

FLOW MASTER

Volumetric flowrate
meter and setting
device



Automatic Lubrication Systems

FLOW MASTER

**GB
USA**

FLOW MASTER is a flow volumetric device which allows the constant monitoring of the lubrication delivering.

As the measurements are volumetric, they don't depend on temperature or viscosity but they assure an accurate control without the need of any set up or compensation.

Liquid flowing through the meter module moves a "satellite" which describes fixed orbits. Every orbit is surveyed by an inductive sensor which transmits a signal to a control device. The operator may read the liquid delivering in litres per minute or the revolutions number per minute directly from the FACT 2000 device-display or from a PC monitor.

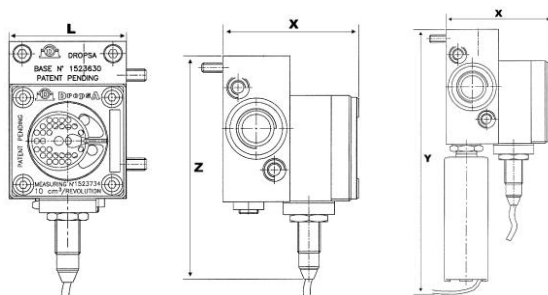


Base and meter module	
Maximum fluid viscosity	1000 cSt (4628 SUS) at operative temperature.
Operative temperature	from -20°C to +60°C (-4 F° to 140 F°)
Minimum pressure	6 bar (88,2 psi) in continuous working
Maximum pressure	20 bar (294 psi) in intermittent working (1 hour maximum working time)
Thread of the base	inlet G"1/2 BSP – outlet G" 3/8 BSP
Gasket	O' Ring in Viton
Bases and modules	Stainless steel AISI 316 or aluminum
Cover	Transparent polyamide
Maximum distance between flow meter and electronic control device	15 meters (5905,5 in.). The use of a shielded cable is recommended.

Flowrate server motor	
Power supply	12 V CC
Reduction ratio	392:1 – Maximum torque: 3 Kg. cm (6,6 lb in.)
Revolutions per minute without load	6 rpm
Revolutions per minute with maximum torque	5 rpm
Absorbed current without load	15 mA
Absorbed current with maximum torque	30 mA
Rotation direction	reversible

ORDER CODES							
	ITEM code manual version		METER MODULE code		Flowrate		Material
	NPN	PNP	NPN	PNP	cm ³ /turn	in.cu./turn	
1523950	1523730	1523870	1523734	1523874	5	0,3	STAINLESS STEEL
1523960	1523740	1523880	1523744	1523884	10	0,6	
1523970	1523750	1523890	1523754	1523894	20	1,2	
1523952	1523732	1523872	1523735	1523875	5	0,3	ALLUMINUM
1523962	1523742	1523882	1523745	1523885	10	0,6	
1523972	1523752	1523892	1523755	1523895	20	1,2	

BASIC MODULAR SYSTEM code motor-driven version	BASIC MODULAR SYSTEM code Manual version	THREADS		Material
		Inlet	Outlet	
1523630	1523330	G ½ UNI-ISO	G 3/8 UNI-ISO	STAINLESS STEEL
1523632	1523332	G ½ UNI-ISO	G 3/8 UNI-ISO	ALLUMINUM



Depth "X"		
Meter module 5 cm ³ (0,3 cu.in.)	60 mm	2,4 in.
Meter module 10 cm ³ (0,6 cu.in.)	67,5 mm	2,6 in.
Meter module 20 cm ³ (1,2 cu.in.)	82 mm	3,2 in.
Dimensions		
L	55,5 mm	2,2 in.
Z	126 mm	5 in.
Y	174 mm	6,8 in.

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