



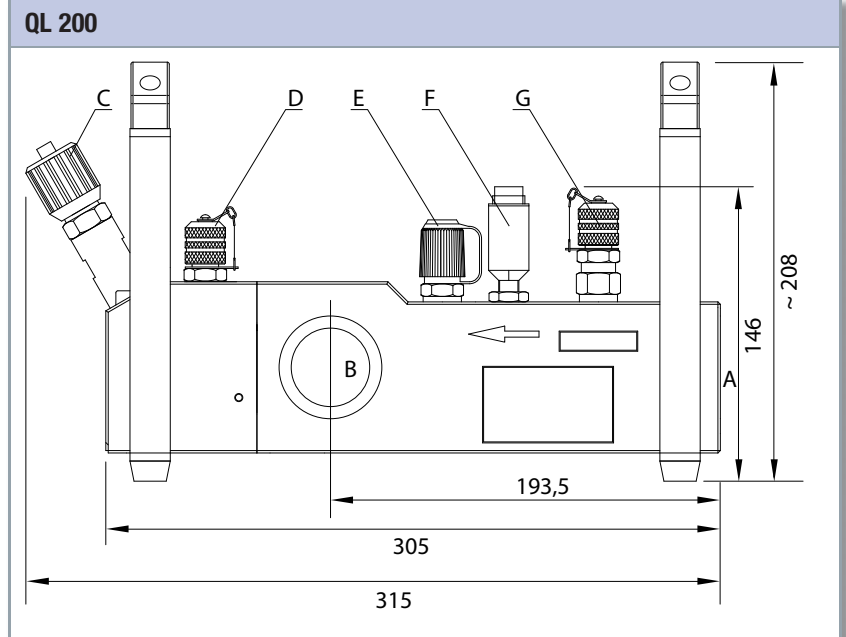
Qualities

Measuring principle	volume flow
Viscosity range	1 ... 100 mm ² /s (cSt)
Medium temperature	max. +120 °C
Environmental temperature	-20 ... +85 °C (short-term up to +100 °C)
Storage temperature	-20 ... +85 °C
Output signal	frequency (rectangular signal)
Supply voltage U _b	6.5 ... 30 VDC
Error limit	± 2.5 % of current value
Electrical measuring connector	5 pole device connector, M16 x 0.75
Mechanical measuring connector	ISO228-G1¼
Protection type (EN 60529 / IEC 529)	IP 40
Tightening torque (sensor)	10 Nm (± 2 Nm)
Calibration viscosity	30 mm ² /s (cSt)
Material turbine casing	Aluminium (3.4365)
Material turbine wheel	1.0718
Material sealings	FKM
Material sensor casing	3.1645
Suitable measuring cable	MK 01

Pin assignment

Pin assignment	Frequency (rectangular signal)
	Pin 1 = signal +
	Pin 2 = - U _b / signal - / GND
	Pin 3 = + U _b
	Pin 4 = free
	Pin 5 = free

Measuring range	Max. working pressure		Weight	Order number
l/min	bar	MPa	g	
16 ... 600	420	42	6,516	31VB-72-35.030A2



- A Inlet connector
- B Outlet connector
- C Throttle valve for continuous pressure adjustment
- D MINIMESS® test point for ventilation, series 1620
- E MINIMESS® test point, series 1620
- F Inductive sensor
- G MINIMESS® p/T-test point for pressure and temperature, series 1620

Q = 12 ... 600 l/min

