

CHARACTERISTICS

- **Ex II 2GD C IIC T85 °C IP65 CE CERTIFICATION**
- **VISCOSITY LUBRICANT: MINERAL OIL MIN 32 CST MAX1000CST; GREASE MAX NLGI00**
- **MATERIAL: GALVANIZED STEEL**
- **BY-PASS OPENING: 40 bar (588 psi)**
- **MAX OPERATING PRESSURE: 400 bar (5880 psi)**
- **MIN OPERATING PRESSURE: 10 bar (147 psi)**
- **MEASURED FLOWRATE 0,35 cm³/CYCLE NOMINAL (± 5%)**

FLOW METERING DEVICE ATEX



The Flow metering device is designed to volumetrically monitor small flow rates on low pressure lubrication systems.

Its operation is based on the progressive system operating concept. The displacement of a calibrated sequence of spools in the device, generated by the passage of the flow of oil, is detected by a proximity sensor.



A output signal is generated each time 0.35cc. is displaced and output through the device.

The device is mounted on a base plate that allows its removal, calibration and substitution without the need to disconnect tubing.

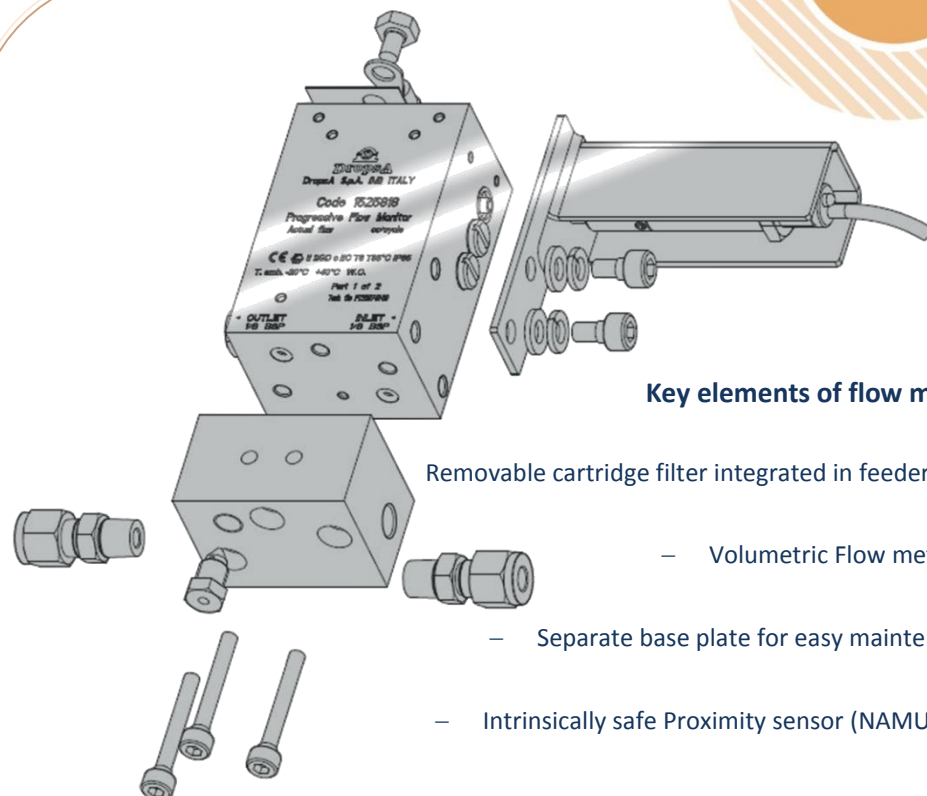
Additionally it incorporates a safety bypass system that allows oil to flow even if the device becomes blocked.

A Inlet filter is also included internally to protect contamination of the

THE PRODUCT IS SUITABLE FOR APPLICATIONS IN POTENTIALLY EXPLOSIVE ATMOSPHERES

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Dropsa offers a periodical calibration and certification service

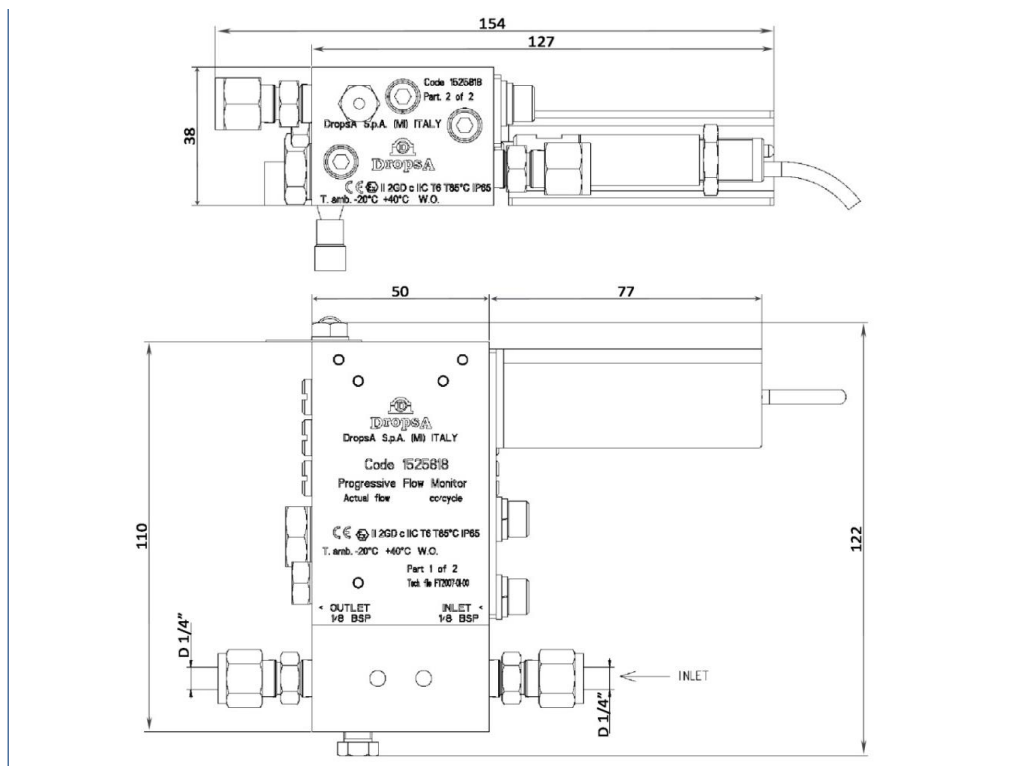


Key elements of flow meter:

- Removable cartridge filter integrated in feeder body
- Volumetric Flow metering
- Separate base plate for easy maintenance
- Intrinsically safe Proximity sensor (NAMUR NC)
- Integrated Flow Bypass in case of spool blockage.

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS	
Empty weight	2 Kg
ELECTRIC CHARACTERISTICS	
V max voltage supply	8 V DC
I max current consumed	<= 3mA
Type of protection	Intrinsically safe
HYDRAULIC CHARACTERISTICS	
Max. number of readings	100/min
Max. measured flow rate	35 cc/min
Flow rate for reading sensor	0.35 cc/cycle nominal
Min. operating pressure	10 bar (147 psi)
Max. operating pressure	400 bar (5880 psi)
by-pass setting pressure	40 bar (588 psi) differential pressure across measuring device
Outlet connection	G3/8" BSP
Removable filter cartridge	25 µ mesh
Temperature of use	- 20 ÷ + 40 °C
Operating humidity	90 % rel. humidity
Permitted lubricants	Mineral lubricating oil min 32 cSt max1000cSt; Grease max NLGI00
Storage temperature	-20 ÷ +60 °C



ORDERING INFORMATION

DESCRIPTION	CODE
Complete Flow metering device	1525818
SPARE PARTS DESCRIPTION	CODE
Sensor	1655212
25µ Filter cartridge	0712101
Flow rate control divider	1524879
Fixing plate for divider	1524881

Distributor Info: