

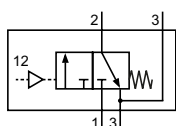
Technical details

Connection	G1/4, Namur
Nominal size	6 mm
Temperature range	-10°C ... +70°C
Medium	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
Materials	Body: Al (anodized), zinc coated steel, plastic, seals: NBR, inner parts: Al, steel and plastic
	Valves in accordance with 2014/34/EU (ATEX) available. (Chapter 12)



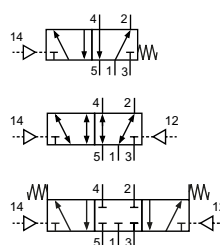
Pneumatically operated spool valve. The valve switches upon pressurization of the pilot port. The location pin, screws and seals are included.

3/2-way valve



PN-05-311
 3/2-way, single pilot, mechanical spring return

5/2- and 5/3-way valves



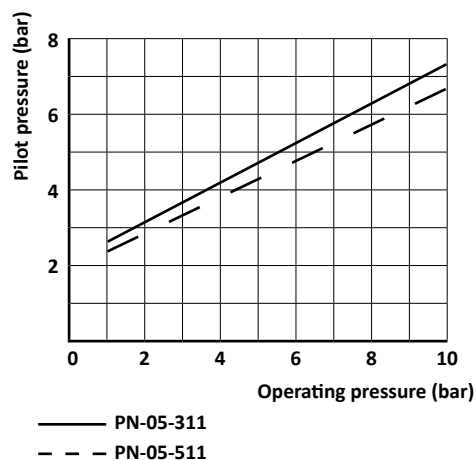
PN-05-511
 5/2-way, single pilot, mechanical spring return

PN-05-520
 5/2-way, double pilot

PN-05-530
 5/3-way, center position closed

Technical data

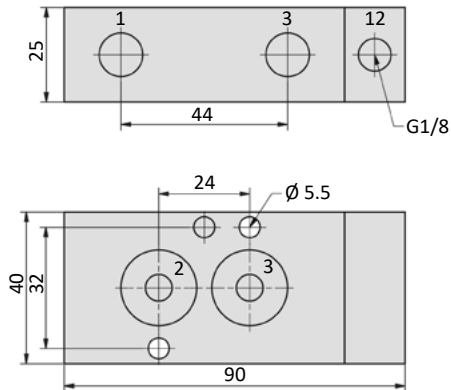
Model-no.:	PN-05-311	PN-05-511	PN-05-520	PN-05-530
Operating pressure (bar)	0...10 bar	0...10 bar	0...10 bar	0...10 bar
Pilot pressure (bar)	see diagram	see diagram	2...10 bar	3...10 bar
Flow rate (NI/min)	800	800	900	680
Weight (kg)	0.22	0.22	0.26	0.28



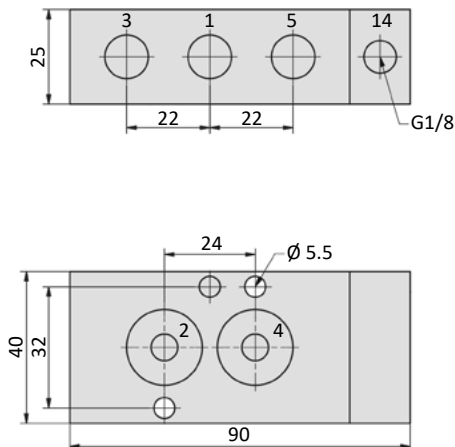
Series PN-05 NAMUR

Dimensions

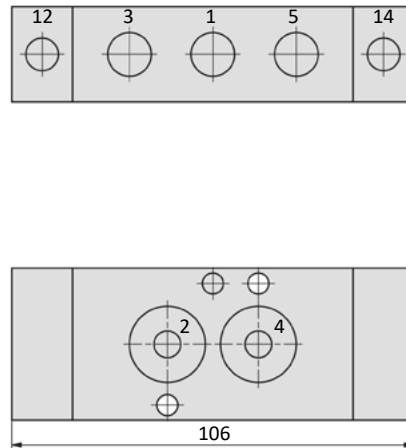
PN-05-311



PN-05-511



PN-05-520, P-05-530



- 1 = pressure inlet
 - 2,4 = outlets
 - 3,5 = exhausts
 - 12,14 = pilot ports
- Pilot ports can be repositioned by 180°.

Pneumatically operated valves

Device marking

Pneumatically operated valves are marked as follows:



II 2G Ex h IIC T5 Gb

II 2D Ex h IIIC T100°C Db

-10°C T_{amb} +50°C

Marking according to DIN EN ISO 80079-36/ -37.

Pneumatically operated valves conform to Equipment category 2 and can be used in Zone 1 respectively Zone 21.

Available valves

Series	Versions
PN-05	311, 511, 520, 530



The operating instructions for the valve and the electrical equipment must be taken into account before putting into operation. These are included with each valve and are available at www.airtec.de.