

Equipment	Positive Displacement meter		
Model	ZC17-12/25 with electronic register		
Performance characteristics			
Measured liquids	Liquid hydrocarbons, industrial oils, fatty acid esters		
Static pressure	max	15 bar	
Inlet pressure	max	8 bar	
Liquid temperature	min / max	- 10°C / +90°C	14°F / +194°F
Working flow rate	min / max	1,2m ³ /h - 20 L/min - 5,3 USGPM / 24m ³ /h - 400 L/min - 106 USGPM	
Liquid viscosity	max	20 mm ² /s (MID) - 800 mm ² /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 (1.2 m ³ /h, 12 m ³ /h, 24 m ³ /h)		
Manifold			
Connection nominal size	DN 50 / 2"		
Material	Cast aluminum (EC AN-42000 ST6) with protective coating		
End connection style	Satam flanges with welding counter flanges		
Flow direction/Mounting	PH2, PH1 – See attached document		
External coating	Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010 (option)		
Flowmeter body			
Body material	Cast aluminum (EN AC-42000 ST6) with protective coating		
Cap/end cover material	Carbon steel (EN 1.0625) with protective coating		
Seal/O-ring material	Viton		
External coating	Acrylic-Epoxy coating RAL5010, Marine Epoxy coating (option)		
Measuring chamber			
Displacement element type	Sliding vanes flowmeter		
Cyclic volume	0,33 L - 0,08 USG		
Blades / Blades connection rods	Graphite / Stainless steel		
Rotor	Aluminum (EN AC-42200)		
Bearings	Stainless steel (EN 1.4301)		
Swing joint	Viton, PTFE (option for low ambient temperature)		
Drive train and adjuster			
Drive type	Mechanical transmission		
Accuracy adjuster type	Calibration constants		
Pulses transmitter	Type AC30		
Temperature compensation type	With external Pt100		
Register			
Register type	Electronic register		
Model	Equalis S, other upon request		
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 / +55°C	-40°F / +131°F
Certification			
ATEX	Zone 1, II 2 G - See note 1		
European metrology	CE /MID evaluation certificate n°LNE-11052		
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 sheets for Ex approvals characteristics.

Note 2: Contact us for further information about standards compliance

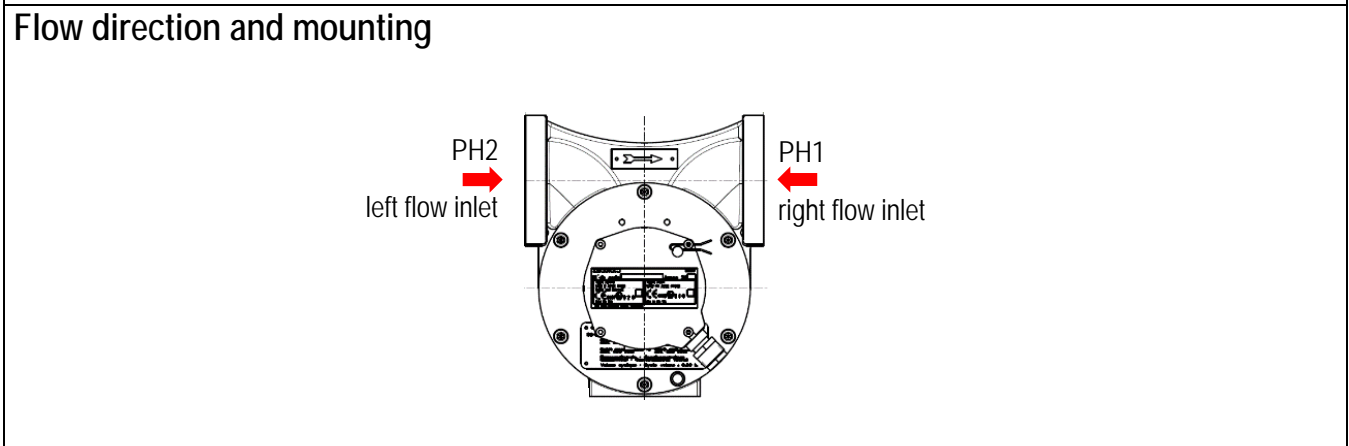
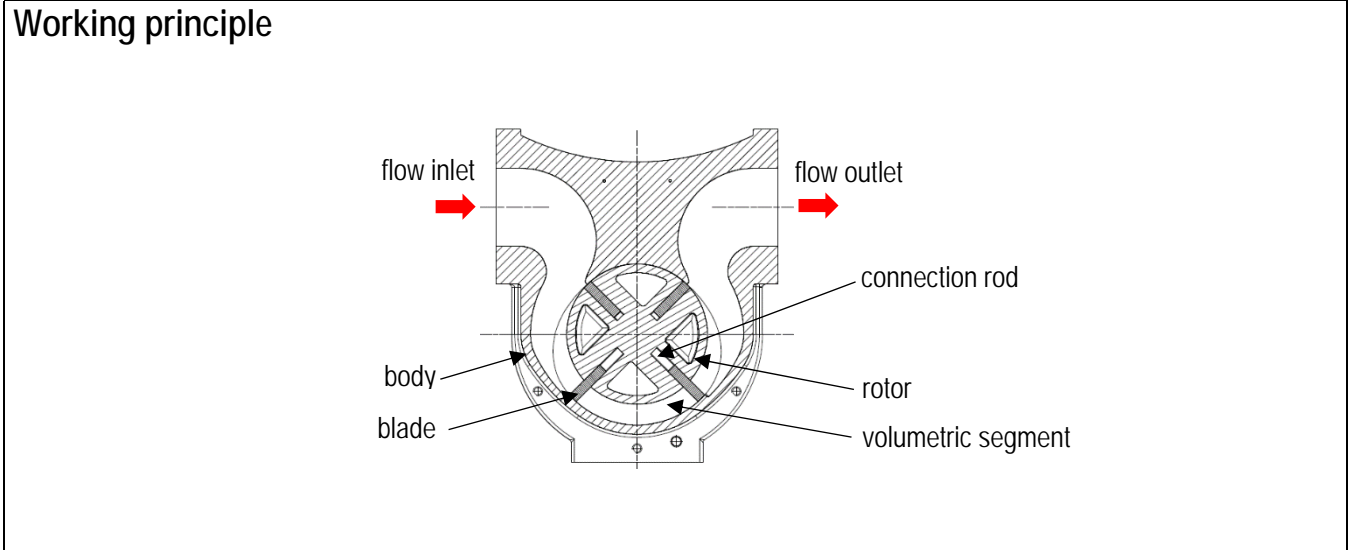
SATAM sas**Headquarters & Sales Department**

Paris Nord 2 – Bâtiment Le Gauvain
47, allée des Impressionnistes – BP85012 – Villepinte
95931 Roissy CDG Cedex – France
Tel : +33 (0)1 48 63 02 11 – Fax: +33 (0)1 49 38 41 01
Email : sales@satam.eu

Manufacturing facility

Avenue de Verdun
14700 Falaise – France
Tel : +33 (0)2 31 41 41 41
Fax : +33 (0)2 31 40 75 61

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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.

Technical drawings showing the dimensions of the meter. Dimension A is the total height, B is the height of the main body, and C is the width. A scale of 1:2 is indicated.

Dimensions (mm)	ZC17-12/25
A	180
B	213
C	186
Weight (kg)	10

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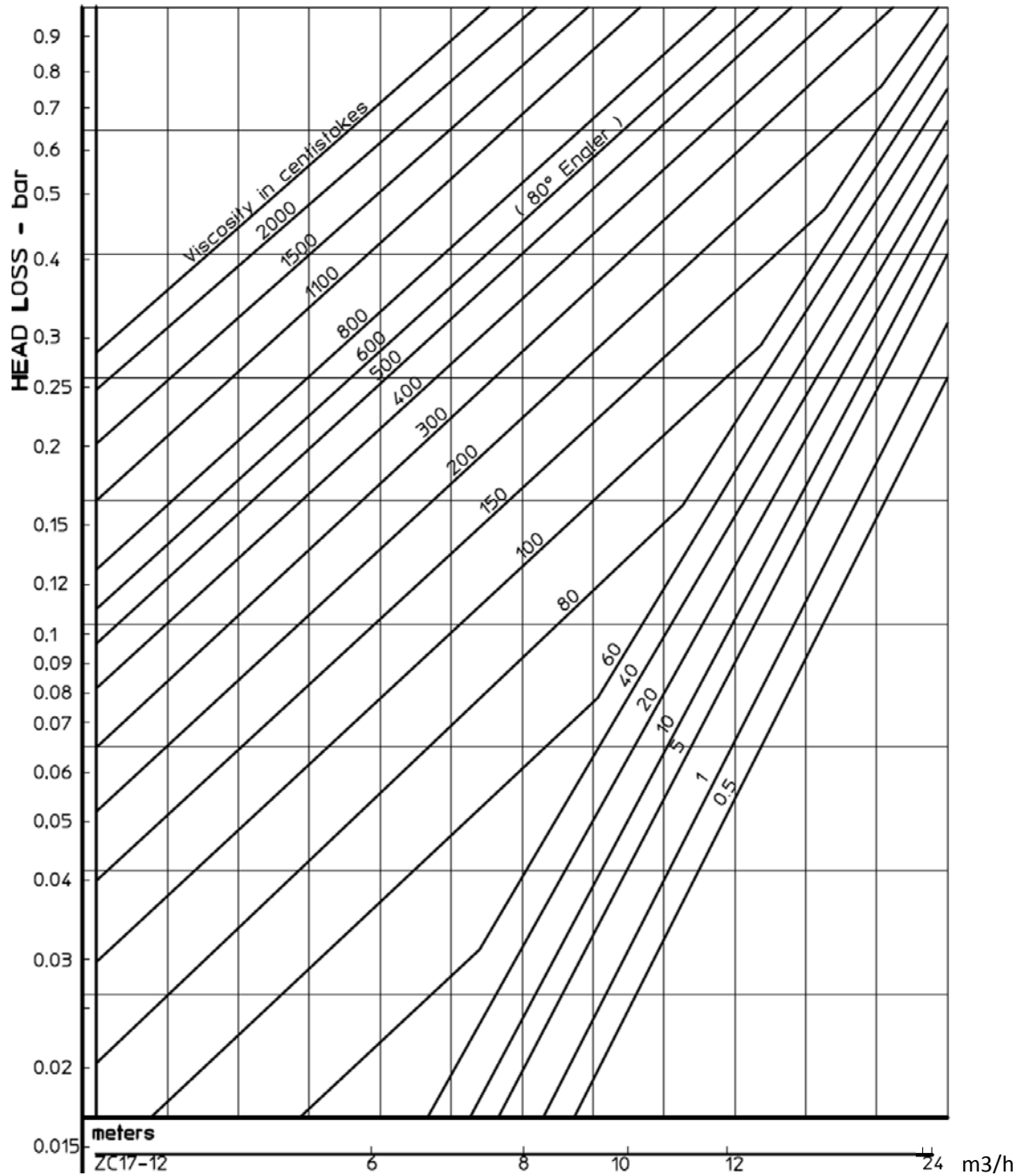
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Pressure drop chart

Nota: Maximum operating flowrate is 24 m3/h



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