

## VPS LPG road tankers

### Flow metering systems - possible solutions

We currently offer **9 kinds** of technical solutions. All of them conform to valid standards and certifications according to MID (Measuring Instrument Directive) No. 2004/22/EC requirements.



**1**  
VPS/MS/LPG mass flow metering system – the most modern system assembled from EMERSON brand components. The most frequently used system in CZ, PL, SK, D, RU, BY, LT, LV, EST and UA markets.



**2**  
FLOWCOM 2000: flow metering system operating on the basis of effective pressure measurement, most often used in Germany and Austria.



**3**  
ALMA turbine flow metering system, popular in France.



**4**  
Mechanical flow meter with PERNIN electronic head, popular in France.



**5**  
Combination of Liquid Controls mechanical flow meter MA-7 with Horn Tecalemit electronic head.



**6**  
Combination of Liquid Controls mechanical flow meter MA-7 with S.A.M.P.I. electronic head, used mainly in Poland, Romania and Bulgaria.



## VPS LPG road tankers



7 Mass flow metering system with S.A.M.P.I. electronic head, most often used in Poland and Ukraine.



8 Liquid Controls mechanical flow meter MA-7-GX-10, the most frequent flow metering solution on road tankers, currently on the decline. Most often used in all LPG markets.



9 Liqua Tech mechanical flow meter LPM-200 – supplied mainly to Russia and Ukraine. Not MID certified.

### Technical parameters for all systems:

Liquid measured	LPG
Mechanical Environment class	M3
Accuracy class	1,0
Min/max Temperature liquid	-20°C / +50°C (-40°C / +50°C)
Min/max Temperature range ambient	-25°C / +55°C (-40°C / +55°C)
Flow rates	40-450 kg/min
Flow rates	80-860 L/min
Min/max pressure	2 bar / 25 bar
Min measured quantity	200 (450) kg (L)

