



TYPE APPROVAL CERTIFICATE

N. ELE206320CS

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system.

Description	Magnetic Float Level Switch
Type	VISCO / VISCOROL Series
Applicant	COLIMA Srl Via Mestre, 11 20063 Cernusco Sul Naviglio Italy
Manufacturer	COLIMA Srl Via Mestre, 11 20063 Cernusco Sul Naviglio Italy
Testing Standards	RINA Rules for the Classification of Ships.- Part C - Machinery, Systems and Fire protection. - Ch.3, Sect. 6, Table 1

Issued in **Genova** on **July 08, 2020**

This certificate is valid until **July 31, 2025**

RINA Services S.p.A.



Luigi Benedetti

This Certificate is digitally Signed



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Fitting			
VISCO LL	Side /Side	VISCOROL LL	Side /Side
VISCO LF	Side / Bottom	VISCOROL LF	Side / Bottom
VISCO LT	Side / Top	VISCOROL LT	Side / Top
VISCO TF	Top /Bottom	VISCOROL TF	Top /Bottom
VISCO R	Top tank	VISCOROL R	Top tank

“VISCO” Series

The Indicator’s body houses a float which rises or falls following the level of the liquid in the tank.

A float inside the indicator body moves in accordance with level of the liquid contained in the tank.

A magnetic transmission reading system, comprising a transparent sealed tube protected by a stainless-steel scale containing a twin color (white and red) magnetic indicator is assembled outside the indicator body.

The indicator is at the bottom of the scale when the tank is empty. It rises following the trend of the liquid as it rises, magnetically activated by the float. The separation point between the two colors indicates the level reached by the liquid inside the tank. Inversely as the liquid level decreases, the indicator descends towards the bottom.

Manual: IM-P329-02(2013); **Specification:** TI-P329-01 (2013)

Drawings:

Model	Dwg	Models	Dwg
VISCO 60 LL	LL 50.60.000	VISCO 70 LL	LL 50.70.000
VISCO 60 LF	LF 50.60.000	VISCO 70 LF	LF 50.70.000
VISCO 60 LT	LT 50.60.000	VISCO 70 LT	LT 50.70.000
VISCO 60 TF	TF 50.60.000	VISCO 70 TF	TF 50.70.000
VISCO 60 R	R 50.60.000	VISCO 70 R	R 50.70.000

Test Reports “VISCO” Series: NEMKO Test Report n. IND 02304-1/03 (10-12-03)

“VISCOROL” Series

The indicator’s body houses a float which rises or fall following the level of the liquid in the tank.

A float inside the indicator body moves in accordance with level of the liquid contained in the tank.

A magnetic transmission reading system, comprising a transparent sealed tube, protected by a stainless-steel scale containing a series of twin-color (white and red) magnetic rollers, is assembled outside the indicator body. When the tank is empty, all the rollers have the white side turned toward the observer. As the liquid rises, the rollers, magnetically activated, rotate themselves at 180°, showing their red side. The separation point between the two colors indicates the level reached by the liquid inside the tank. Inversely, as the liquid decreases, the rollers return to their white color.

Manual: IM-P329-02(2013); **Specification:** TI-P329-01 (2013)

Drawings:

Models	Dwg.	Models	Dwg.
VISCOROL 50 LL	LL 60.50.000	VISCOROL 60 LL	LL 60.60.000
VISCOROL 50 LF	LF 60.50.000	VISCOROL 60 LF	LF 60.60.000
VISCOROL 50 LT	LT 60.50.000	VISCOROL 60 LT	LT 60.60.000
VISCOROL 50 TF	TF 60.50.000	VISCOROL 60 TF	TF 60.60.000
VISCOROL 50 R	R 60.50.000	VISCOROL 60 R	R 60.60.000
VISCOROL 70 LL	LL 60.70.000	VISCOROL 40 LL	LL 60.60.000
VISCOROL 70 LF	LF 60.70.000	VISCOROL 40 LF	LF 60.60.000
VISCOROL 70 LT	LT 60.70.000	VISCOROL 40 LT	LT 60.60.000
VISCOROL 70 TF	TF 60.70.000	VISCOROL 40TF	TF 60.60.000
VISCOROL 70 R	R 60.70.000		

Test report “VISCOROL” Series: NEMKO Test Report IND 02304-1/03 (10-12-03)

Note: Before of installation on board, drawings including project datas (eg. dimension and materials) of the parts working under the operational pressure are to be sent for approval.

Optional: Magnetic level indicators VISCO and VISCOROL can be equipped with electrical contacts or potentiometers transmitters.

