

# Mechanically operated sensor valves Series 3 and 4

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



In order to facilitate the use of limit switch valves in applications where very low actuating forces and high flow rates are required, the Series 3 and Series 4 valves are equipped with new mechanical devices designed for this purpose. The Series 3 valve is designed with a mechanical lever which when operated releases an internal pilot signal to atmosphere. Actuation forces are less than 50g and the sensitivity can be increased by adding a "whisker" or rod of dia. 3mm to the lever.

## GENERAL DATA

<b>Construction</b>	spool-type (servocontrolled)
<b>Valve group</b>	3/2, 5/2 way/pos.
<b>Materials</b>	aluminium body, stainless steel spool, NBR seals
<b>Ports</b>	G1/8, G1/4
<b>Ambient temperature</b>	0°C + 60°C
<b>Medium temperature</b>	0°C + 50°C
<b>Operating pressure</b>	see models
<b>Fluid</b>	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

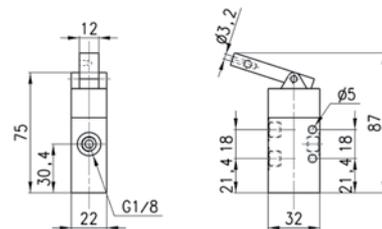
<b>3</b>	<b>3</b>	<b>8</b>	<b>-</b>	<b>D15</b>	<b>-</b>	<b>9A5</b>
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<b>3</b>	SERIES: 3 4
<b>3</b>	FUNCTION: 3 = 3/2 ways N.C. 4 = 3/2 ways N.O. 5 = 5/2 ways
<b>8</b>	PORTS: 8 = G1/8 4 = G1/4
<b>D15</b>	D15 = pressure drop/spring 015 = pressure/spring 011 = pressure/pressure
<b>9A5</b>	ACTUATION 9A5 = lever sensor, spring return 194 = plunger sensor, spring return 294 = plunger sensor, bistable 195 = lever/roller, spring return 295 = lever/roller, bistable

## Valve



Operating pressure = 4 ÷ 10 bar.  
Flow rate = 700 NI/min.  
Actuating force at 6 bar = 2N  
\* The function of the valve is indicated by the symbol when operating between 4 and 10 bar.



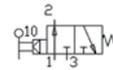
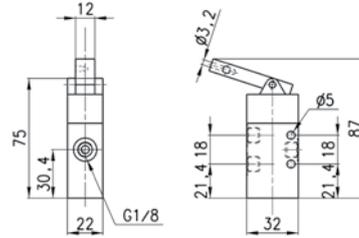
Mod.

338-D15-9A5

Valve Mod. 348-D15-9A5



Operating pressure = 4 ÷ 10 bar.  
 Flow rate = 700 NI/min.  
 Actuating force at 6 bar = 2N  
 \* The function of the valve is indicated by the symbol when operating between 4 and 10 bar.

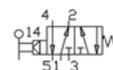
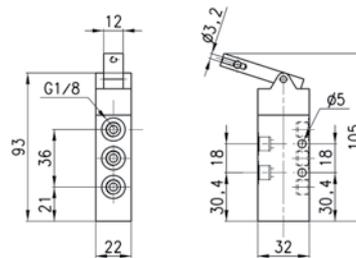


Mod.  
**348-D15-9A5**

Valve



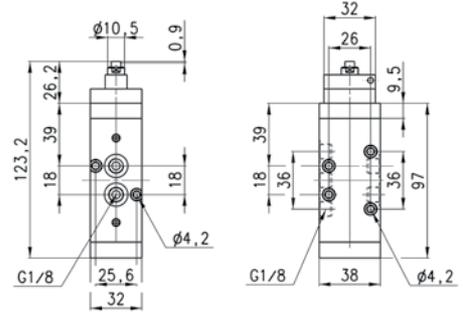
Operating pressure = 4 ÷ 10 bar.  
 Flow rate = 700 NI/min.  
 Actuating force at 6 bar = 2N  
 \* The function of the valve is indicated by the symbol when operating between 4 and 10 bar.



Mod.  
**358-D15-9A5**

Valve

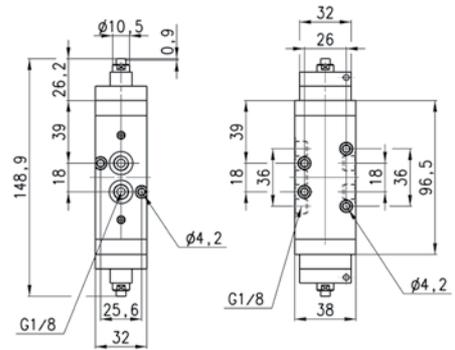
Operating pressure = 2.5 ÷ 8 bar  
 Flow rate = 650 NI/min.  
 Actuating force at 6 bar = 6 N



Mod.  
 458-015-194

Valve

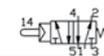
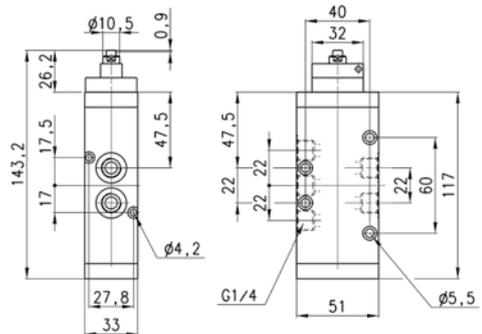
Operating pressure = 2 ÷ 8 bar  
 Flow rate = 650 NI/min.  
 Actuating force at 6 bar = 6 N



Mod.  
 458-011-294

Valve

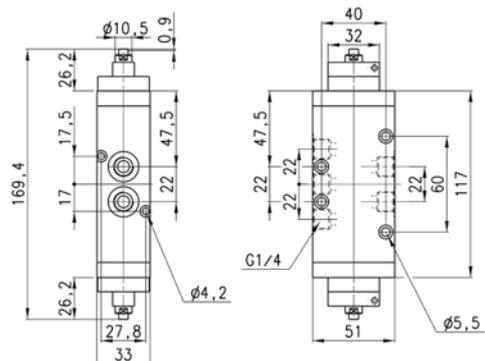
Operating pressure = 2.5 ÷ 8 bar  
 Flow rate = 1250 NI/min.  
 Actuating force at 6 bar = 6 N



Mod.  
 454-015-194

Valve

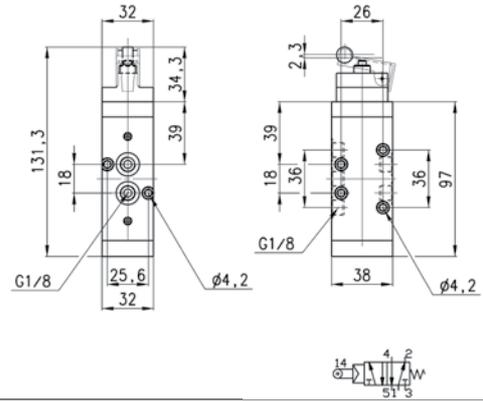
Operating pressure: 2 ÷ 8 bar  
 Flow rate = 1250 NI/min.  
 Actuating force at 6 bar = 6 N



DIMENSIONS  
 Mod.  
 454-011-294

Valve

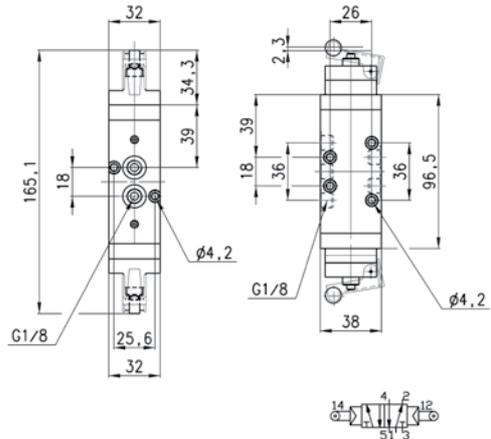
Operating pressure = 2.5 ÷ 8 bar  
 Flow rate = 650 NI/min.  
 Actuating force at 6 bar = 4 N



Mod.  
 458-015-195

Valve

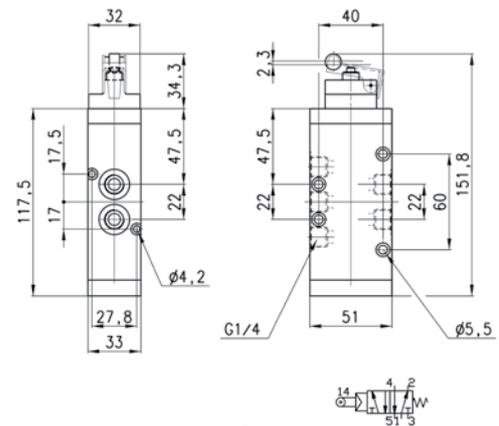
Operating pressure = 2 ÷ 8 bar  
 Flow rate = 650 NI/min.  
 Actuating force at 6 bar = 4 N



DIMENSIONS  
 Mod.  
 458-011-295

Valve

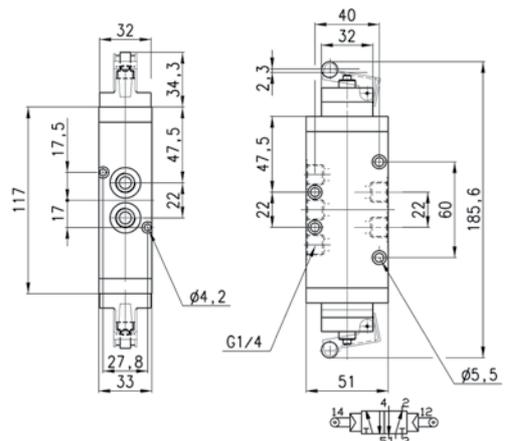
Operating pressure = 2.5 ÷ 8 bar  
 Flow rate = 1250 NI/min.  
 Actuating force at 6 bar = 4 N



Mod.  
 454-015-195

Valve

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



Mod.  
 454-011-295