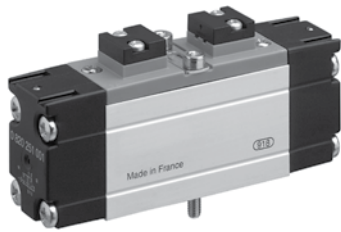


5/2-directional valve, Series CD01-AL

► Qn = 1000 l/min ► plate connection ► compressed air connection output: base plate DIN ISO 15407-1 ► Can be assembled into blocks



00106818

Version	Spool valve, zero overlap
Pilot	External
Sealing principle	Soft sealing
Blocking principle	Base plate principle, multiple
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	+0 °C / +50 °C
Medium temperature min./max.	+0 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Mounting screw	M4 with hexagon socket

Materials:

Housing	Aluminum
Seals	Acrylonitrile Butadiene Rubber; Hydrogenated nitrile butadiene rubber
Front plate	Polyamide
Threaded bushing	Aluminum

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.

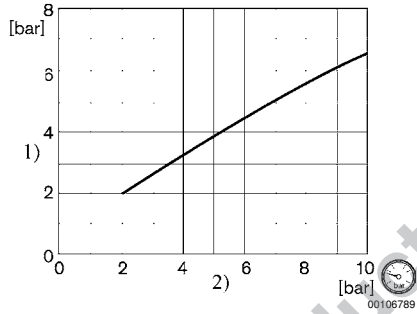
	Compressed air connection					Flow rate value	Qn	Working pressure min./max.	Control pressure min./max.	Weight	Note	Part No.
	Input	Output	Exhaust	Pilot control exhaust	Pilot connection							
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	[l/min]	[bar]	[bar]	[kg]			
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1000	2 / 10	-- / 10	0.21	1)	0820251001	
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1000	-0.95 / 10	2.5 / 10	0.21	-	0820251002	
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1000	-0.95 / 10	1 / 10	0.21	-	0820251003	
	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	base plate DIN ISO 15407-1	1000	-0.95 / 10	1.5 / 10	0.21	-	0820251004	

1) See diagram
Nominal flow Qn at 6 bar and Δp = 1 bar

5/2-directional valve, Series CD01-AL

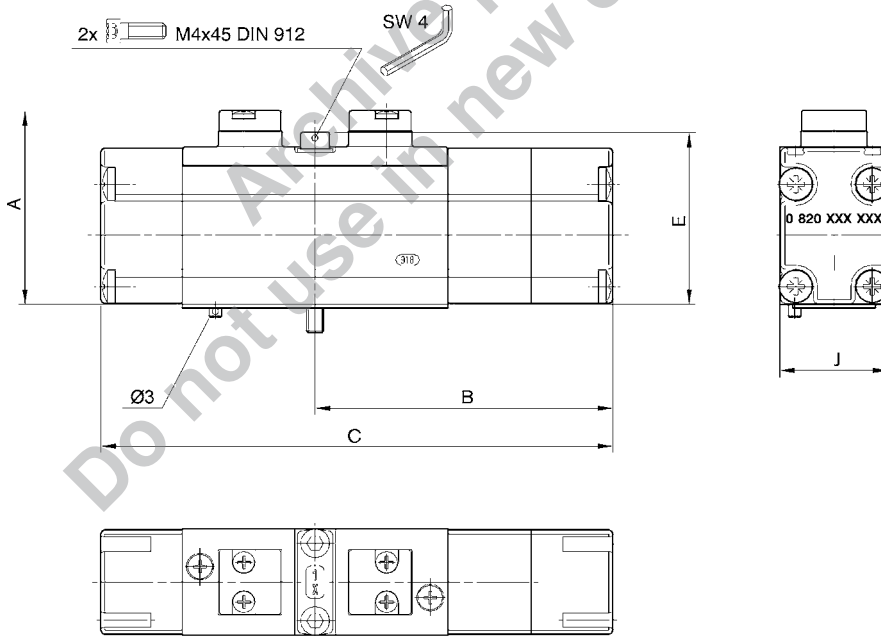
► Qn = 1000 l/min ► plate connection ► compressed air connection output: base plate DIN ISO 15407-1 ► Can be assembled into blocks

Control pressure



- 1) Control pressure
- 2) Operating pressure

Dimensions



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A	B	C	E	J									
48	51.5	103	42	26									