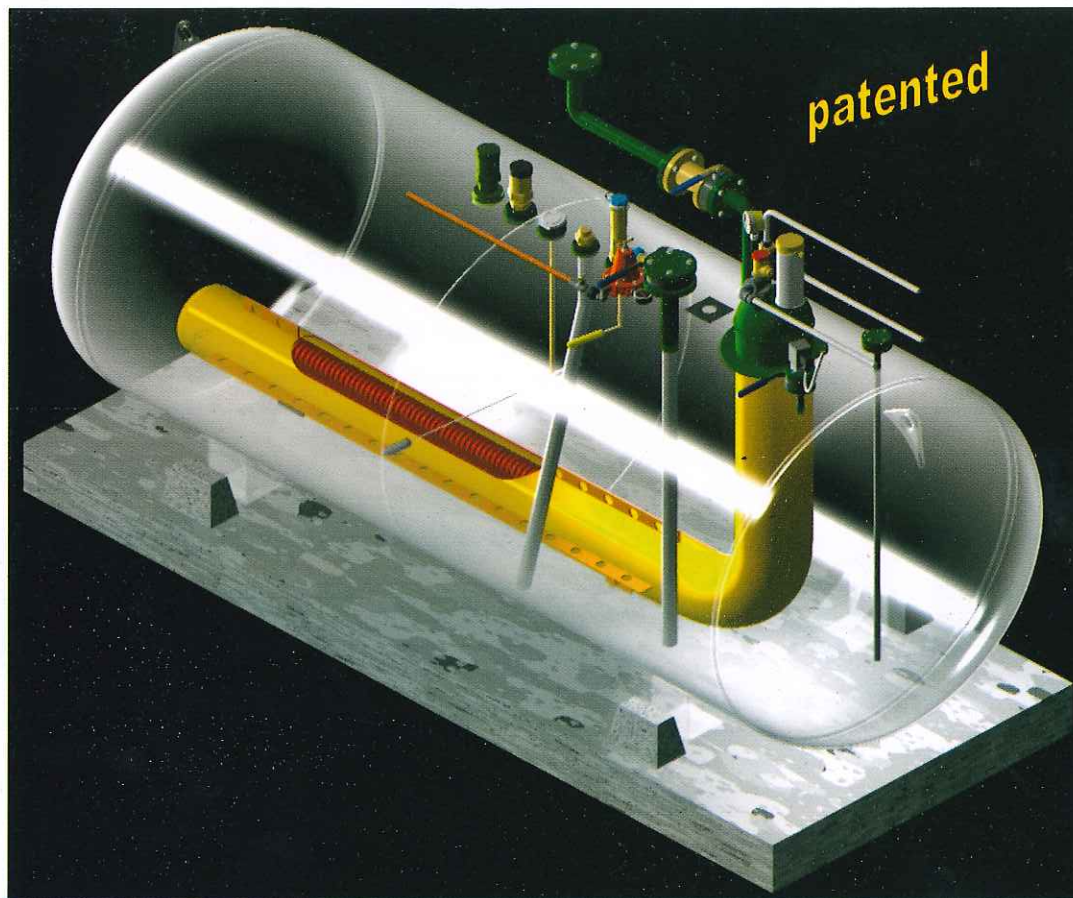


LPG STORAGE TANK WITH INTERNAL HEATER



Horizontal tank, capacity 3 - 5 - 10 - 12,5 mc for underground installation model "NATURA" with epoxy coating and cathodic protection CE marked according to Directive 97/23/CE (P.E.D.)

The internal heater is composed of a shell and pipe heat exchanger, positioned in the bottom of the tank, that allows, in a simple and absolute safe way, the "controlled" vaporization of LPG with running costs extremely low when considering the throughput that can be obtained (up to 300 Kg/h).

Heat exchanger and control instruments (pressostate, thermometer, electric panel EExi) are included in the declaration of conformity to 97/23/CE Directive (P.E.D.) and 94/9 CE (Atex) and therefore the tank installation is straightforward without any additional paperwork or "Declaration of incorporation" necessary when two or more CE marked items (for example an external vaporizer and a LPG storage tank) are connected together.

TECHNICAL CHARACTERISTICS

TANK		HEATING DEVICE	
Design temperature	-25+50 °C	Temperature heating fluid (water)	max 80 °C
Design pressure	17.65 bar	Temperature service fluid (water+glicol)	max 50 °C
Hydraulic pressure test	25.24 bar	Temperature L.P.G.	max 40 °C
P.E.D. Marking	CE ₀₁₀₀	Pressure heating fluid (water)	max 3 bar
ATEX Marking	Ex II 3G	Throughput heating fluid (water)	min 20 lt/min

REFERENCE RULES	
Design and Manufacturing	EN 14075
Non Destructive testing	EN 1714 – EN 473 – EN 14075
Installation and Operation	D.M. 14/05/2004 – D.M. 29/02/1988
Welding	EN 288-3 and EN287-1
Cathodic protection	EN 12954 – EN 13636
Electric instruments	Directive 94/9/CE (ATEX) – EN 50014 / 50020 / 60439-3



Instruments and accessories for control of the heat exchanger



Standard safety and service instruments



Electric Panel with Zener barrier

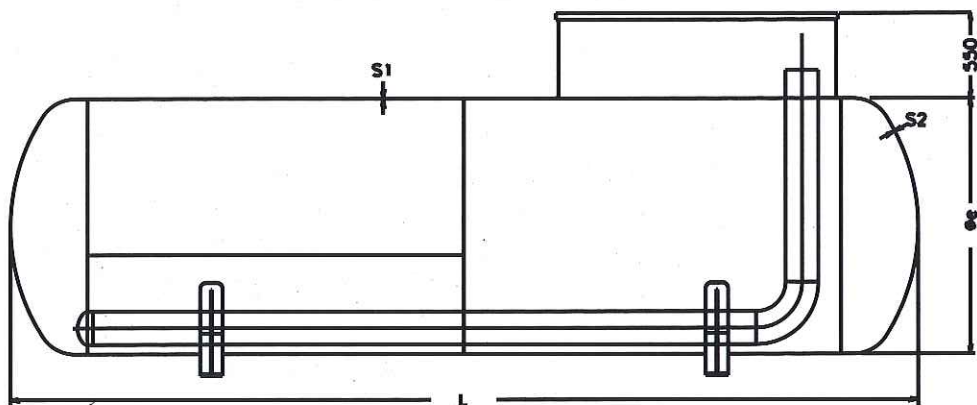


Kits 1st stage pressure reduction
Single line 100 -200 Kg/h (above) Double line 150-300 kg/h (side)



GAS THROUGHPUT TABLE

H ₂ O from boiler (mc/h)	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
Temperature hot water in (°C)	85	80	75	70	65	60	55	50	45	40
Temperature mix water+glicol in shell (°C)	50	48	46	44	42	40	38	36	34	32
GPL erogato dal serbatoio (kg/h)	240	220	200	180	160	140	120	100	80	60



OVERALL DIMENSIONS

TANK LT 3.000				TANK LT 5.000				TANK LT 10.000				TANK LT 12.500			
L	φ _e	S1	S2	L	φ _e	S1	S2	L	φ _e	S1	S2	L	φ _e	S1	S2
2700	1200	6,3	6,5	4700	1200	6,3	6,5	4910	1700	10	10	5910	1700	10	10

Direzione
Via Cancelleria 32
00040 Ariccia - ROMA (Italy)
Tel. ++39 06 9343210 r.a.
Fax ++39 06 9343481

Stabilimenti
Via Cancelleria, 32 - Ariccia (RM)
Via Quarto Negroni snc - Ariccia (RM)
Via Ragusa, 1 - Albano Laziale (RM)
e-mail: info@plinoxotar.it
internet: www.plinoxotar.it