Catalogue of gas tanks

Antonio Merloni

Gas supply to -40°C

Gas supply to -20°C

Gasification
Easy, fast and safety

2017-2018 г.

www.antonio-merloni.ru
V= 1000 L.
Vertical underground LPG TANK

Gasification of house up to 100 M²

You can buy this gas tank with small overpayment

Unique advantages of vertical gas tanks from Antonio Merloni

- You will never find a gas tank with longer lifetime period. "Antonio Merloni" product will serve you and your house more than 50 years.
- Unique approach: all equipment is completely assembled on the factory in Italy, no any assembling-disassembling works on site.
- Patented technology of double sided coating of gas tank which protects cistern from outside and inside corrosion.

List of equipment:
1. Protective bag MARSUPIO
2. Hermetical polyethylene hatchway (HDP)
3. Concrete-alkaline pad
4. Three component anode-cathode protection
5. Double-stage reducing end plate (high and low pressure)
6. Thermo-lock
7. Level indicator-1 piece
8. Filler valve
9. Safety valve
10. Liquid fraction valve
11. Ventilation valve
12. Multifunctional valve with pressure gauge
13. Emergency shutdown valve 17,65 bar
14. Padlock
MOUNTING of vertical underground gas tank

1000 L
Full charge 85% = 850 L

Legend:
- Reinforced concrete construction
- Ground
- Sand

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

1000 L Gas tank
Sand lock

Warning tape (Attention GAS)

Freezing depth in your region
$1500 - 1700$

Gas pipeline PE80 SDR 11
Sand lock

ATTENTION!
Minimum distance to any construction 5 m (SNIP 42-01-2002)
10000

House ≈ 100 m²
Gas service pipe

2500
From board side to center of gas tank

R > 5 M
**1650 L.**
Vertical underground LPG TANK

Gas supply to 40°C

You can buy this gas tank with small overpayment

Gasification of house up to 170 m²

**Unique advantages of vertical gas tanks from Antonio Merloni**

- **Convenient in use** - maintenance of vertical gas tank is minimum: charging and occasional inspection of reduction gears state (blowdown of reducers and moisture removal).
- **Cistern capacity is selected individually**; considering supposed gas consumption rate (any required volume can be obtained by cascade connection of gas tanks) thereby you’ll get individual gasification.

**List of equipment:**
1. Protective bag MARSUPIO
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3. Concrete-alkaline pad
4. Three component anode-cathode protection
5. Double-stage reducing end plate (high and low pressure)
6. Thermo-lock
7. Level indicator-1 piece
8. Filler valve
9. Safety valve
10. Liquid fraction valve
11. Ventilation valve
12. Multifunctional valve with pressure gauge
13. Emergency shutdown valve 17,65 bar
14. Padlock
MOUNTING
of vertical underground
gas tank

1650 L
Full charge 85% = 1402.5 L

Legend:
- Reinforced concrete construction
- Ground
- Sand

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

From board side to center of gas tank

1650 L Gas tank

Sand lock

- 2500

Warning tape (Attention GAS)

Freezing depth in your region ≈ 1500...1700

Gas pipeline PE80 SDR 11

ATTENTION!
Minimum distance to any construction 5 m (SNiP 42-01-2002)

House ≈ 170 m²

Gas service pipe

R 72 M

1600

500
V = 2250 L
Vertical underground LPG TANK
Gasification of house up to 250 m²

You can buy this gas tank with small overpayment

Unique advantages of vertical gas tanks from Antonio Merloni

- Today they are the best in price and quality.
- Proven quality - all products are certified and successfully tested; they satisfy all construction standards (European and Russian).
- Unique protection under the ground thanks to patented seven component polymer bag "Marsupio".

List of equipment:
1. Protective bag MARSUPIO
2. Hermetical polyethylene hatchway (HDP)
3. Concrete-alkaline pad
4. Three component anode-cathode protection
5. Double-stage reducing end plate (high and low pressure)
6. Thermo-lock
7. Level indicator - 1 piece
8. Filler valve
9. Safety valve
10. Liquid fraction valve
11. Ventilation valve
12. Multifunctional valve with pressure gauge
13. Emergency shutdown valve 17,65 bar
14. Padlock

2017-2018 г.
www.antonio-merloni.ru
Gasification of house up to 500 M³

You can buy this gas tank with small overpayment

LPG TANK
Vertical underground

V= 5000 L.

Gas supply to -40°C

Unique advantages of vertical gas tanks from Antonio Merloni

- Products are always in stock in Moscow (delivery during 3 days). Delivery to all regions of Russia.
- Possibility to use more or less in any climate zone of our country even in hard winter: operating temperature range for vertical gas tanks from “Antonio Merloni”: from -40°C to +50°C (this is the only gas tank where this temperature parameter is punched on the plate with passport data).

List of equipment:
1. Protective bag MARSUPIO
2. Hermetical polyethylene hatchway (HDP)
3. Concrete-alkaline pad
4. Three component anode-cathode protection
5. Double-stage reducing end plate (high and low pressure)
6. Thermo-lock
7. Level indicator-2 pieces
8. Filler valve
9. Safety valve
10. Liquid fraction valve
11. Ventilation valve
12. Multifunctional valve with pressure gauge
13. Emergency shutdown valve 17,65 bar
14. Padlock

Minimum distance between gas tank and any construction 5 m. (SNIP 42-01-2002)
MOUNTING of vertical underground gas tank

Legend:
- Reinforced concrete construction
- Ground
- Sand

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

5000L Gas tank

From board side to center of gas tank: 2500

5000L Gas tank

Warning tape (Attention GAS)

Freezing depth in your region: 1500...1700

Gas pipeline PE80 SDR11

Sand lock

Minimum distance to any construction: 5m (SNiP 42-01-2002)

House: 500m²

Gas service pipe

R ≥ 3M

ATTENTION!

Full charge 85% = 4250L
Attention! Do not forget. GAS TANK should answer its temperature conditions.

Appreciate the advantages of vertical gas tank

Underground horizontal gas tanks and ground-based gas tanks AM to be ordered in advance!

Underground horizontal gas tanks:
Volume: 1000 L, 1750 L, 2750 L, 5000 L. To be ordered IN ADVANCE (divisible by 4 pieces with different capacities).

Ground-based horizontal gas tanks:
Volume: 1000 L, 1750 L, 2500 L, 2750 L, 5000 L. To be ordered IN ADVANCE (divisible by 4 pieces with different capacities).

Ground-based vertical gas tanks:
Volume: 500 L, 1000 L. To be ordered IN ADVANCE (from 1 piece)

List of equipment:
1. Protective bag MARSUPIO
2. Hermetical polyethylene hatchway (HDP)
3. Concrete-alkaline pad
4. Three component anode-cathode protection
5. Double-stage reducing end plate (high and low pressure)
6. Thermo-lock
7. Level indicator - 1 piece
8. Filler valve
9. Safety valve
10. Liquid fraction valve
11. Ventilation valve
12. Multifunctional valve with pressure gauge
13. Emergency shutdown valve 17,65 bar
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Double configuration (Cascade connection of vertical underground gas tanks)

- **4500 L. Vertical underground LPG Tank**
  - Gasification of house up to 500 m²
  - Minimum distance between gas tank and any construction 5 m (SNIP 42-04-2002)
  - Only: 7600€

- **7250 L. Vertical underground LPG Tank**
  - Gasification of house up to 750 m²
  - Minimum distance between gas tank and any construction 5 m (SNIP 42-04-2002)
  - Only: 11700€

- **10000 L. Vertical underground LPG Tank**
  - Gasification of house up to 1000 m²
  - Minimum distance between gas tank and any construction 5 m (SNIP 42-04-2002)
  - Only: 15800€

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MOUNTING of vertical underground gas tank

4 500 L
Full charge 85% = 3 825 L

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

2 250 L Gas tank (2 pcs.)

Sand lock

Warning tape (Attention GAS)

Gas pipeline PE80 SDR11

Sand lock

R ≥ 3 m

Freezing depth in your region
R = 1 500...1 700

Minimum distance to any construction 5 m (SNiP 42-01-2002)
1 000 m

Legend:
- Reinforced concrete construction
- Ground
- Sand

Gas service pipe

House ≈ 500 m²

2 500
From board side to center of gas tank

2 000
2 800
2 550
1 600
1 400
500
1 600
MOUNTING of vertical underground gas tank

7 250 L
Full charge 85% = 6162.5 L

Legend:
- Reinforced concrete construction
- Ground
- Sand

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

5000L Gas tank
2250L Gas tank
Sand lock
Gas pipeline PE80 SDR11

Warning tape (Attention GAS)

Gas service pipe

Sand lock

R ≥ 3M

Freezing depth in your region
= 1500 – 1700

Minimum distance to any construction 5m (SNIP 42-01-2002)

From board side to center of gas tank

22500

2000

2800

2450

2400

200

100

400

1000

2000

1200

1700

4500 x 2500

2500

1600

500

30000

750 M²

The project is designed by ANTONIO MERLONI CYLINDERS GHERGO GROUP S.R.L.
Official distributor in Russia and E.E. Group of Companies Partnership.

www.antonio-merloni.ru

Engineering support 24 hours
Tel.: +7 (495) 979-0822
Tel.: +7 (495) 979-2777

Ibrakom
MOUNTING
of vertical underground
gas tank

10 000 L
Full charge 85% = 8500 L

Legend:
- Reinforced concrete construction
- Ground
- Sand

ATTENTION!
DO NOT EXCEED indicated distance to avoid overturn of crane-manipulator

5000 L Gas tank
(2 pcs.)

Sand lock

Warning tape
(Attention GAS)

Gas pipeline
PE80 SDR11

Sand lock

Freezing depth in your region
≥ 1500…1700

Minimum distance to any construction 5m (SNiP 42-01-2002)
10000
GROUND WORKS

to arrange Antonio Merloni gas tanks

1. Ground works are realized in accordance with fire security norms SNIP 42-01-2002 and PB 12-609-03. Mounting is provided by certified professionals who have certificate PB 12-609-03.

2. Depth of the pit for gas tank next to gasified object: 2.1-2.95m (depends on capacity of cistern).

3. Distance between gas tank and any construction: no less than 5m.

4. Trench depth for gas pipeline installation: 1.5-1.7m (depends on soil frost depth in certain region). Trench width: 0.6m.

5. Gas pipeline should be installed on the banking made of fine grained sand (thickness = 0.1m) organized on the bottom of trench.

6. Gas tank and gas pipes should be covered by river sand (to place in sand lock).

7. Trench together with gas pipeline is covered by sand (thickness = 0.2m), at the top there is installed signal tape of yellow color and finished up by final cover with ground.

8. Gas service pipe and the place where gas pipe drops to the trench near gas tank is covered by sand circle wise (diameter = 0.3m). To prevent separation of gas pipe from connecting constructions it is required to provide correct tamper of covering sand near the socle inlet to the house and gas tank. The tamper includes watering of vertical sections of gas pipeline and tightening of sand layers in each 0.2 meters, height along.

**ATTENTION**! In case of inappropriate following of ground works instructions there might occur leak-off pressure and gas pipeline separation from gas tank and gas service pipe.

Certificate of conformity ISO 9001

CU Sertificate as per regulations 32 valid till 2020
New protective bag “Marsupio” which was designed and patented by “Antonio Merloni” Company excludes any risk of incorrect mount of gas tank and incorrect connection of anode-cathode protection of underground cisterns. “Marsupio” significantly speeds up installation process. Special sand prepared on concrete-alkaline pad which is situated inside of protective bag “Marsupio”, keeps anode-cathode protection in active state both, in warm and in cold seasons.

The main advantage of “Marsupio” protective system is that during ground movements the cistern is protected from mechanical damages and fully uses thermal potential of the earth to heat LPG.

Anode-cathode protection is already connected to protective bag “Marsupio” what allows to reduce expenses for gas tank installation and not to damage epoxy coating.

<table>
<thead>
<tr>
<th>Capacity, L</th>
<th>Area, m²</th>
<th>Weight, kg</th>
<th>Pit, m</th>
<th>Depth, m (H)</th>
<th>Price, CU</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 000 vert.</td>
<td>~ 100</td>
<td>560</td>
<td>Ø 1,6</td>
<td>1,95</td>
<td>3 100</td>
</tr>
<tr>
<td>1 650 vert.</td>
<td>~ 170</td>
<td>850</td>
<td>Ø 2</td>
<td>2,1</td>
<td>3 500</td>
</tr>
<tr>
<td>2 250 vert.</td>
<td>~ 250</td>
<td>1 100</td>
<td>Ø 2</td>
<td>2,55</td>
<td>3 800</td>
</tr>
<tr>
<td>4 500 vert. (Dual)</td>
<td>~ 500</td>
<td>2 200</td>
<td>Д 4 × Ш 2</td>
<td>2,55 / 2,55</td>
<td>7 600</td>
</tr>
<tr>
<td>5 000 vert.</td>
<td>~ 500</td>
<td>2 450</td>
<td>Ø 2,5</td>
<td>2,95</td>
<td>7 900</td>
</tr>
<tr>
<td>7 250 vert. (Dual)</td>
<td>~ 750</td>
<td>3 550</td>
<td>Д 4,5 × Ш 2,5</td>
<td>2,95 / 2,95</td>
<td>11 700</td>
</tr>
<tr>
<td>10 000 vert. (Dual)</td>
<td>~ 1 000</td>
<td>4 900</td>
<td>Д 5 × Ш 2,5</td>
<td>2,95 / 2,95</td>
<td>15 800</td>
</tr>
</tbody>
</table>

TRANSPORTATION

INSTALLATION

VERTICAL GAS TANK

TRENCH TO HOUSE: WIDTH - 600 mm; SOIL FROST DEPTH - H1

ANTONIO MERLONI CYLINDERS GHERGO GROUP S.P.A.
Official distributor in Russia and E.I., Group of Companies «Terrikom».

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