

<b>Equipment</b>	<b>Positive Displacement meter</b>		
<b>Model</b>	<b>ZC17-12/25 with mechanical register</b>		
<b>Performance characteristics</b>			
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 <sup>3</sup> /h - 20 L/min - 5,3 USGPM / 24m <sup>3</sup> /h - 400 L/min - 106 USGPM	
Liquid viscosity	max	20 mm <sup>2</sup> /s (MID) - 800 mm <sup>2</sup> /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 <sup>3</sup> /h, 12 m <sup>3</sup> /h, 24 m <sup>3</sup> /h)		
<b>Manifold</b>			
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)		
<b>Flowmeter body</b>			
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)		
<b>Measuring chamber</b>			
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)		
<b>Drive train and adjuster</b>			
Drive type	Mechanical transmission		
Accuracy adjuster type	Mechanical adjuster AB40		
Pulses transmitter	NA		
Temperature compensation type	NA		
<b>Register</b>			
Register type	Mechanical register		
Model	VR7887, 5 digits – direct metering, differential metering (option), 6 digits (option)		
Accessories	Preset with valve, printer, pulses transmitter		
<b>Environmental</b>			
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
<b>Certification</b>			
ATEX	Zone 1, II 2 G		
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 1		

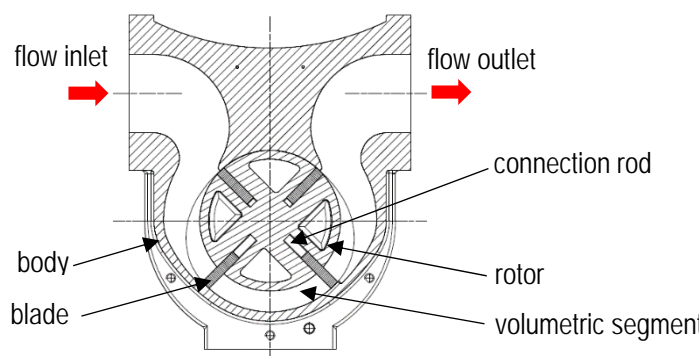
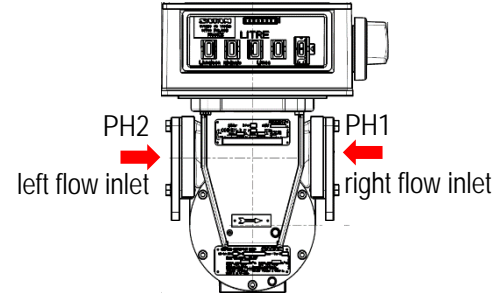
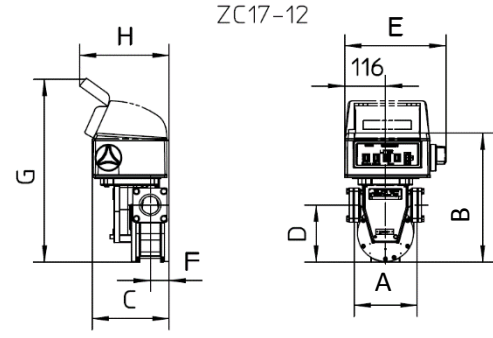
Note 1: Contact us for further information about standards compliance.

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<b>Equipment</b>	<b>Positive Displacement meter</b>																				
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<p><b>Working principle</b></p> 																					
<p><b>Flow direction and mounting</b></p> 																					
<p><b>ZC17 dimensions</b></p> <table border="1" data-bbox="135 1556 869 1870"> <thead> <tr> <th>Dimensions (mm)</th> <th>ZC17-12/25</th> </tr> </thead> <tbody> <tr><td>A</td><td>180</td></tr> <tr><td>B</td><td>368</td></tr> <tr><td>C</td><td>221</td></tr> <tr><td>D</td><td>163</td></tr> <tr><td>E</td><td>291</td></tr> <tr><td>F</td><td>54</td></tr> <tr><td>G</td><td>526</td></tr> <tr><td>H</td><td>256</td></tr> <tr><td>Weight (kg)</td><td>18</td></tr> </tbody> </table> 		Dimensions (mm)	ZC17-12/25	A	180	B	368	C	221	D	163	E	291	F	54	G	526	H	256	Weight (kg)	18
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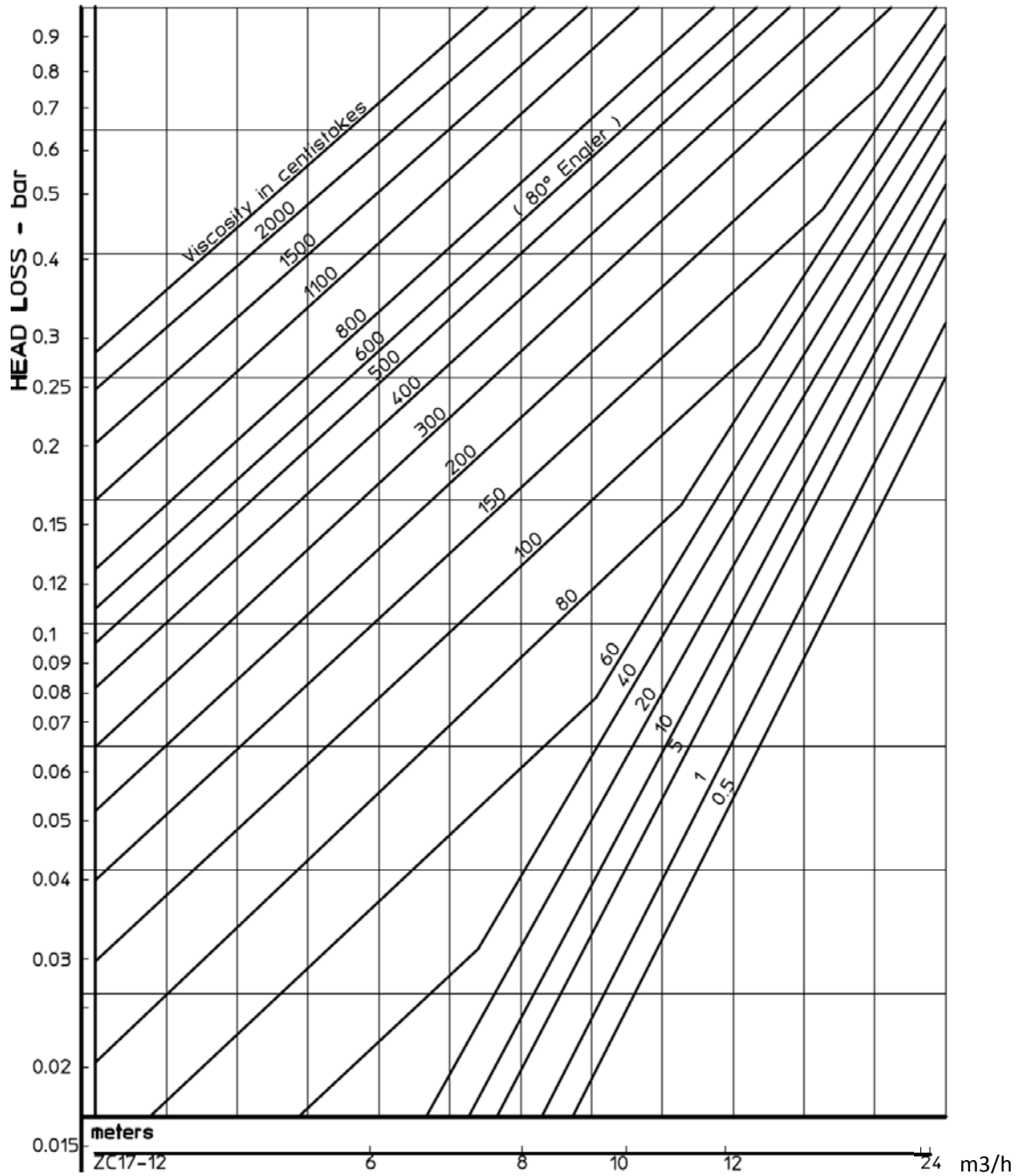
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**Pressure drop chart**

Nota: Maximum operating flow rate is 24 m3/h



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