

ADRIANE TURBINE METER

Turbine meters dedicated to liquid petroleum measurement for tank truck, terminal, pipeline & mobile applications

► Application

Adriane Turbine Meters cover many petroleum applications such as:

- On truck metering solution : gravity and/or pumped
- Skid and pipeline metering
- Truck, barge & rail car loading/off-loading
- Mobile autonomous meter
- Master meter

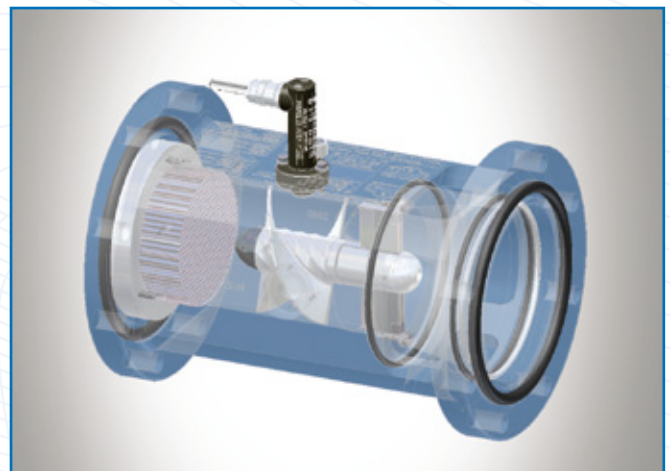
Constitution

ADRIANE Turbine Meter (MID)

- Size available: 1" 3/4 to 6"
- Body: Aluminum or stainless steel
- Rotor: Aluminum or titanium
- Bearing: Ceramic or carbon
- Pulse emitter: 2H00 (magnetic field) or 2B00 (double wound coil)
- Integrated flow conditioner
- Flanges: Square, TTMA, PN 16 to 50 or specific
- Different type of seals
- Different lengths
- Features: sight glass, pressure and temperature



Turbine DN100-150 Multi 373 PN20 L=490mm



Turbine DN100-80 Multi 241 TTMA

ALMA advantages

- **Material in conformity with Measuring Instruments Directive 2004/22/EC (MID)**
- High accuracy, repeatability and long life reliability
- Very low pressure drop for optimum flow rate
- Efficient double pulse transmitter (open collector)
- Flow conditioner integrated: no straight lengths required
- Both authorized vertical or horizontal installations
- Adaptable design
- Plug and Play connection with Electronic Calculator (Microcompt, UNI, etc ...)

► ALMA, certified products



ATEX Conformity
Zone 1



ISO 9001 : 2008



European Certifications in accordance with directives concerning measuring instruments and equipments installed in explosive area

► Technical specifications

Item #	Product Designation	Nominal Diameter (mm)	Flow (m³/h)		Liquids	Viscosity (mm²/s)	Max pressure (bar)	MID	Mechanical features	
			Min.	Max.					Flange	Body
8524	Turbine Adriane DN 32-25 Multi 232 1" 1/4 MF	32	2,5	25	Multi	13	25	No	1/4" M/F	Alu.
8012	Turbine Adriane DN 50-30 LPG 242 100x100	50	6	30	LPG	1	30	Yes	100x100	Alu.
8811	Turbine Adriane DN 50-30 LPG 242 90x90	50	6	30	LPG	1	30	Yes	LC	Alu.
8176	Turbine Adriane DN 50-30 LPG 242 BALC	50	6	30	LPG	1	30	Yes	Neptune	Alu.
8125	Turbine Adriane DN 50-30 LPG 312 PN16/PN20/PN40/PN50	50	6	30	LPG	1	30	Yes	PN16/20/40/50	S.S.
8047	Turbine Adriane DN 50-50 HFO 241 100x100	50	4	50	HFO	10	30	Yes	100x100	Alu.
8213	Turbine Adriane DN 50-50 HFO 311 PN16/PN20/PN40/PN50	50	4	50	HFO/AdBlue	10	30	Yes	PN16/20/40/50	S.S.
8013	Turbine Adriane DN 50-60 LPG 242 100x100	50	6	60	LPG	1	30	No	100x100	Alu.
8327	Turbine Adriane DN 50-60 LPG 312 PN16/PN20/PN40/PN50	50	6	60	LPG	1	30	No	PN16/20/40/50	S.S.
8032	Turbine Adriane DN 80-80 HFO 241 110x110	80	8	80	HFO	13	30	Yes	110x110	Alu.
8115	Turbine Adriane DN 80-80 Multi 241 110x110	80	8	80	Multi	13	30	Yes	110x110	Alu.
8780	Turbine Adriane DN 80-80 Multi 373 PN16	80	8	80	Multi/AdBlue	13	30	Yes	PN16	S.S.
1275	Turbine Adriane DN 80-80 Multi 373 PN20	80	8	80	Multi/AdBlue	13	30	Yes	PN20	S.S.
1293	Turbine Adriane DN 80-80 Multi 373 TW	80	8	80	Jet/Avgas	13	30	Yes	TW	S.S.
1200	Turbine Adriane DN 100-80 Multi 342 PN100	100	8	80	Multi	13	100	Yes	PN100	S.S.
8098	Turbine Adriane DN 100-80 Multi 241 TTMA	100	8	80	Multi	13	30	Yes	TTMA	Alu.
8019	Turbine Adriane DN 100-80 Multi 241-V TTMA	100	8	80	Multi	13	30	Yes	TTMA	Alu.
8885	Turbine Adriane DN 100-150 Multi 241 TTMA	100	15	150	Multi	13	30	Yes	TTMA	Alu.
1294	Turbine Adriane DN 100-150 Multi 373 PN20	100	15	150	Multi	13	20	Yes	PN20	St./S.S.
1295	Turbine Adriane DN 100-150 Multi 373 PN20 L=490 mm	100	15	150	Multi	13	20	Yes	PN20	St./S.S.
1296	Turbine Adriane DN 150-600 113 Multi PN100	150	60	600	Mono/Multi	13	100	Yes	PN100	St.
1292	Turbine Adriane DN 150-600 113 Multi PN20	150	60	600	Mono/Multi	13	20	Yes	PN20	St.

ATEX Certificate: ATEX II 2 G
Evaluation Certificate N°LNE-12393 (MID)



3" Turbine DN80-80 Multi 373 PN16



2" Turbine DN50-30 LPG 242 90x90



2" Turbine DN50-50 FOD 241 100x100



3" Turbine DN80-80 Multi 241 110x110



4" Turbine DN100-150 Multi 373 PN20 L490

