

**lapesa**

# ГАЗГОЛЬДЕРЫ ИСПАРИТЕЛИ



[www.lapesa.nt-rt.ru](http://www.lapesa.nt-rt.ru)

**По вопросам продаж и поддержки обращайтесь:**

Архангельск (8182)63-90-72  
Астана +7(7172)727-132  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Казань (843)206-01-48

Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

сайт: [www.lapesa.nt-rt.ru](http://www.lapesa.nt-rt.ru) || эл. почта: [pse@nt-rt.ru](mailto:pse@nt-rt.ru)

## **FORCED VAPORIZATION**

- Tanks with internal vaporizer
- Tanks with atmospheric vaporizers
- **“FEED OUT”** vaporizers
- Modular vaporization units
- Modular heating units

These systems add forced vaporization to the natural vaporization capacity of the tank, for installations with high consumption and space restrictions.



**Tanks with internal vaporization:** Tanks with removable heat exchanger built into the bottom part of the tank for forced LPG vaporization, for connection to water heating circuit via a heating boiler.

Optionally the tank can be supplied with the valve equipment already fitted, pneumatically tested and with nitrogen inerting of the tank. At the customer's request the tanks can be supplied with a gas train to regulate consumption in a stainless cabinet or on a support frame.

**Modular heating units for tanks with internal vaporizer:**

Complete heating modules ready for connection to the LPG tank internal vaporizer. These units comprise a wall-hung condensation boiler and electrical control and protection cabinet, totally installed in a metal booth with all of the necessary valves and pipes for connection and start-up.

**Modular vaporizers:** Own design LPG "Feed-out" vaporizers. Vaporization capacities from 500 to 5.000 Kg/h.

**Modular vaporization units.** Equipment with complete modular vaporizer installed inside metal booth, with the necessary valves and pipes for connection to the heating module and consumption system.

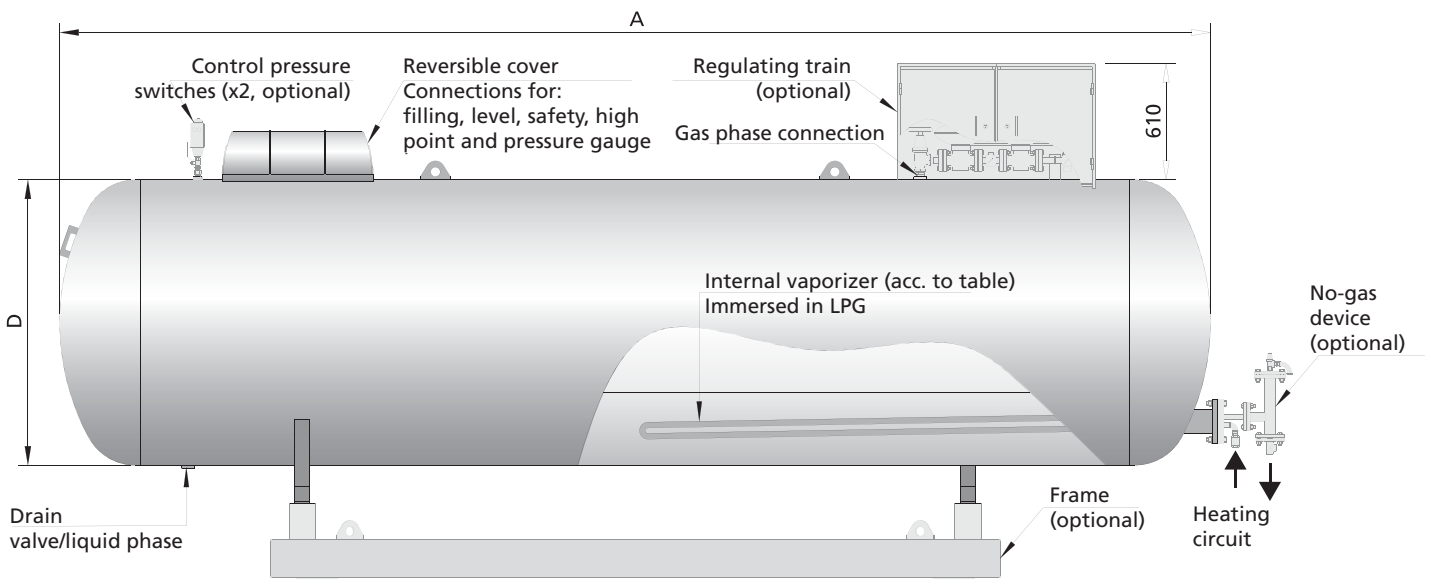
**Heating control units for modular vaporizers:**

Complete heating modules, ready to be connected to the modular vaporization units.

They comprise a heating boiler and electrical control and protection cabinet, fully installed in a metal booth with the pumps, valves and pipes required for connection and start-up.

lapesa  
*Solutions*





Drawing of aboveground tank. Models according to table (Example: LPVI 4880A+VIA300)

Vessels according to Lapesa’s standard models, with removable internal vaporizer. Different vaporization capacities for each volume (see table) Heat provided via heating circuit.

Lapesa has heating modules for installation with this unit (see page 32).

This unit incorporates the benefits of a FEED BACK system and takes advantage of the natural vaporization of the tank.

The tank’s safety valves must be capable of discharging both natural and forced vaporization, which means they may vary between models from those of a standard tank without an internal vaporizer.

The rated vaporization values indicated in the tables are only valid for tanks with 20% minimum degree of filling, which guarantees that the vaporizer is submerged in LPG.

Optional items:

- Frame for tank.
- NO-GAS device. Prevents gas input to heating circuit in the event of a connection between the two.
- Gas control line.
- Other options.

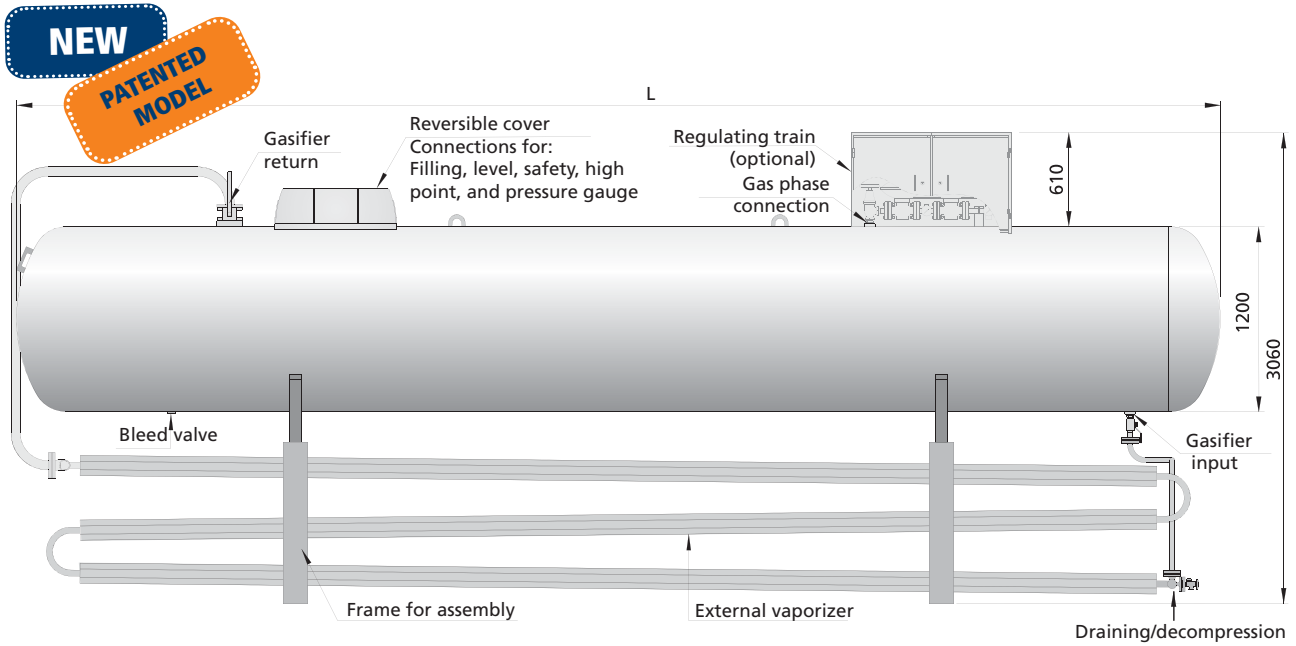
**CHARACTERISTICS TABLE**

Basic LP <sup>(1)</sup> model	Volume	D (ø)	Vaporizer model						
			VIA 150	VIA 300	VIB 500	VIC 1000	VIC 1500	VIC 2000	
			Vaporization capacity (Kg/h)	150	300	500	1000	1500	2000
Minimum boiler power (KW)			17.5	35	58	117	175	233	
LPVI 4000A	4.000	1.200	X						
LPVI 4880A	4.880	1.200	X	X	X				
LPVI 6650A	6.650	1.200	X	X	X				
LPVI 8334A	8.334	1.200	X	X	X				
LPVI 10A	10.000	1.500	X	X	X	X	X		
LPVI 13A	13.000	1.500	X	X	X	X	X	X	X
LPVI 16A	16.000	1.500	X	X	X	X	X	X	X
LPVI 19A	19.000	1.500	X	X	X	X	X	X	X
LPVI 22A	22.000	1.500	X	X	X	X	X	X	X
LPVI 20A	19.900	1.750	X	X	X	X	X	X	X
LPVI 24A	24.450	1.750	X	X	X	X	X	X	X
LPVI 34A	33.600	1.750	X	X	X	X	X	X	X
LPVI 33A-22	32.900	2.200	X	X	X	X	X	X	X
LPVI 50A-22	49.500	2.200	X	X	X	X	X	X	X
LPVI 59A-22	59.400	2.200	X	X	X	X	X	X	X
LPVI 50A-24	50.000	2.450	X	X	X	X	X	X	X
LPVI 59A-24	59.200	2.450	X	X	X	X	X	X	X

(1) (Rest of data like std. models)

**NOTES**

- For details of natural vaporization with different tanks: please consult pages 26 and 27.
- Data valid for commercial propane only.
- Vaporization capacity decreases for gas delivery pressures of more than 3 bar (please consult)
- For ambient temperatures of less than -10°C, boiler power must be increased.
- Other volumes and capacities can be configured (please consult).
- Also available with ASME. stamp.
- Units for underground installation can be designed and manufactured upon request. (Please consult).



Drawing of a 180Kg/h (propane) gasifier with a 8334-litre capacity tank.

### CHARACTERISTICS

Propane tank that incorporates external vaporizer.  
This system increases the natural vaporization capacity of tanks.  
A heating circuit is not required. Vaporization is by heat exchange with the atmosphere.  
Uses feed-back system. Maintenance-free.

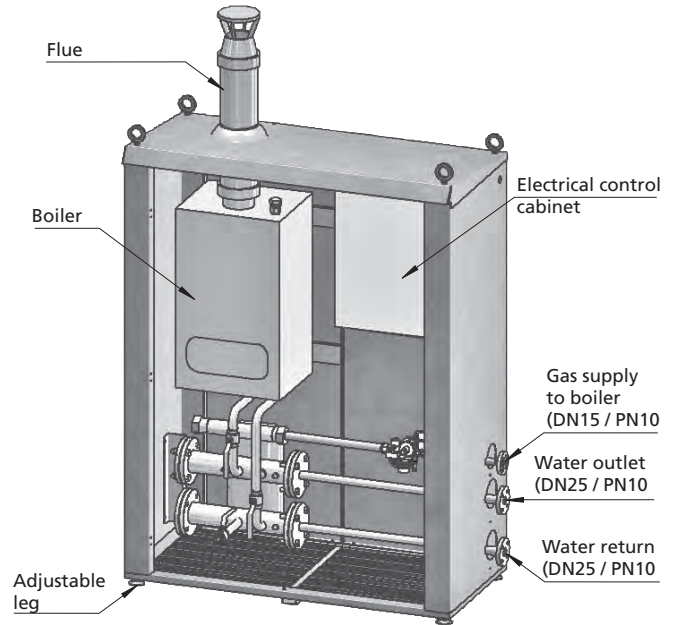
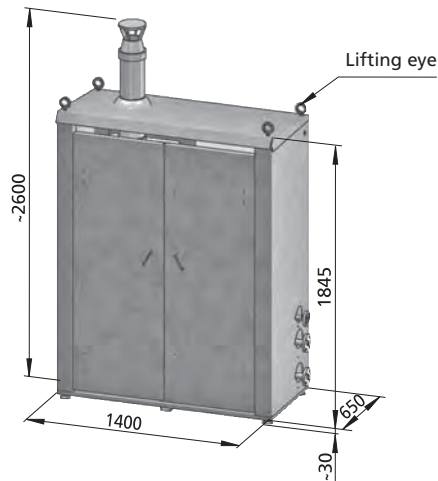


### COMPACT HEATING UNITS FOR TANKS WITH INTERNAL VAPORIZER

Unit comprising a tight wall-hung condensation boiler fully equipped to operate with propane gas, an electrical cabinet and all of the necessary pipes and valves for its connection to the tank with internal vaporizer. The whole unit is housed in a booth equipped for its connection and start-up.

**CHARACTERISTICS TABLE**

Model	Boiler power (kW)	Weight (Kg.)	For internal vaporizers	
VPC30C	45	265	VIA 300	VIA 150
VPC60C	65	275	VIA 500	

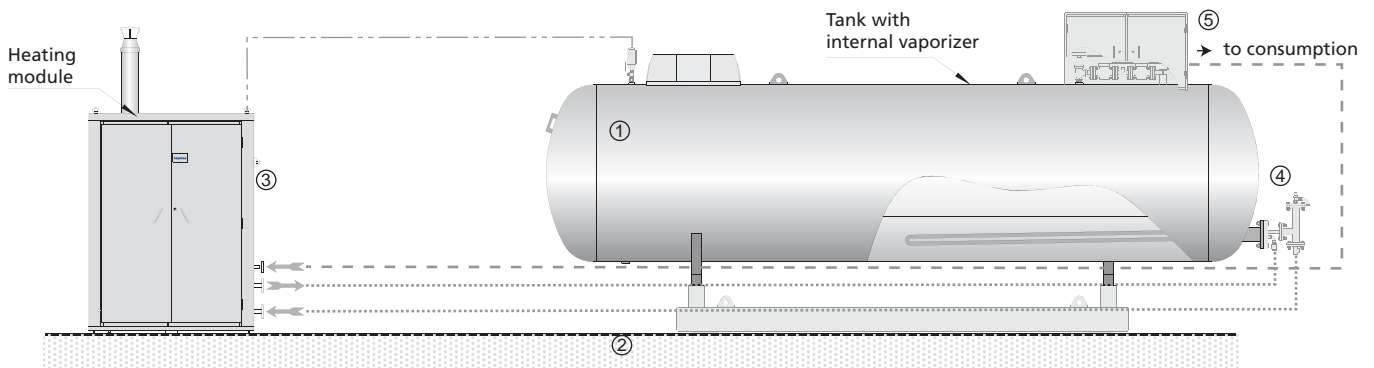


### TANK WITH INTERNAL VAPORIZER + MODULAR HEATING UNIT

Set comprising:

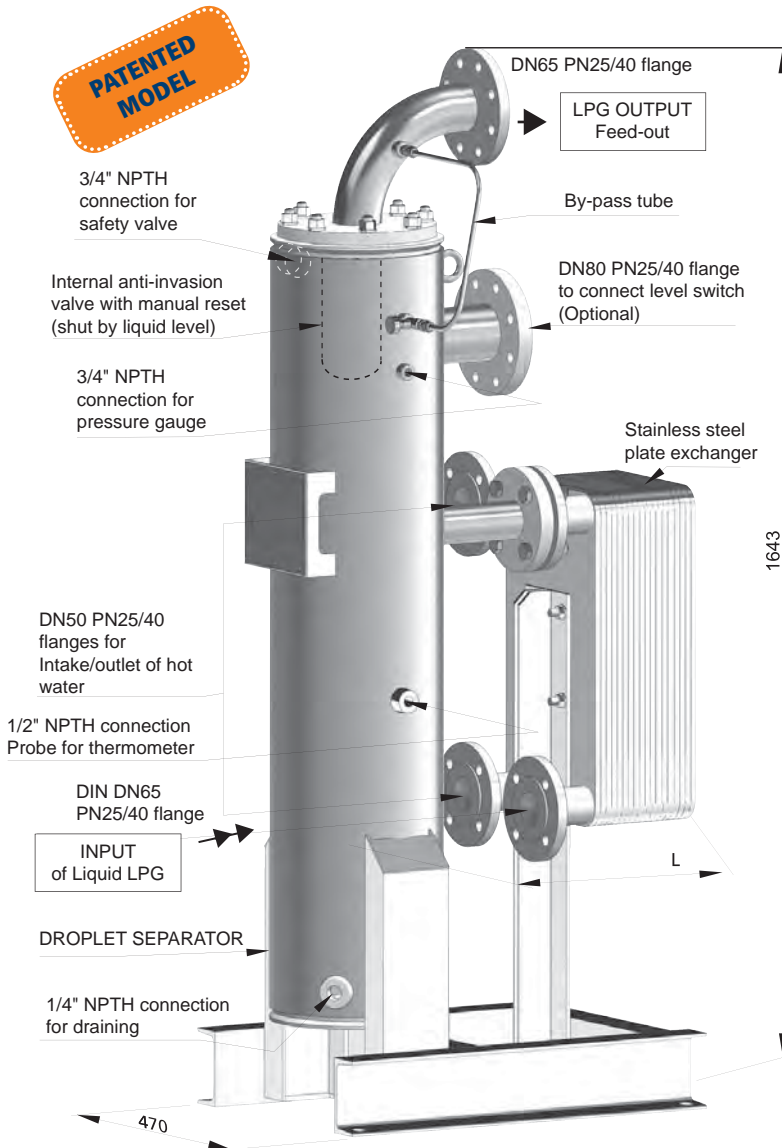
- 1- Tank with internal vaporizer with full valve equipment and control train to consumption.
- 2- Support frame.

- 3- Heating module.
- 4- No-gas device.
- 5- Gas control line.



Installation to be carried out at destination site:  
 - - - - - Control cable (flameproof)  
 - - - - - Propane: boiler supply  
 ..... Water: heating circuit internal vaporizer

Compact unit model	Tank (l.)	Vaporization (Kg/h)	Heating module model
LPVI4880A+VIA150+VPC30C	4.880	150	VPC30C
LPVI4880A+VIA300+VPC30C	4.880	300	VPC30C
LPVI4880A+VIB500+VPC60C	4.880	500	VPC60C
LPVI110A+VIA150+VPC30C	10.000	150	VPC30C
LPVI110A+VIA300+VPC30C	10.000	300	VPC30C
LPVI110A+VIB500+VPC60C	10.000	500	VPC60C
LPVI113A+VIA150+VPC30C	13.000	150	VPC30C
LPVI113A+VIA300+VPC30C	13.000	300	VPC30C
LPVI113A+VIB500+VPC60C	13.000	500	VPC60C



**MODULAR FEED-OUT VAPORIZERS**

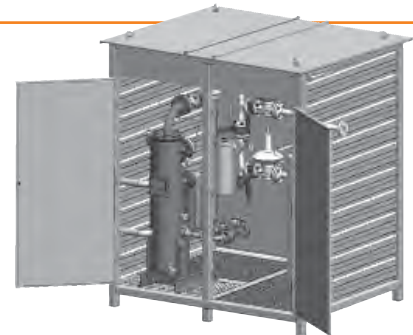
- The system allows the vaporization capacity to be increased by easy replacement of the plate exchanger.
- Vaporization capacities of 500 to 5.000 kg/h.
- Design pressure: 20 bar.
- Rated operating conditions:  
Water input temperature: 50°C.  
Vaporization pressure: 3 bar.

**CHARACTERISTICS TABLE**

Vaporization capacity (Kg./h.)	Model Ref.	Approx. tare. (Kg.)	L (mm)
500	VPM 500	170	625
1.000	VPM 1000	175	660
1.500	VPM 1500	185	695
2.000	VPM 2000	195	745
3.000	VPM 3000	215	845
5.000	VPM 5000	240	935

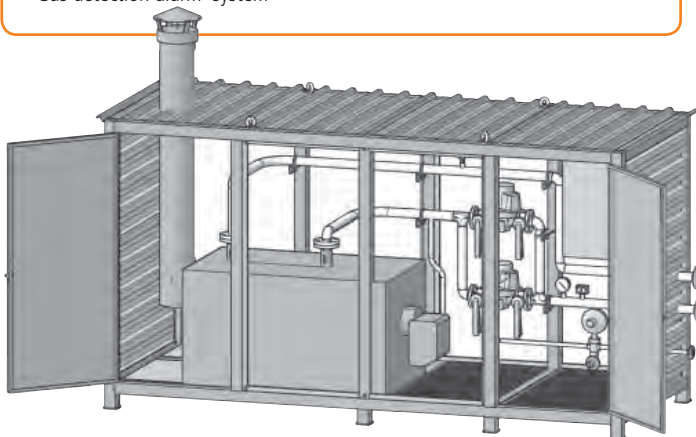
**MODULAR VAPORIZATION UNITS EMV Models**

- They allow direct use of tank gas when consumption is small.
- Gas supply to boiler
- Complete unit comprising:
- Modular vaporizer
  - Condensate separators
  - Control train
  - Valves and safety elements



**MODULAR HEATING UNITS. EMC models**

- Complete unit comprising:
- Heating boiler
  - Pump
  - Regulators, pressure switches, etc.
  - Electric control panel (for boiler module and vaporization module)
  - Gas detection alarm system



**MODULAR HEATING-VAPORIZATION SETS**

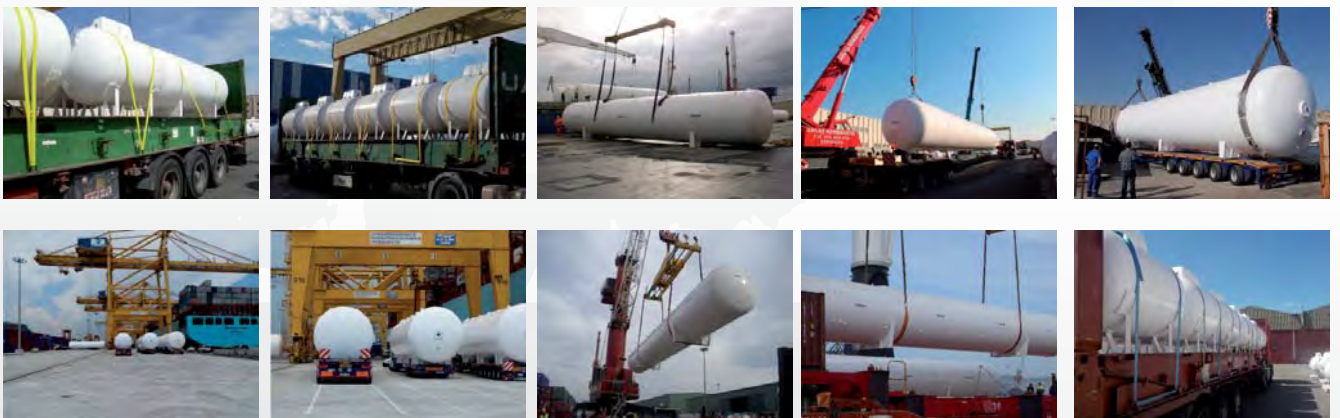
- This is a set formed by the following elements:
- 1 - Vaporization module with EMV modular vaporizer
  - 2 - MC heating module.
- On-site installation consists of connecting the gas and heating pipes between the modules (tank to vaporization module and this module to the heating module) and wiring up between booths.

**CHARACTERISTICS TABLE**

Modular unit model	Vaporizer (Kg./h.)	Rated boiler power (Mcal./h.)
EMV0500+EMC060C	500	60
EMV1000+EMC120C	1000	120
EMV1500+EMC180C	1500	180
EMV2000+EMC240C	2000	240
EMV3000+EMC360C	3000	360



# lapesa



## По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72  
Астана +7(7172)727-132  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Казань (843)206-01-48

Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

сайт: [www.lapesa.nt-rt.ru](http://www.lapesa.nt-rt.ru) || эл. почта: [pse@nt-rt.ru](mailto:pse@nt-rt.ru)