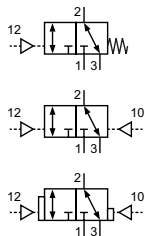


**Technical details**

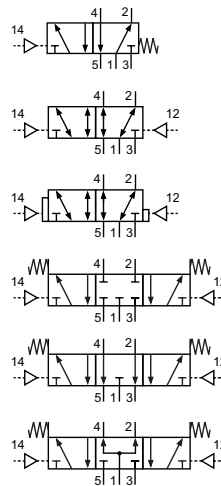
<b>Connection</b>	G1/8
<b>Nominal size</b>	6 mm
<b>Temperature range</b>	-10°C ... +70°C
<b>Medium</b>	Filtered, oil-free and dried compressed air according to ISO 8573-1:2010, Class 7:2:4, instrument air, free of aggressive additives. Differing the pressure dew point must be at least 10°C below lowest occurring ambient temperature.
<b>Materials</b>	Body: Al (anodized), seals: NBR and POM, inner parts: Al, brass, stainless steel
	Valves in accordance with 2014/34/EU (ATEX) available. (Chapter 13)



Pneumatically operated spool valve. The valve switches upon pressurization of the pilot port.

**3/2-way valves**


- P-05-311  
3/2-way, single pilot, mechanical spring return
- P-05-320  
3/2-way, double pilot
- P-05-322  
3/2-way, double pilot, one side dominant

**5/2- and 5/3-way valves**


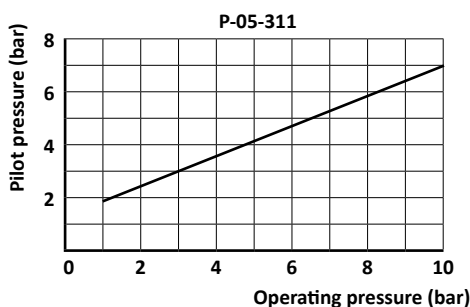
- P-05-511  
5/2-way, single pilot, mechanical spring return
- P-05-520  
5/2-way, double pilot
- P-05-522  
5/2-way, double pilot, one side dominant
- P-05-530  
5/3-way, center position closed
- P-05-533  
5/3-way, center position exhausted
- P-05-534  
5/3-way, center position pressurized

**Technical data**

Model-no.:	P-05-311	P-05-320	P-05-322	P-05-511		
<b>Operating pressure (bar)</b>	1 ... 10	0 ... 10	0 ... 10	0 ... 10	0 ... 10	0 ... 10
<b>Pilot pressure (bar)</b>	see diagram	2 ... 10	2 ... 10	3 ... 10	2 ... 10	2 ... 10
<b>Flow rate (NI/min)</b>	750	750	750	750	750	750
<b>Weight (kg)</b>	0.158	0.195	0.195	0.205	0.245	0.245

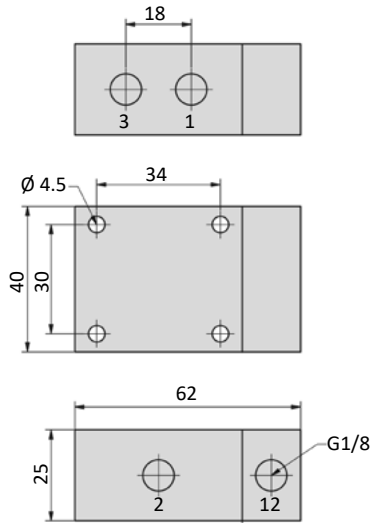
Model-no.:	P-05-511	P-05-520	P-05-522	P-05-530	P-05-533	P-05-534
<b>Operating pressure (bar)</b>	0 ... 10	0 ... 10	0 ... 10	0 ... 8	0 ... 8	0 ... 8
<b>Pilot pressure (bar)</b>	3 ... 10	2 ... 10	2 ... 10	3 ... 8	3 ... 8	3 ... 8
<b>Flow rate (NI/min)</b>	750	750	750	650	650	650
<b>Weight (kg)</b>	0.205	0.245	0.245	0.245	0.245	0.245



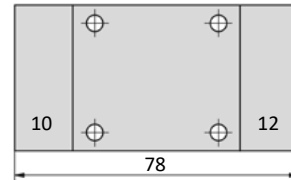
## Series P-05

### Dimensions

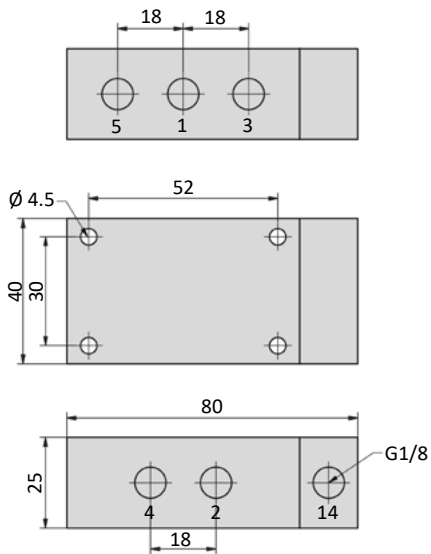
#### P-05-311



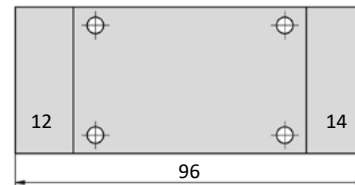
#### P-05-32x



#### P-05-511



#### P-05-52x, P-05-53x



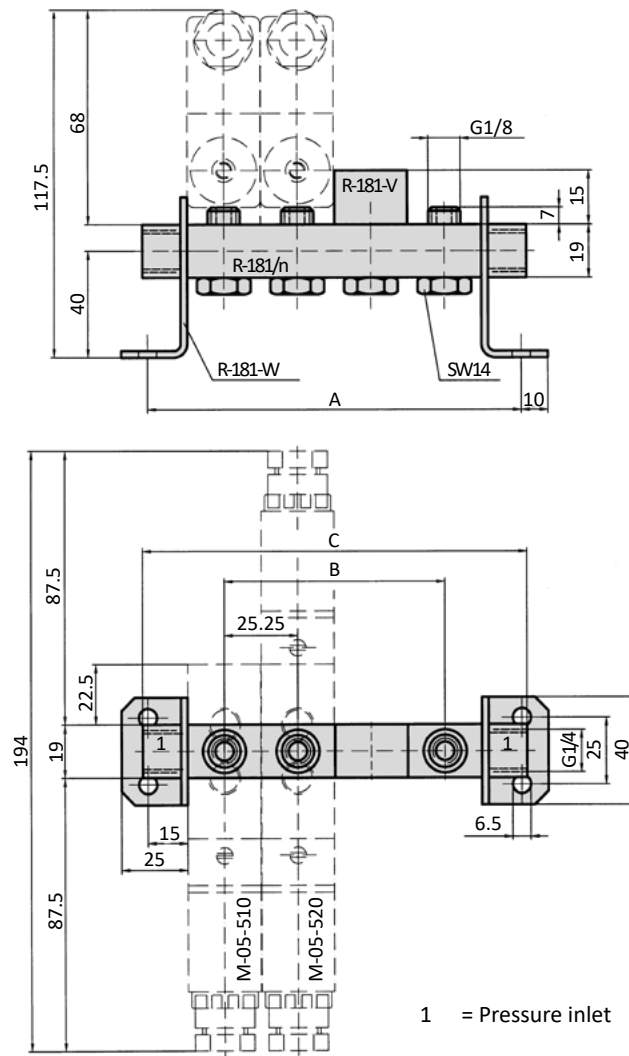
- 1 = pressure inlet
  - 2,4 = outlets
  - 3,5 = exhausts
  - 10,12,14 = pilot ports
- Pilot ports can be repositioned by 180°.

**General information**

The R-181/n manifold is suitable for the P-05 valve series. As well available are blind plates R-181-V for blank stations and mounting brackets R-181-W (pair). Hollow bolts and gaskets are included.



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**Dimensions**


Model-no.:	A	B	C	Weight(kg)
R-181/2	80.5	25.25	85	0.084
R-181/3	105.75	50.5	110	0.113
R-181/4	131	75.75	135	0.144
R-181/5	156.25	101	160	0.174
R-181/6	181.5	126.25	185	0.215
R-181/8	232	176.75	235	0.266
R-181/10	282.5	227.25	285	0.326
R-181/12	333	277.75	335	0.385