

MIV10.2 INJECTOR FOR ADDITIVE & DYE

Volumetric injection module for incorporation of additive, dyes and lubricants in loading arms



MIV10.2



Product Certification



ISO 9001 : 2015



ATEX conformity
Zone 1 Gas group B



European certifications in accordance with directives concerning measuring instruments and equipment installed in explosive area

Application

Enables accurate injection of additives, dyes and lubricants in loading arms for flow rates from 50 to 500 l/h up to 140 cSt viscosity

- Arm finished product accomplishment
- Sampling

Constitution

- **Stainless steel drilled unit including :**
 - Oval wheel meter
 - Filter
 - Isolation valve
 - By-pass system for calibration device
 - Flow rate adjustment
- Pulse emitter 2H00
- Solenoid valve 230V
- Quick couplers for calibration (with or without calculator)

Product benefits

- "All in one" solution
- Compact size
- High accuracy metering for wide range of flow rate & viscosity
- Easy operation and installation
- Filtration and flow rate adjustment integrated
- Direct calibration device connection possible



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Key features

The volumetric injector module MIV10.2 has been specifically designed for professionals for use in the incorporation of additives, dyes and lubricants in hydrocarbon loading arms.

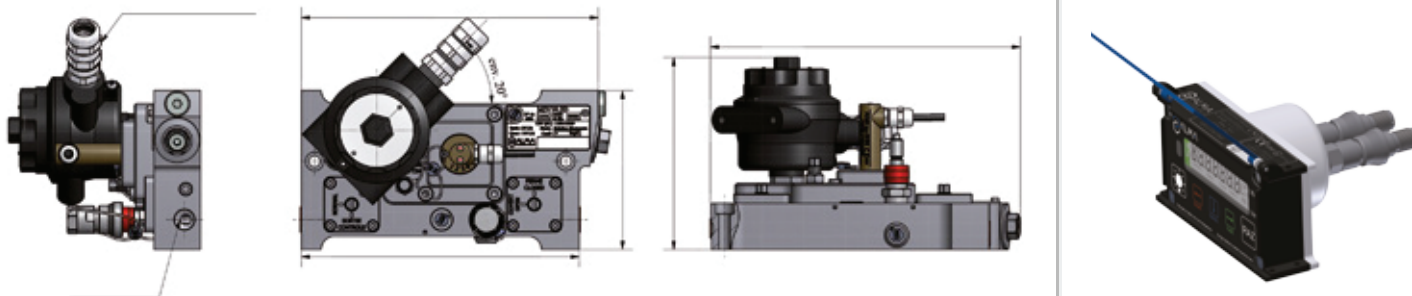
Its high technical design enables the grouping of all the components essential to the optimisation of injections. The MIV10.2 comprises, within a 316L stainless steel manifold, the components dealing with filtration, insulation, flow rate, metering, and rate of flow control. Without increasing its compact size, the addition of adaptors enables calibration test to be carried out.

In conjunction with the calculator, it enables an adjustable injection and provides a level of precision counting perfectly adapted to this use. Its compact size means several injectors can be used, as close as required to the loading arm, depending on the specific requirements of the user.

Quick-fit calibration adaptors enable the use of the ALMASCOPE calculator without interrupting the loading process. The calibration can be carried out without any risk of leaks or product loss.

MIV10.2		Pressure		Metering	
Liquid metered :	Additive, dyes or lubricants for refined hydrocarbons	Max. Pressure :	17 bars	Accuracy :	+/- 1%
Flow rates :	50-500 l/h 0,8-8,3 l/min	Differential pressure :	from 5 to 15 bars	Repeatability :	0,2%
Viscosity :	Up to 140 cSt	Pressure drop :	1 bar at 200 l/h (at 30 mm ² /s at 30°)	Pulse :	200 pulses per liter
Fluid temperature :	-10°C / +50°C			Emitter :	2H00 dual pulse (square signals 0-12V)
Construction		Solenoid valve		Options	
Body :	Inox 316L	Type :	Solenoid valve 2/2 NF 230 VAC	Version with only 1 calibration quick coupler	
Seals :	VITON	Power :	20 VA	Version with only 2 calibration quick couplers for ALMASCOPE use	
Process connections :	3/8" NPT				
Filtration :	External installation required 74µm (200 mesh)				
Weight :	8 kg				
Mounting :	2 x 8mm bolts				
Atex :	 II 2 G/D Ex d II C T4				

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