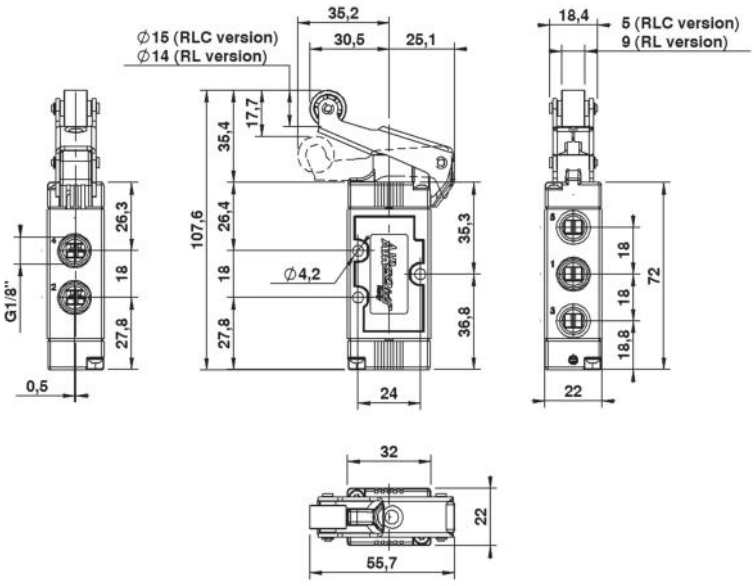
BALL BEARING VERSION

	CODE	REFERENCES
	**1202423007**	**ME1/8 22 3 RLC ML NC P**
	**1202423008**	**ME1/8 22 3 RLC ML NO P**

TECHNICAL DATA

Working pressure 1÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,085 kg

5/2 ROLLER LEVER VALVES



VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	1202425002	**ME 1/8" 22 5 RL ML OO P**

VERSION WITH BALL BEARING

	CODE	REFERENCES
	1202425006	**ME1/8 22 5 RLC ML OO P**

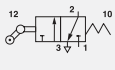
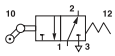
TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,092 kg

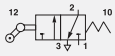
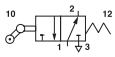
LINE **120 ME 1/8”** | MECHANICAL VALVES

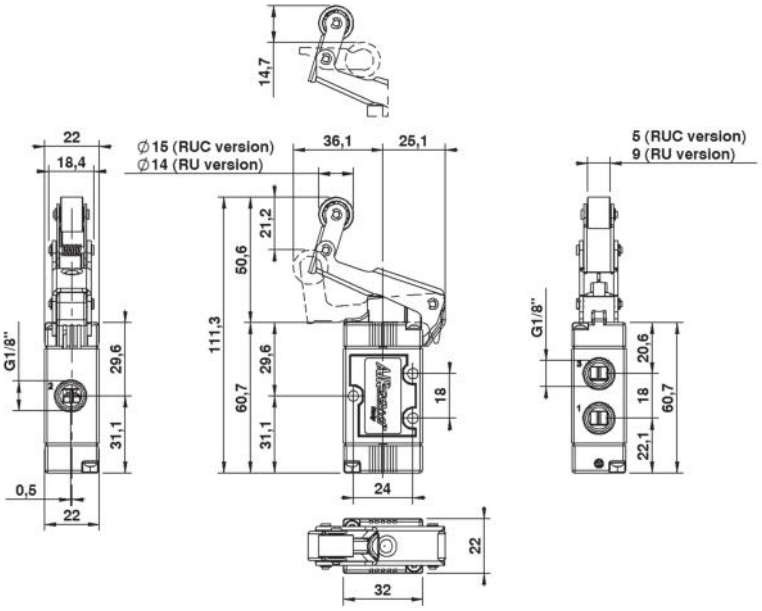
3/2 UNIDIRECTIONAL ROLLER LEVER VALVES

VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	1202423005	ME 1/8" 22 3 RU ML NC P
	1202423006	ME 1/8" 22 3 RU ML NO P

VERSION WITH BALL BEARING.

	CODE	REFERENCES
	1202423009	ME1/8 22 3 RUC ML NC P
	1202423010	ME1/8 22 3 RUC ML NO P

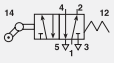


TECHNICAL DATA

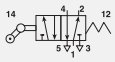
Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 18 N
Weight 0,092 kg

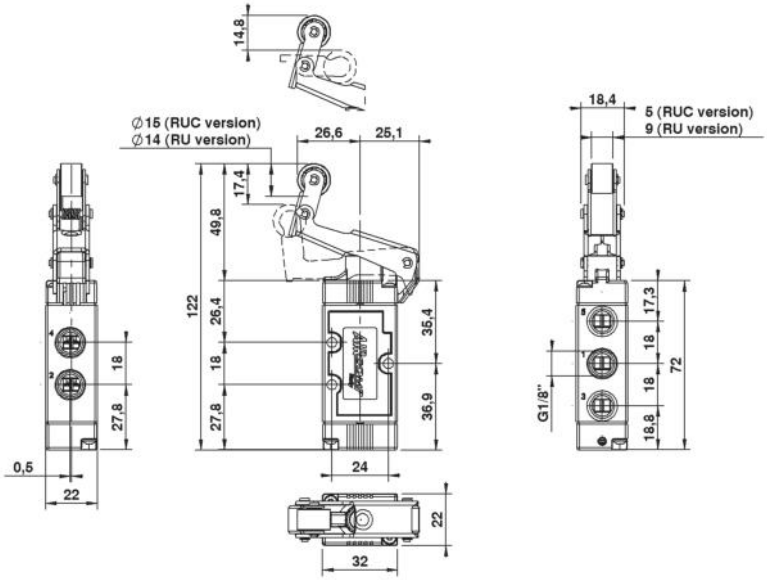
5/2 UNIDIRECTIONAL ROLLER LEVER VALVES

VERSION WITH TECHNOPOLYMER ROLLER

	CODE	REFERENCES
	1202425003	ME 1/8" 22 5 RU ML OO P

VERSION WITH BALL BEARING

	CODE	REFERENCES
	1202425007	ME1/8 22 5 RUC ML OO P

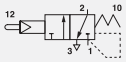
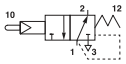


TECHNICAL DATA

Working pressure 0÷10 Bar (0÷1,00 MPa)
Thrust force (a 6 Bar) 16 N
Weight 0,098 kg

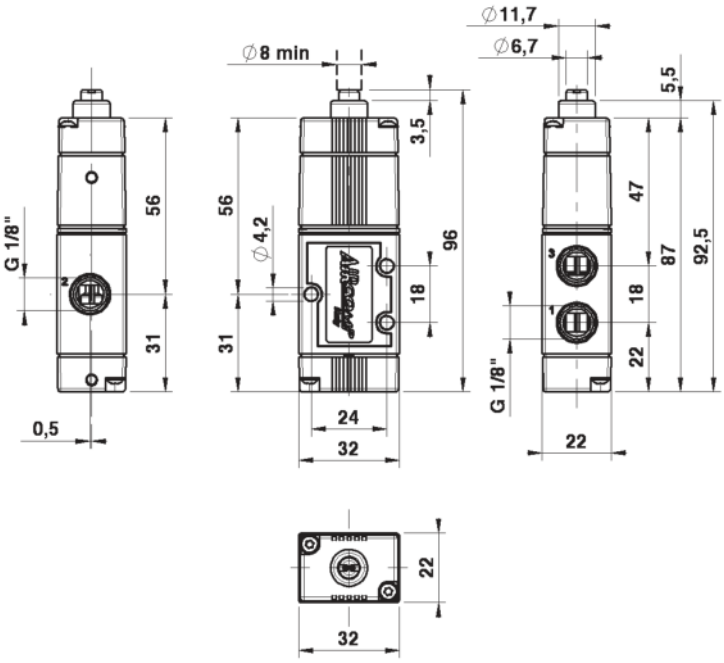
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 SENSIBLE PUSHROD VALVES

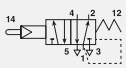
	CODE	REFERENCES
	**1202523001**	**ME 1/8" 22 3 PS PM NC P**
	**1202523002**	**ME 1/8" 22 3 PS PM NO P**

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,072 kg

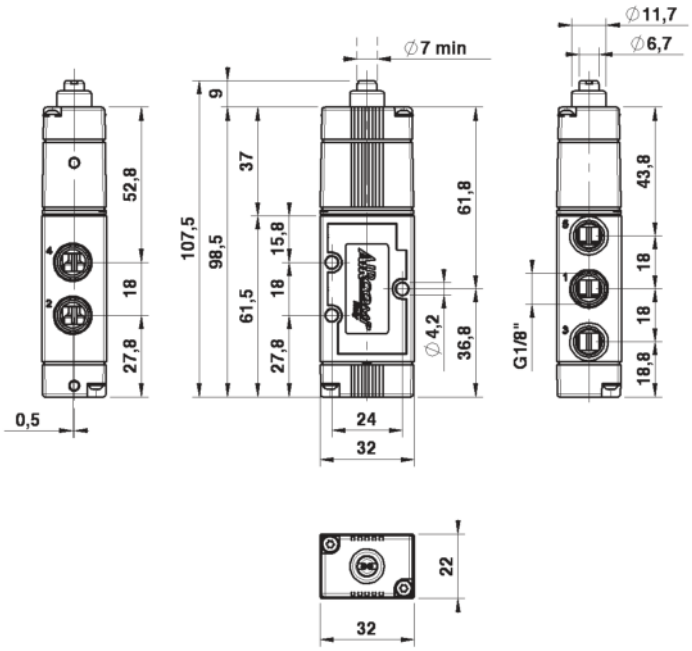


5/2 SENSIBLE PUSHROD VALVES

	CODE	REFERENCES
	**1202525001**	**ME 1/8" 22 5 PS PM OO P**

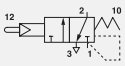
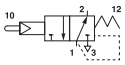
TECHNICAL DATA

Working pressure 1÷10 Bar (0,01÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,079 kg



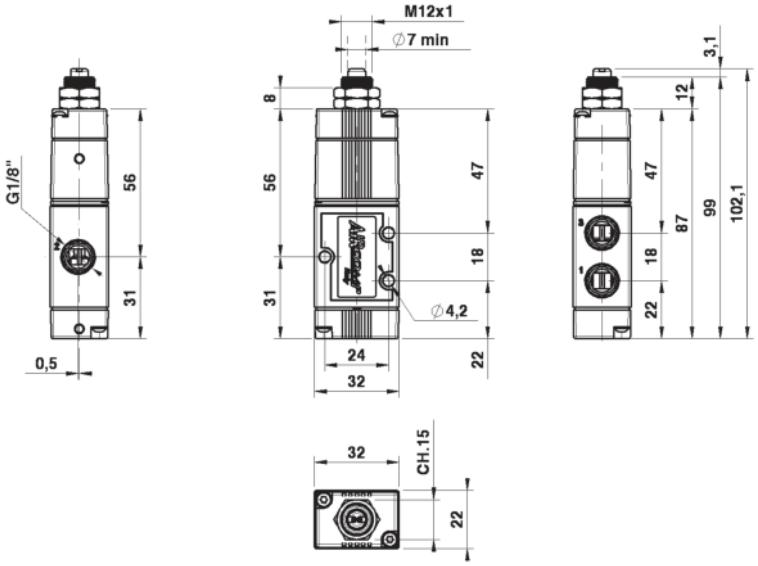
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 SENSIBLE THROUGH-WALL PUSHROD VALVES

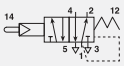
	CODE	REFERENCES
	1202523007	ME 1/8" 22 3 PO PM NC P
	1202523008	ME 1/8" 22 3 PO PM NO P

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,075 kg

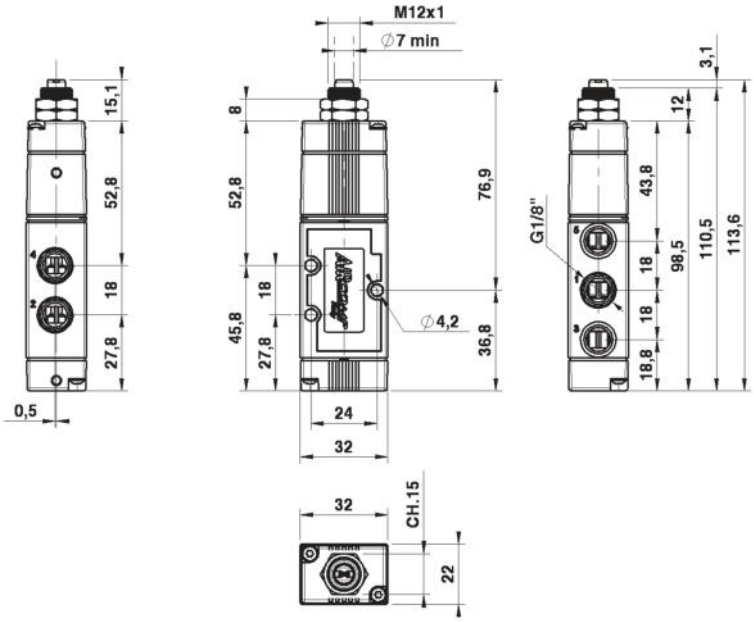


5/2 SENSIBLE THROUGH-WALL PUSHROD VALVES

	CODE	REFERENCES
	1202525004	ME 1/8" 22 5 PO PM OO P

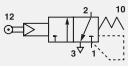
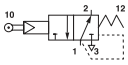
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 9 N
Weight 0,082 kg



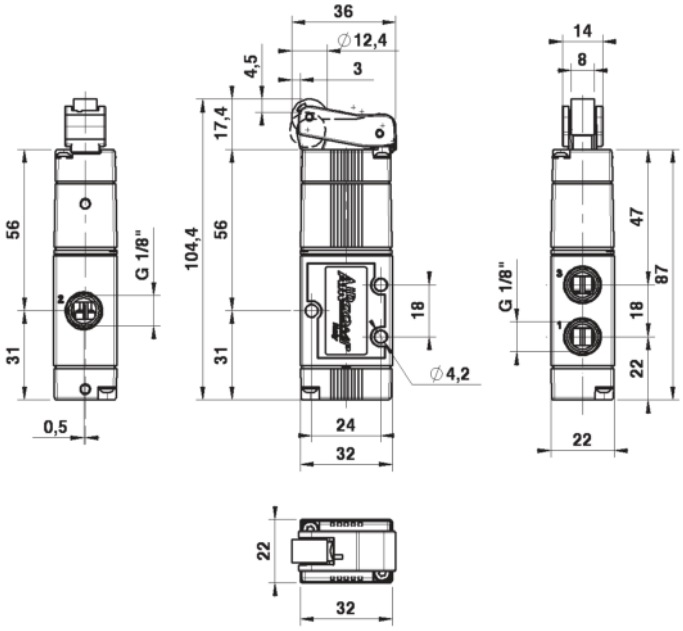
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 SENSIBLE ROLLER LEVER VALVES

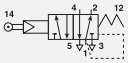
	CODE	REFERENCES
	1202523003	ME 1/8" 22 3 RS PM NC P
	1202523004	ME 1/8" 22 3 RS PM NO P

TECHNICAL DATA

Working pressure 1÷10 Bar (0,01÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,079 kg

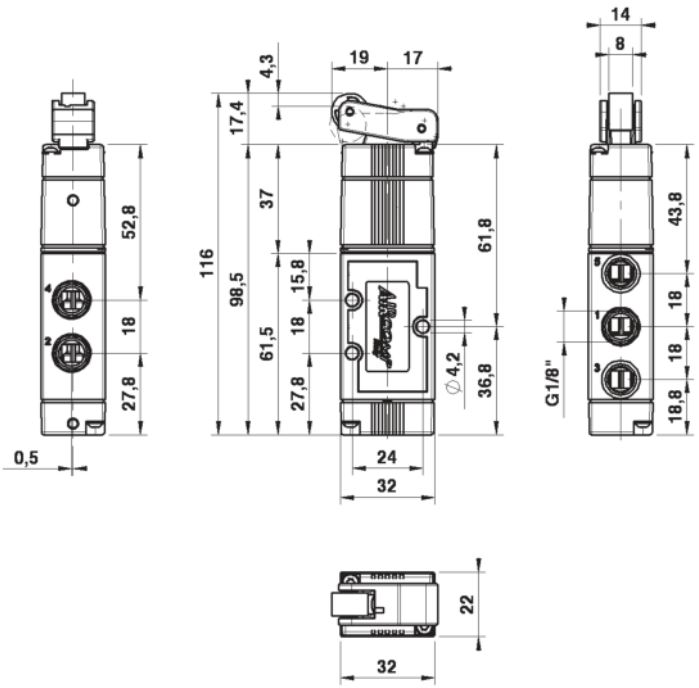


5/2 SENSIBLE ROLLER LEVER VALVES

	CODE	REFERENCES
	1202525002	ME 1/8" 22 5 RS PM OO P

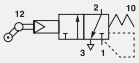
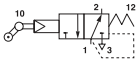
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,086 kg



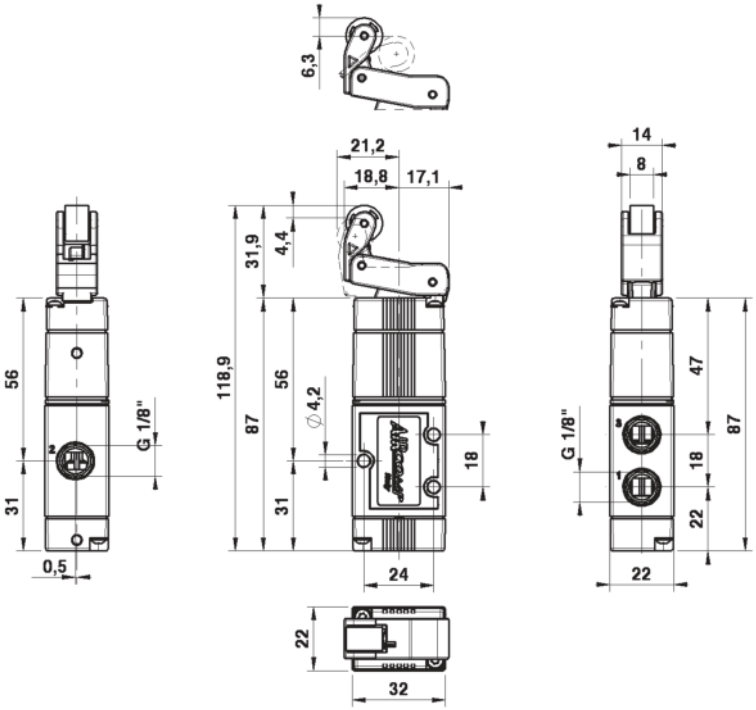
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 SENSIBLE UNIDIRECTIONAL ROLLER LEVER VALVES

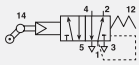
	CODE	REFERENCES
	1202523005	ME 1/8" 22 3 RO PM NC P
	1202523006	ME 1/8" 22 3 RO PM NO P

TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,082 kg

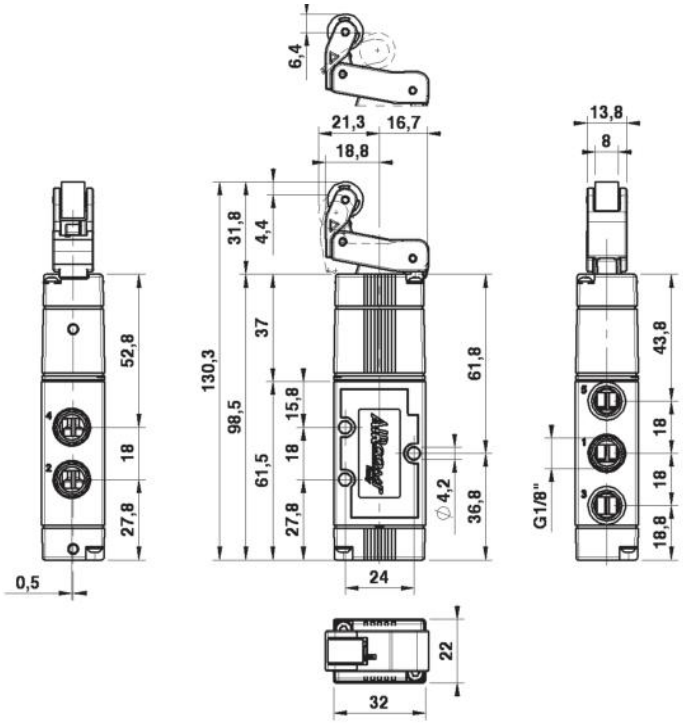


5/2 SENSIBLE UNIDIRECTIONAL ROLLER LEVER VALVES

	CODE	REFERENCES
	1202525003	ME 1/8" 22 5 RO PM OO P

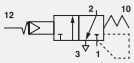
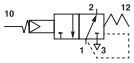
TECHNICAL DATA

Working pressure 1÷10 Bar (0,10÷1,00 MPa)
Thrust force (a 6 Bar) 4,5 N
Weight 0,089 kg



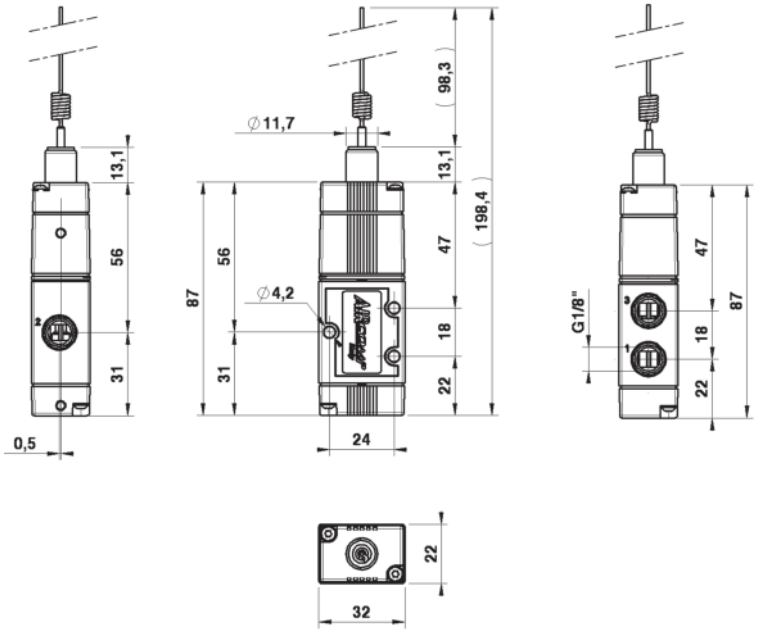
LINE **120 ME 1/8”** | MECHANICAL VALVES

3/2 WHISKER VALVES

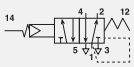
	CODE	REFERENCES
	1202523013	ME 1/8″ 22 3 AN PM NC P
	1202523014	ME 1/8″ 22 3 AN PM NO P

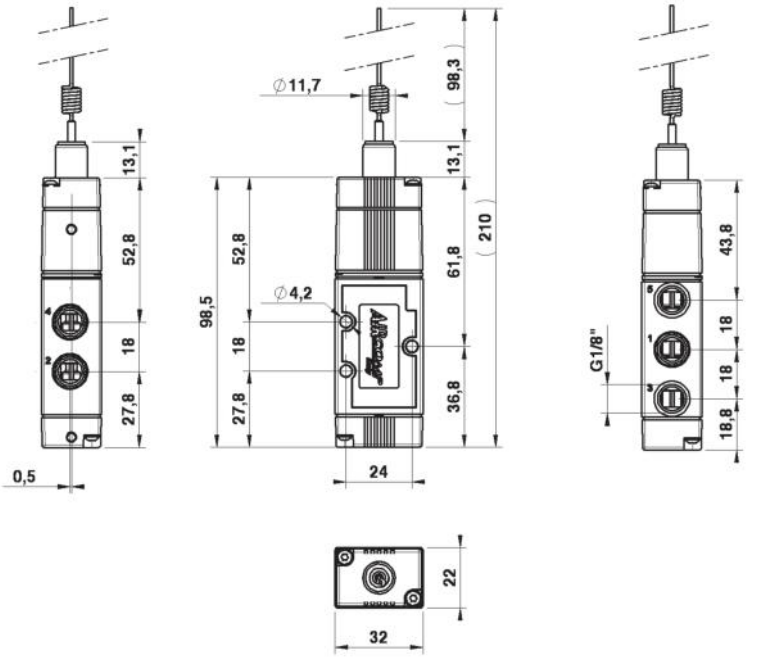
TECHNICAL DATA

Working pressure	1÷10 Bar (0,10÷1,00 MPa)
Weight	0,078 kg



5/2 WHISKER VALVES

	CODE	REFERENCES
	1202525007	ME 1/8″ 22 5 AN PM OO P

TECHNICAL DATA

Working pressure	1÷10 Bar (0,10÷1,00 MPa)
Weight	0,085 kg