



**PIRAEUS MARINE SERVICES S.A.**

1, Charilaou Trikoupi Str.,

Piraeus 18536 GR

Tel: +30 210 4539189, +30 213 0342259

Fax: +30 210 4537341

pms@piraeusmarineservices.gr

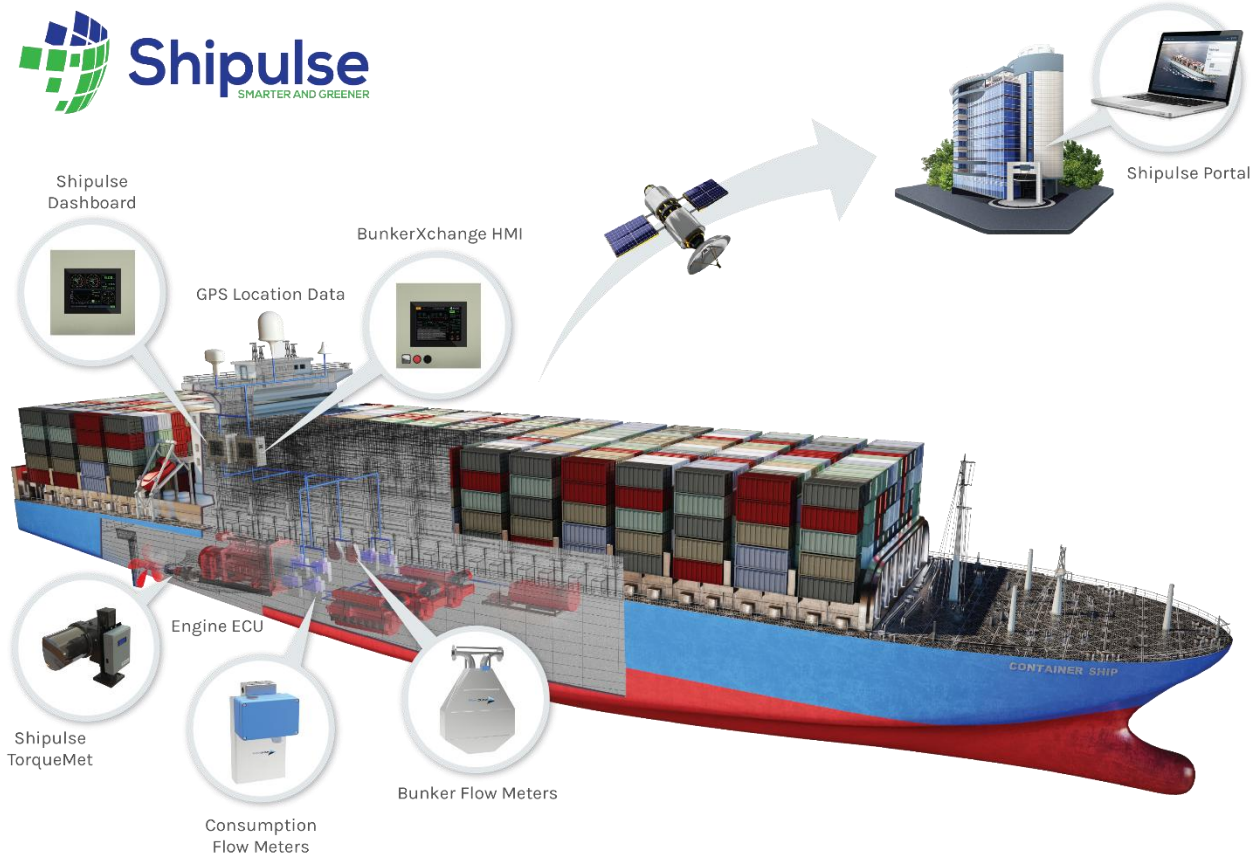
www.piraeusmarineservices.gr

## CORIOLIS MASS FLOW METERS

We are pleased to inform that PMS S.A. is now an agent of ASCENZ SOLUTIONS PTE LTD, a leading provider of vessel performance solutions in the maritime industry. Utilizing shipboard data and analytical tools, Ascenz equips fleet managers with the right management tools for system tracking and key metrics monitoring.

To date, the company has installed more than 1,200 mass flow meters and managed over 400 vessels across the world. Smart shipping is essential for data-driven decision making and **Ascenz' Shipulse Solutions** puts that vital shipboard data and analytical tools at your fingertips for optimized performance and efficiency across your fleet.

For more information, please visit their [website](#) or download their [brochure](#) and [video](#).



**CORIOLIS MASS FLOW METERS**



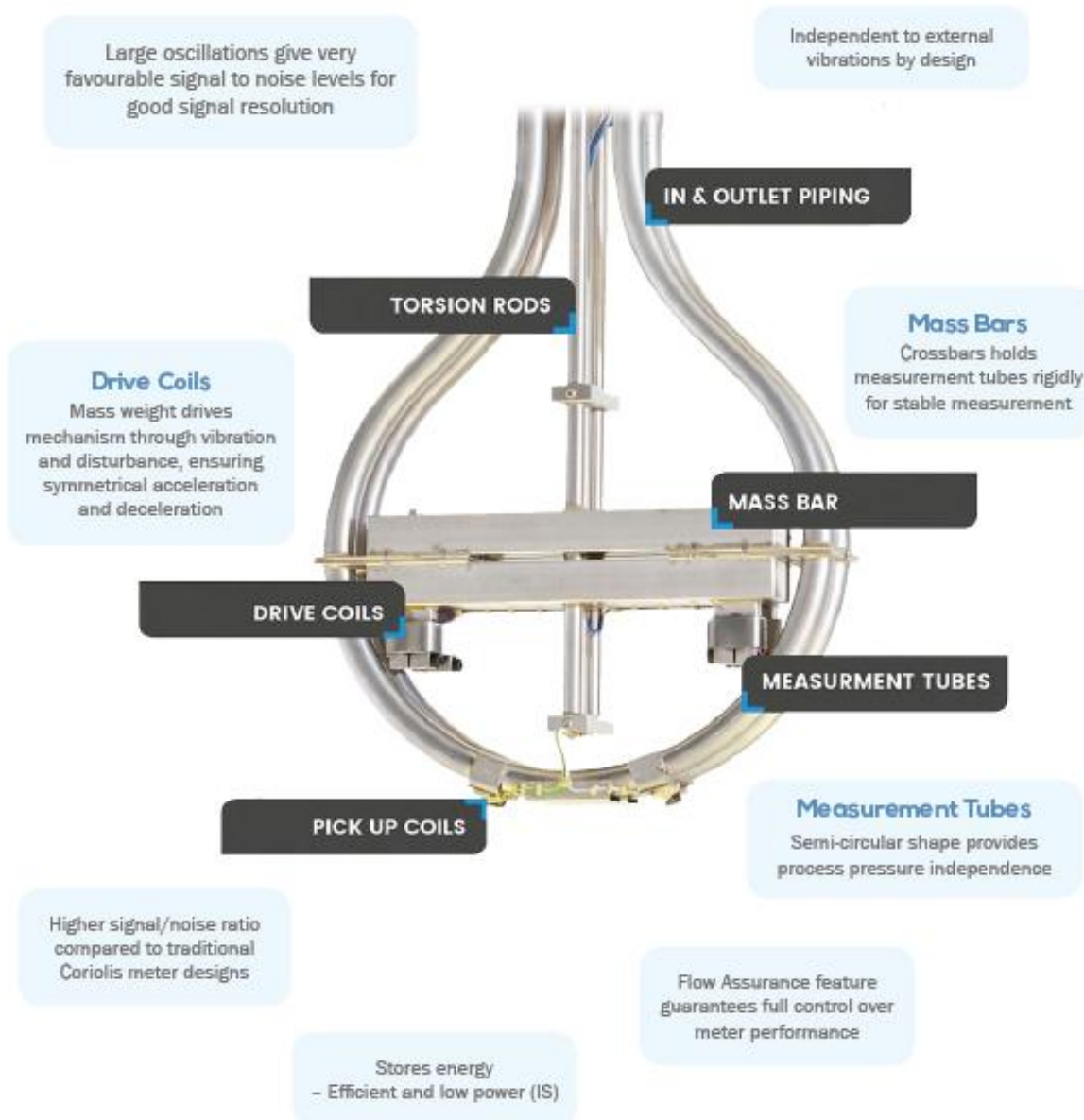
# Coriolis Mass Flow Meters

For highly accurate measurement performances

## Unmatched and unique Omega design Coriolis Mass Flow Meters

The starting point of any kind of best possible vessel performance management

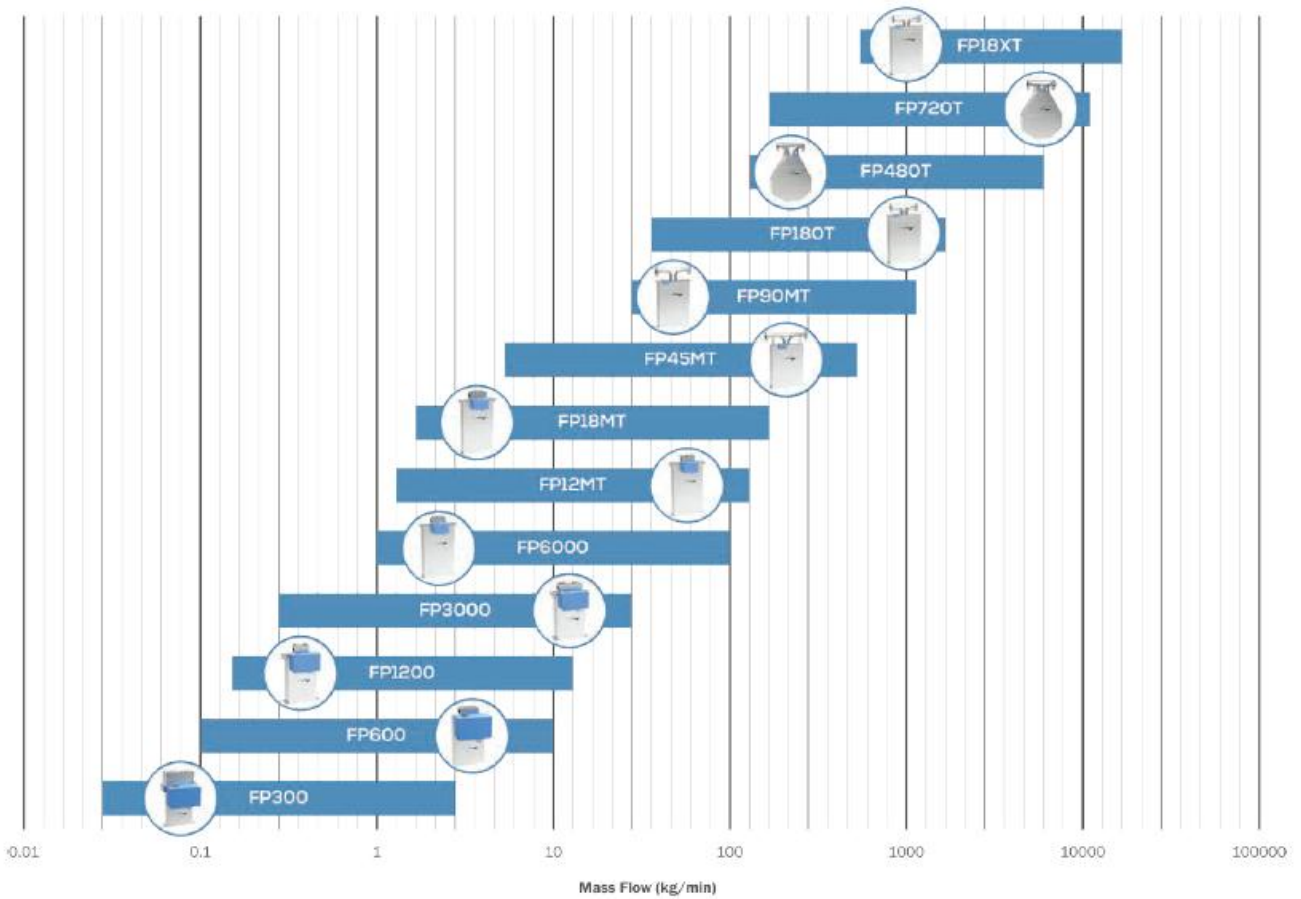
Perfectly designed for reliable and accurate measurements under challenging conditions:



## Technical Data

Measuring System	
Measuring Principle	Mass Flow Meter
Application Range	Mass Flow, Volumetric Flow, Density, Temperature
Accuracy	
Measuring Accuracy	± 0.20% of actual measured flow rate ± 0.10% of actual measured flow rate (Premium)
Density Accuracy	± 0.50% of actual measured density ± 0.10% of actual measured density (Premium)
Repeatability	Better 0.05%
Design of Construction	
FP300-FP45MT	Parallel Measuring, Removable Manifold
>FP45MT	Parallel Measuring Loops Seal Less Version
Sensors with integrated or remote transmitter *(integrated transmitter IP65)	Sensors (FP300-FP18XT): -20 °C to 120 °C (-4 °F to 248 °F)
Sensors with remote transmitter only.	Sensors (FP300-FP720T): -45 °C to 210 °C (-49 °F to 410 °F) Sensors (FP300-FP18XT): (Premium) -196 °C to 50 °C (-321 °C to 122 °F)
Power Supply	
FP16/26 Electronics	12 to 28 VDC, 3W
FP27 Electronics	100 to 240 VAC +/- 10% (48 to 62 Hz) 12 to 24 VDC +/- 10%
Outputs/ I/O, Communication	
FP16/26 Electronics	RS 485 (Modbus) only - no discrete outputs / or 4 Digital Outputs (Programmable – Pulse, Double Pulse, Error, Set-Points) + RS 485 / or 4 Digital Outputs (as above) + 1 Analog 4-20 mA (Flow, Dens. or Temperature) + RS485
FP27 Electronics	2*4/20mA, 2*Pulse/Freq, 2*DO, 2*DI, RS485 (Modbus) / or Standard HART - as standard plus HART
Harzardous Area	
FP16/26 Electronics Ingress Protection: IP20	Ex II 3 G Ex nA IIC T4 Gc
FP27 Electronics Ingress Protection: IP20 *(IP54 installed in cabinet)	ATEX approval Ex II(1) G [Ex ia Ga] IIC Use with ATEX sensor Ex II 2G Ex ib IIC T1-T6 Gb (Transmitter installed in safe area only)
Compliance	
Vibration	According Class Specification
EMC	According Class Specification

## Meter Range Overview



You may also download the 'CORIOLIS MASS FLOW METERS' [brochure](#) for more information.

Please do not hesitate to contact us as we would be pleased to assist you with any requirement you may have.

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Best Regards,

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