# Level controllers and indicators CF3/ CF4 Series



- Tank height from 250 to 3000 mm
- Transmission: angle drive
- Fitting: male 2" BSP
- Head housing: IP 54
- 3 possible functions:

Direct reading With 1 to 3 contacts, potential free Output signal: continuous resistive signal (Ω)

## **APPLICATIONS**

Gauge for level display and filling control.

- Diesel in storage tank or day-tank
- Stored lubricating oil, glycol water, rainwater

Particularly suited to meet the needs and conditions of use for storage tank or day-tank of diesel generators.

### DESCRIPTION

The electric gauge is mounted above the tank.

Against the liquid height, the float transmits the level through an angle drive to a vertical stem. The stem actuates on a pointer associated with a graduated dial to display the level in the tank. Depending on the model, it can also act on contacts, and/ or a potentiometer which will deliver an ohmic value image of measurement.

The instrument is available with several functions:

- 1 continuous signal output (Ω)
- Display for direct reading of level
   For commodity, the level is visible on 2 opposite sides.
- 1 to 3 contacts (potential free)
   Option: on request up to 5 contacts

The complete system is supplied ready to install and to use.

## **TECHNICAL FEATURES**

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Flange seal Fitting Head housing Operating pressure Operating temperature Measuring distances	Steel, Nylon Float: Foamed PVC Cork gasket 2" BSP, male IP 54 Atmospheric Between 0 and 40 °C Model 1: From 250 up to 1100 mm Model 2: From 1100 up to 3000 mm
Scale: Contact(s)	Liters Default setting: Filling function: ON at 50 % and OFF at 80 % capacity (2-way contact, 10 A, 230 V, potential free) - High level: 90 % capacity (Change-over contact, 10 A, 230 V, potential free) - Low level alarm: 30 % capacity (Change-over contact, 10 A, 230 V, potential free) On request: Factory adjustment between 10 and 90 %.
Output, resistive signal	From 0 to 90 $\Omega$ (approx., ±15 %)



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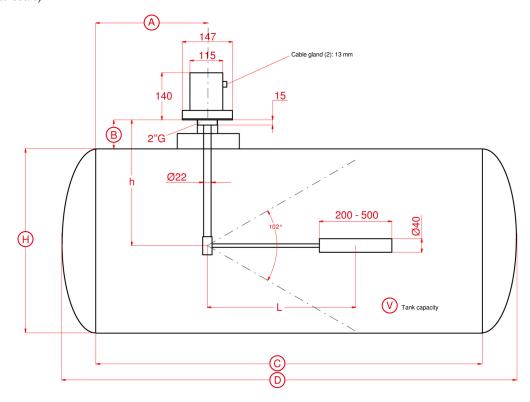
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# **CODE NUMBERS AND REFERENCES**

		Direct reading			Contacts		
Code	Reference		Output Ω	LOW Level	HIGH Level	ON/ OFF	
Model 1: dista	ance from 250 up to 1100 m	ım					
579 050	CF3	•	•				
579 054	CF3-1S	•	•	•			
579 058	CF3-2S	•	•	•	•		
579 070	CF4 RD SIA	•	•	•	•	•	
579 200	CF4	•		•	•	•	
579 220	CF20			•	•	•	
579 300	JLD20	•					
579 636	CF102			•			
579 641	CF103			•	•		
Model 2: Dista	ance from 1100 up to 3000	mm					
579 052	CF3 G	•	•				
579 056	CF3 G-1S	•	•	•			
579 060	CF3 G-2S	•	•	•	•		
579 072	CF4 RD SIA G	•	•	•	•	•	
579 210	CF4 G	•		•	•	•	
579 225	CF20 G			•	•	•	
579 304	JLD20 G	•					
579 637	CF102 G			•			
579 642	CF103 G			•	•		

## **DIMENSIONS**

Dimensional (not to scale)



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Dimensions A, B, C, D, H and V (tank volume) must be confirmed on purchase order. In case of a rectangular shaped tank, the width must be mentioned as well.



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