

# ■ ■ ■ HELIFLU™ TGN

**The Liquid Turbine Flowmeter  
for Road Tankers**

*To Optimize your Unloading Operations*



## **Main Applications**

On-Truck Unloading  
Refuelling Systems (Vehicle)



**FAURE HERMAN**

*Mastering the Flow*

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# On-Truck Compact Metering Solution

## Key Technological Features

- Robust construction
- Simple construction
- High measurement accuracy
- High reliability & stability
- Low pressure drop & back pressure
- Light weight
- Integrated flow conditioner



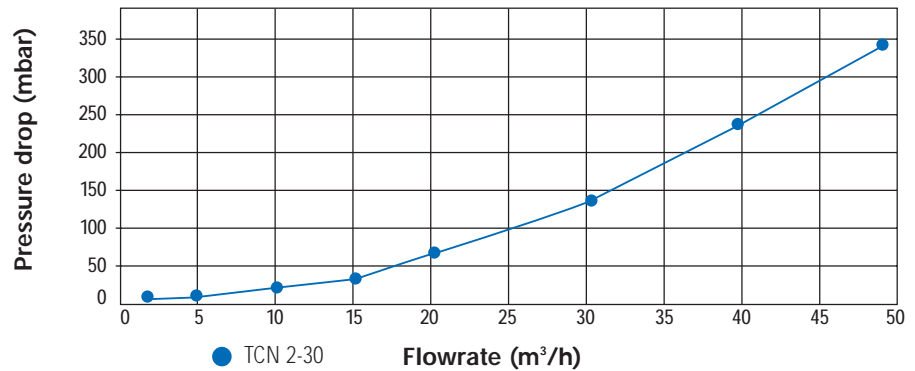
## Key Customer Advantages

- Secures revenue collection
- Low cost of ownership
- Compatibility with a wide range of electronics
- Compact flowmetering solution

## Measurement Principle

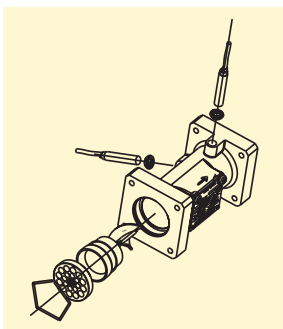
*TCN Turbine flowmeters are dedicated to accurate measurement of low to medium viscosity liquids for unloading activities. The simple concept combined with the weight and space savings, improves the installation and operations for the transfer of liquid hydrocarbons.*

*The operating principle for this flowmeter type rests on the rotational velocity of a helical bladed impeller, positioned at the middle point of the piping, by means of an assembly made of magnets (fitted in the blades) and Hall effect coils (positioned in the flowmeter body).*



## Specifications

Environment	
Process temperature range	- 10 to + 50°C (14 to 122 °F)
Max. pressure	up to 20 bar
Climatic protection	IP 67
Safety and Metrological Approvals	
	ATEX EEx ia IIC T6 LNE F-02-C-082
Mechanical	
Meter body material	Aluminium
Flange material	Aluminium
Impeller material	Plated Aluminium alloy
Connections	Square flanges (100 mm/3.93")
Length	180 mm (7.08")
Weight	2.5 kg (5.5 lbs)
Performances	
Accuracy	± 0.3 %
Repeatability	± 0.02 %
Flowrates	3 - 30 m³/h (50 to 500 LPM)
Ability to withstand overflowrates	1.2 x Qmax
Viscosity range	1.5 to 10 cSt



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