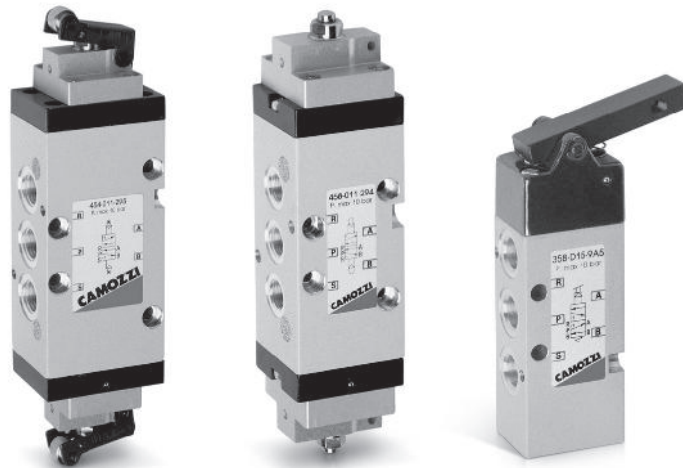# Series 3 and 4 mechanically operated sensor valves

2

CONTROL

3/2 and 5/2-way
Ports G1/8, G1/4

The particular mechanical device allows these end-stroke valves to operate with very low actuating forces.
Series 3 has been designed with a mechanical lever device which works in negative pressure. To increase sensitivity it is possible to add to the lever a steel extension with ø 3 mm.

GENERAL DATA

Construction	spool-type (servocontrolled)
Valve group	3/2, 5/2 way/pos.
Materials	aluminium body, stainless steel spool, NBR seals
Ports	G1/8, G1/4
Ambient temperature	0°C ÷ 60°C
Medium temperature	0°C ÷ 50°C
Operating pressure	see models
Fluid	Filtered air, without lubrication. If lubricated air is used, it is recommended to use ISO VG32 oil. Once applied the lubrication should never be interrupted.

CODING EXAMPLE

3	3	8	-	D15	-	9A5

| 3	SERIES: 3 4
3	FUNCTION: 3 = 3/2-way NC 4 = 3/2-way NO 5 = 5/2-way
8	PORTS: 8 = G1/8 4 = G1/4
D15	ACTUATION: D15 = pressure drop/spring 015 = pressure/spring 011 = pressure/pressure
9A5	DEVICES: 9A5 = lever sensor, spring return 194 = plunger sensor, spring return 294 = plunger sensor, bistable 195 = lever/roller, spring return 295 = lever/roller, bistable

2

CONTROL

Valve

Operating pressure = 4 ÷ 10 bar.
Flow rate = 700 Nl/min.
Actuating force at 6 bar = 2N

The function of the valve is indicated by the symbol
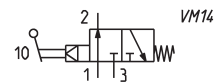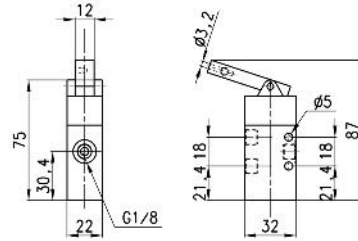when operating between 4 and 10 bar.

VM15

Mod.
338-D15-9A5

Valve

Operating pressure = 4 ÷ 10 bar
Flow rate = 700 Nl/min
Actuating force at 6 bar = 2N

The function of the valve is indicated by the symbol
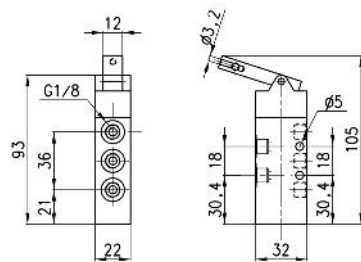when operating between 4 and 10 bar.

VM14
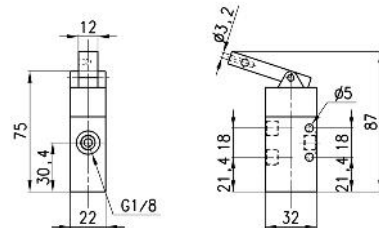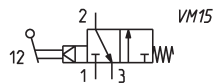
Mod.
348-D15-9A5

Valve

Operating pressure = 4 ÷ 10 bar
Flow rate = 700 Nl/min
Actuating force at 6 bar = 2N

The function of the valve is indicated by the symbol
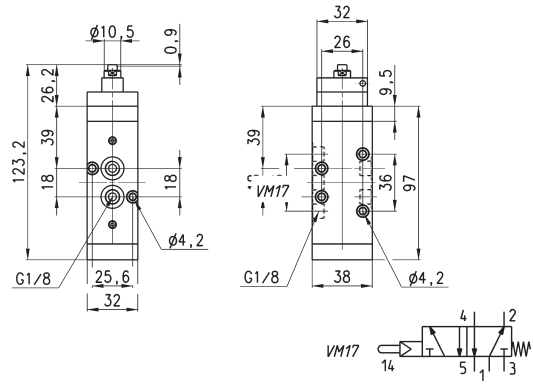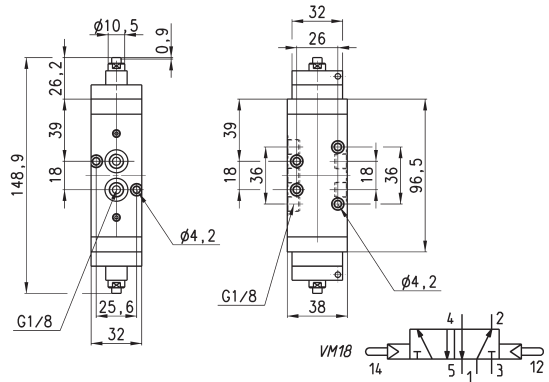when operating between 4 and 10 bar.

VM16
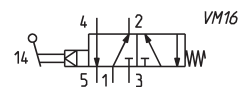
Mod.
358-D15-9A5

Valve

Operating pressure = 2.5 ÷ 8 bar
Flow rate = 650 Nl/min.
Actuating force at 6 bar = 6 N

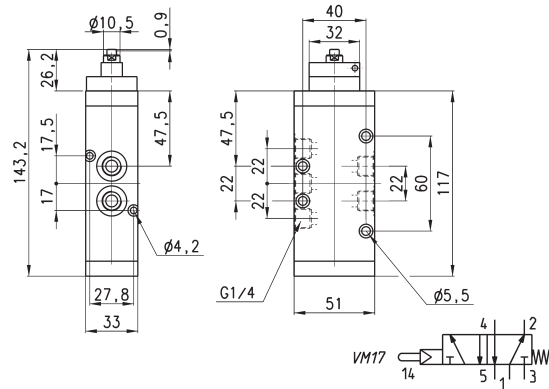Mod.
458-015-194

Valve

Operating pressure = 2 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 6 N
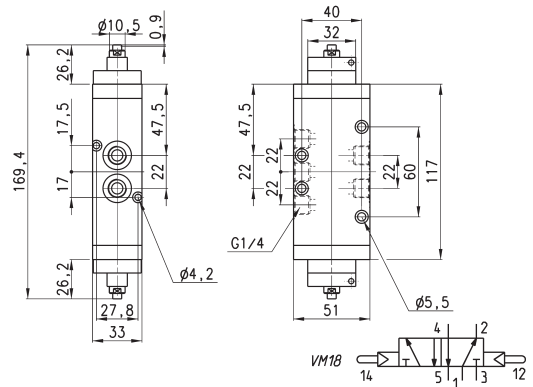
Mod.
458-011-294

Valve

Operating pressure = 2.5 ÷ 8 bar
Flow rate = 1250 Nl/min
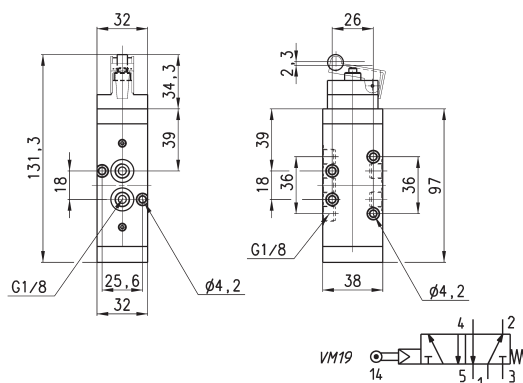Actuating force at 6 bar = 6 N

Mod.
454-015-194

Valve

Operating pressure: 2 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 6 N
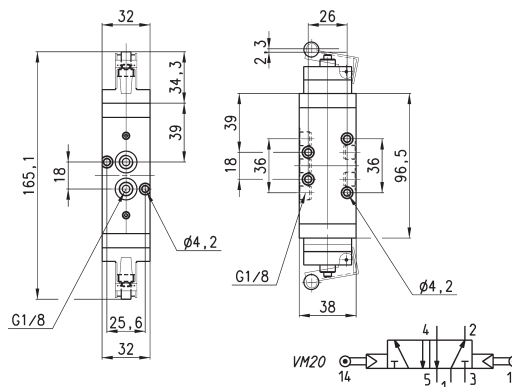
DIMENSIONS
Mod.
454-011-294

2

CONTROL

Valve

Operating pressure = 2.5 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 4 N

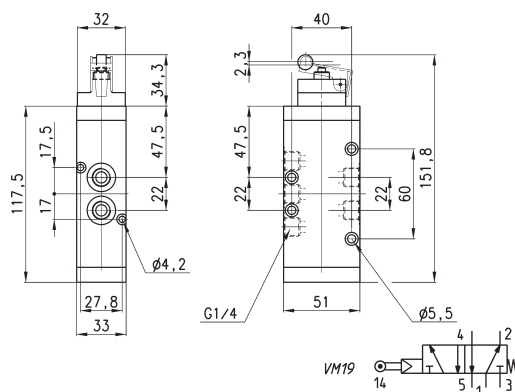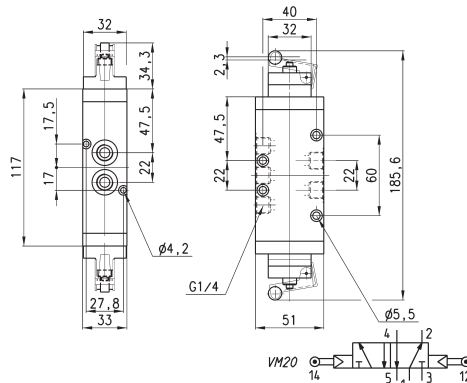

VM19

Mod.
458-015-195

Valve

Operating pressure = 2 ÷ 8 bar
Flow rate = 650 Nl/min
Actuating force at 6 bar = 4 N

VM20

DIMENSIONS
Mod.
458-011-295

Valve

Operating pressure = 2.5 ÷ 8 bar
Flow rate = 1250 Nl/min.
Actuating force at 6 bar = 4 N

VM19

Mod.
454-015-195

Valve

Operating pressure = 2 ÷ 8 bar
Flow rate = 1250 Nl/min
Actuating force at 6 bar = 4 N

VM20

Mod.
454-011-295