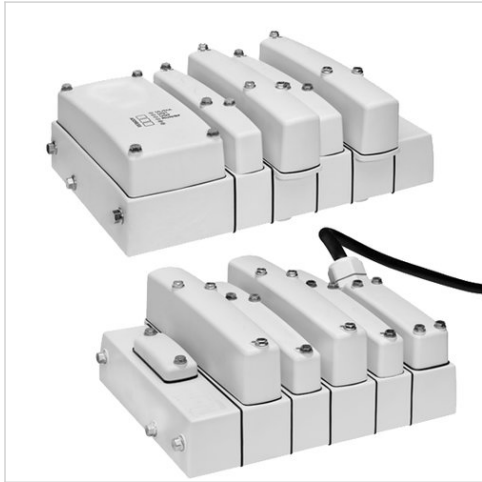# Valve system, Series CL03

- Configurable valve systems, suitable for use in food processing

Blocking principle	Single base plate principle
Working pressure min./max.	-0,95 ... 10 bar
Control pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	1100 l/min
Operational voltage electronics	24 V DC
Number of valve positions max.	18
Protection class with connection	IP65 IP67 IP69K
DC operating voltage	24 V

Overview of variants

	Version	You have the following options:
	Multipole	Electrical connection Multipole suitable for use in food processing
	Direct field bus connection	Supported fieldbus protocols: PROFIBUS DP CANopen DeviceNet PROFINET IO EtherNET/IP

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
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. Further information can be found in the "Technical information" document (available in the MediaCentre).
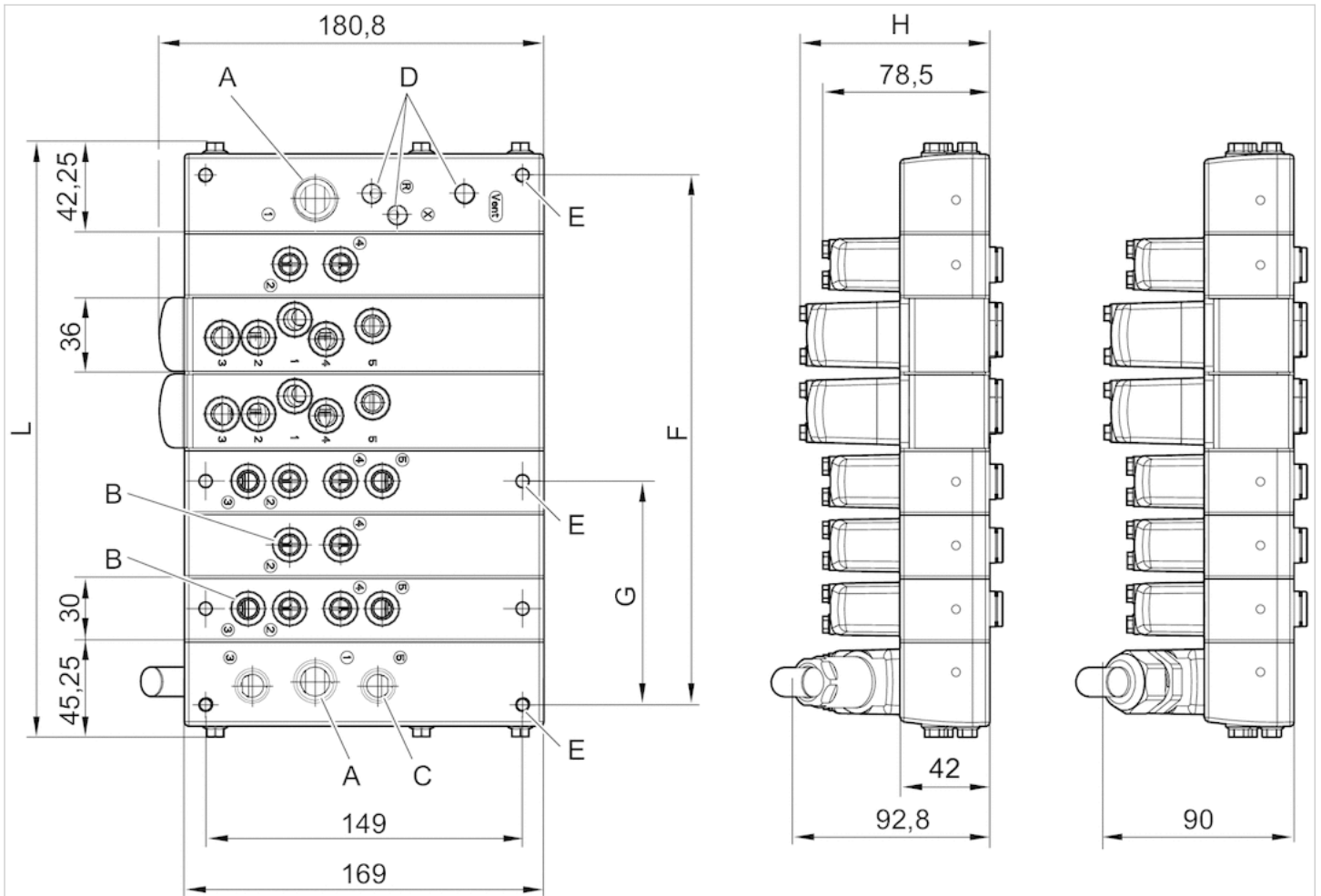
See the following pages on the series for technical data on individual components.

Technical information

| Material	
End plate	Polyamide, fiber-glass reinforced
Seal	Hydrogenated acrylonitrile butadiene rubber
Base plate	Polyamide, fiber-glass reinforced

Dimensions

Dimensions in mm Multipole plug

A = port 1: G 1/2B = for 2-ported and 4-ported subbases: all ports G 1/4 or push-in 8 mm. For 5-ported subbases: all ports G 1/4 or push-in 10 mmC = ports 3 and 5: G 3/8D = external supply and exhaust for pilot valves and ventilation port: G 1/8E = mounting thread M6, max. thread depth 15 mmF = 57.25 + (number of 2-ported and 4-ported subbases) * 30 + (number of 5-ported subbases) * 36G = mounting on 4-ported subbase 15.25 + (number of 2-ported and 4-ported subbases) * 30 + (number of 5-ported subbases) * 36G = mounting on 5-ported subbase 12.25 + (number of 2-ported and 4-ported subbases) * 30 + (number of 5-ported subbases) * 36L = 87.5 + (number of 2-ported and 4-ported subbases) * 30 + (number of 5-ported subbases) * 36H = 89.15 (IP69K version)
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

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Dimensions in mm Direct field bus connection (BDC)
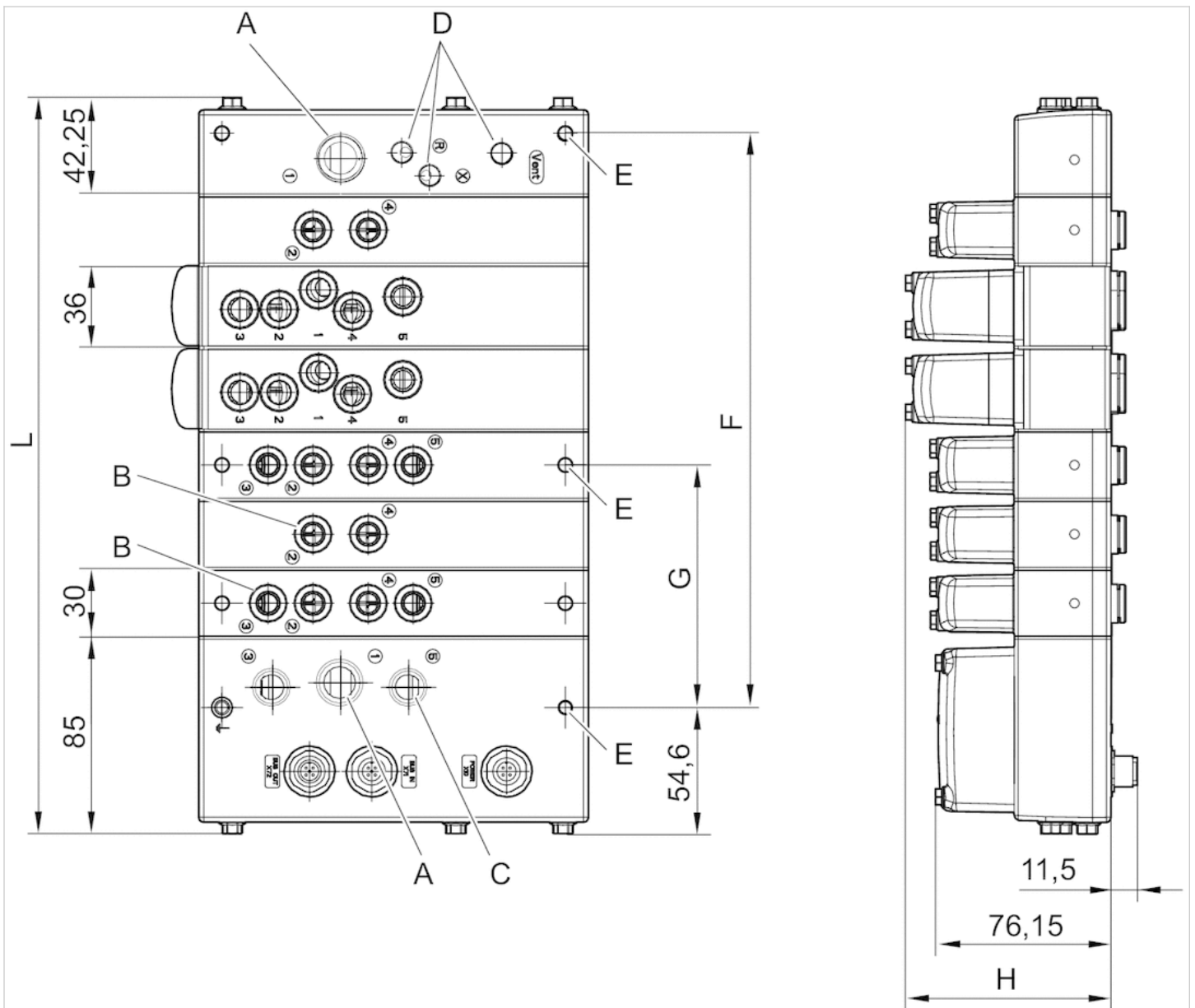
G = mounting on 4-ported subbase 0.60" + (number of 2-ported and 4-ported subbases) * 1.18" + (number of 5-ported subbases) * 1.42"G = mounting on 5-ported subbase 0.48" + (number of 2-ported and 4-ported subbases) * 1.18" + (number of 5-ported subbases) * 1.42"L = 5.01" + (number of 2-ported and 4-ported subbases) * 1.18" + (number of 5-ported subbases) * 1.42"H = 3.51" (IP69K version)

An example configuration is illustrated. The delivered product may thus deviate from the illustration.