

Equipment	Positive Displacement meter		
Model	ZC17-250 with electronic register		
Performance characteristics			
Measured liquids	Liquid hydrocarbons, industrial oils, fatty acid esters, ethanol		
Static pressure	max	15 bar	
Inlet pressure	max	10 bar	
Liquid temperature	min / max	- 10°C / +90°C 14°F / +194°F	
Working flow rate	min / max	25 m3/h - 416 L/min - 110 USGPM / 250 m3/h - 4166 L/min - 1100 USGPM	
Liquid viscosity	max	20 mm²/s (MID) - 800 mm²/s - at operating conditions	
Accuracy	+/- 0.15% of measured value		
Repeatability	+/- 0.02% of measured value		
Pressure drop	See attached pressure drop chart		
Calibration report	On 3 points (25 m3/h, 125 m3/h, 250 m3/h)		
Manifold			
Connection nominal size	DN 150 / 6"		
Material	Steel (EN 1.0625), Steel with AMERON anticorrosion internal lining (option)		
End connection style	Flanges ASA 150 RF, ISO PN16, TW		
Flow direction/Mounting	PH2, PH1, PV1, PV2, PV3, PV4 - See attached document		
Coating	Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010 (option)		
Flowmeter body			
Body material	Ductile iron (EN 5.3201), Ni resist iron (EN-JL3011) (option)		
Cap/end cover material	Carbon steel (EN 1.0625) with protective coating		
Seal/O-ring material	Viton, Nitrile (option for alcohols measurement)		
External coating	Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010 (option)		
Measuring chamber			
Displacement element type	Sliding vanes flowmeter		
Cyclic volume	6,82 L - 1,8 USG		
Blades / Blades connection rods	Graphite / Stainless steel		
Rotor	Aluminum (EN AC-42100)		
Bearings	Stainless steel (EN 1.4301)		
Swing joint	Viton, Nitrile (option for alcohols), PTFE (option low ambient temperature)		
Drive train and adjuster			
Drive type	Mechanical transmission		
Accuracy adjuster type	Calibration constants		
Pulses transmitter	Type AC30		
Temperature compensation type	External Pt100		
Register			
Register type	Electronic register		
Model	Equalis S or equivalent		
Environmental			
Ambient working temperature	min / max	-25°C, -40°C (option) / +55°C	-13°F, -40°F (option) / +131°F
Storage temperature	min / max	-40°C / +80°C	-40°F / +176°F
Certification			
ATEX	Zone 1 II 2 G – See note 1		
European metrology	CE /MID evaluation certificate n°LNE-11052X		
International metrology	OIMLR117-1, type compliance certificate n°LNE-24351		
Standards compliance	API. ASME. GOST. NATO - See note 2		

Note 1: See AC30 and Equalis S data sheet for Ex approvals characteristics.

Note 2: Contact us for further information about standards compliance

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Manufacturing facility

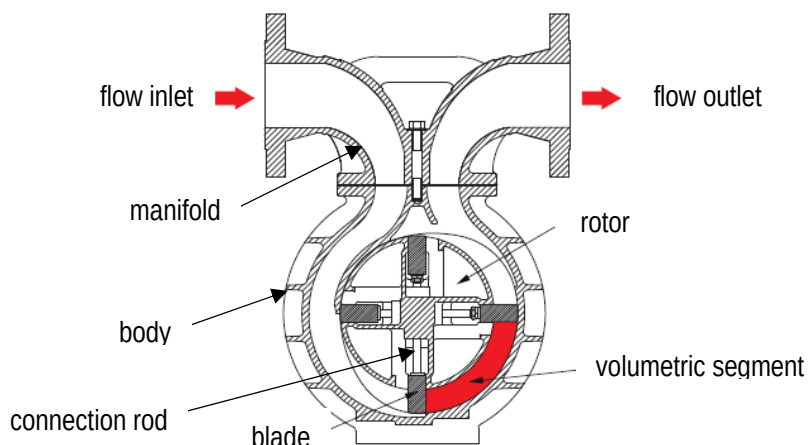
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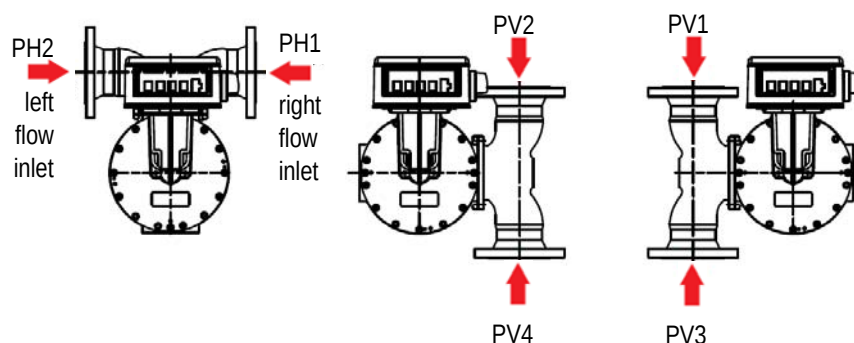
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Working principle



Flow direction and mounting



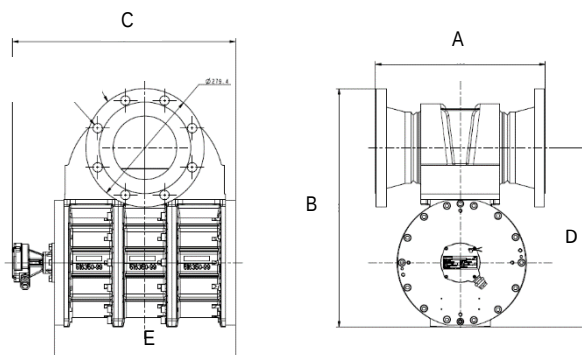
Dimensions and weight

Dimensions and weight are mentioned without electronic register.

Please refer to Equalis S data sheets for information

about dimensions and weight of electronic register.

Dimensions (mm)	ZC17-250
A (with flanges 6" ASA150 RF)	400
B	563
C	526
D	423
E	437
Weight (kg)	155



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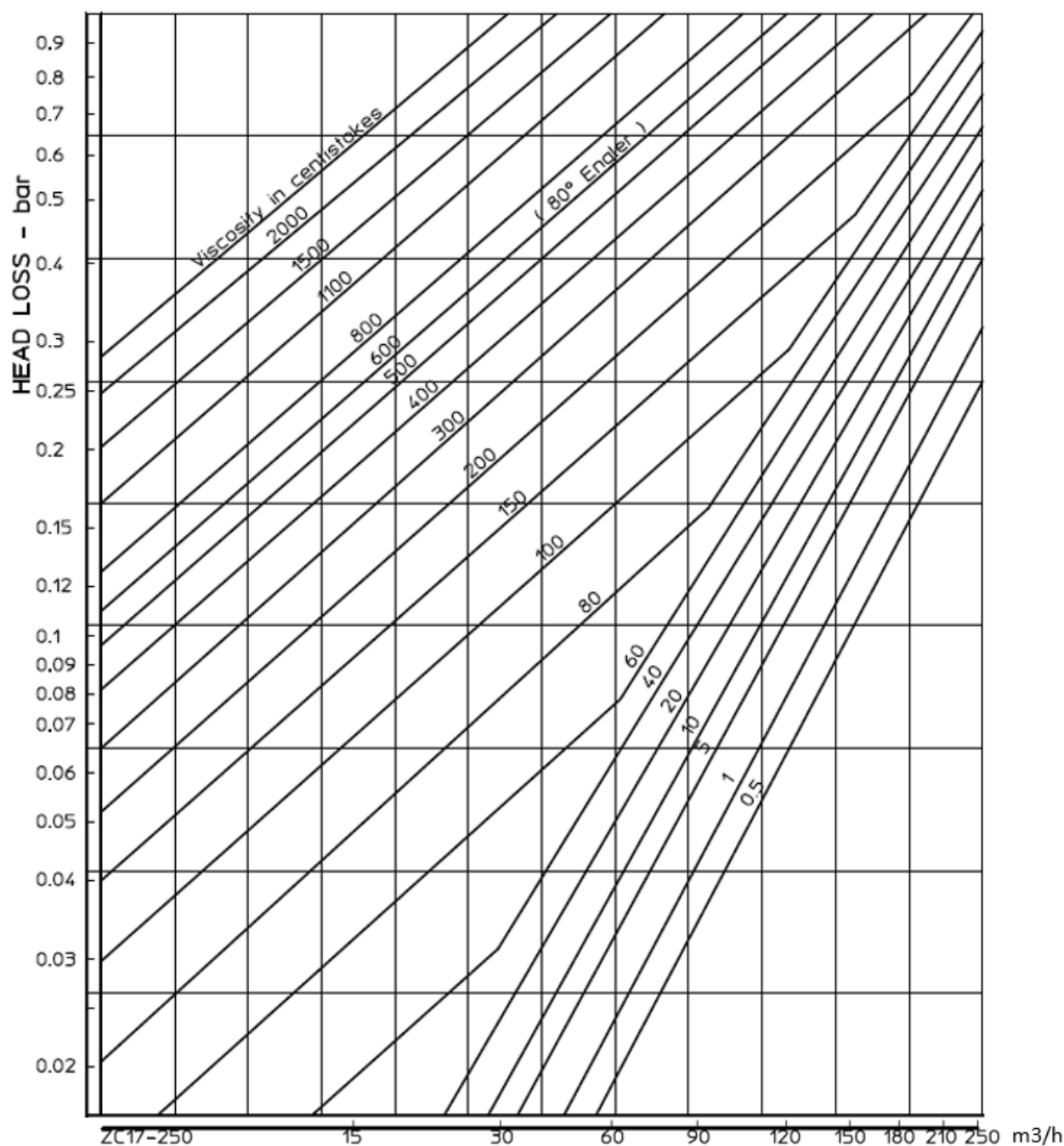
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Pressure drop chart

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