

# UNDERGROUND TANKS for LPG and DME



## FOR WHOM?

### Underground tanks for liquefied gas can be used, among others:

- at petrol stations and autogas (LPG) distribution
- in production facilities from various industries, (LPG / DME)
- in facilities related to agriculture, e.g. tank installations for animal farms, grain dryers, as well as for temporary protection of crops in greenhouses and foil tunnels against sudden frosts, etc. (LPG)
- on the premises of individual users and the area of investments prepared by development companies for end customers (e.g. housing estates powered by a base of underground LPG tanks)

Requirements for the distance from building structures or roads are less restrictive than those for aboveground LPG and DME tanks. For this reason, underground LPG tanks can be located on plots of land with a smaller area than in the case of aboveground tanks. Additionally, deciding on an underground DME or LPG tank, the client gains the possibility of any arrangement development of the plot. LPG or DME tanks have to be located in a green area. They cannot transfer overloads from driving and communication roads.



## TANK'S TECHNICAL SPECIFICATION

<b>general information</b>	<ul style="list-style-type: none"> <li>for tanks from 5 m<sup>3</sup> to 33 m<sup>3</sup> with a diameter of 1600 mm or 2000 mm, Ekonstal has an H1 module</li> <li>underground LPG / DME tanks must be installed only in the green area</li> </ul>
<b>standard</b>	made in accordance with the AD 2000 standard and the PED / 2014/68 / EU directive
<b>construction</b>	horizontal, cylindrical tank
<b>material</b>	certified carbon steel
<b>number of compartments</b>	1
<b>capacity (m<sup>3</sup>)</b>	6 - 120 m <sup>3</sup>
<b>diameter (mm)</b>	1250 - 3800 mm
<b>wall's structure</b>	single wall
<b>work temperature</b>	from -20 to +40°C
<b>external coating</b>	<ul style="list-style-type: none"> <li>external surface sheets subjected to abrasive blasting – degree Sa 2.5, according to PN-EN ISO 8501-1</li> <li>paint system in class Im3 according to EN ISO 12944-4</li> </ul>
<b>internal coating</b>	raw
<b>destigation</b>	<ul style="list-style-type: none"> <li>underground storage of liquefied gas at filling stations</li> <li>underground LPG storage in liquefied gas distribution points</li> <li>liquid gas supply for heating installations used by public facilities, individual houses, farms and industrial buildings</li> <li>liquid gas supply to industrial and agricultural equipment</li> <li>underground storage of DME used for the production of household chemicals, cosmetics and construction products</li> </ul>



## TANK'S STANDARD EQUIPMENT

- Manhole DN 600
- Connectors equipped with valves
- Suction pipe - DN 50
- Safety connectors - 2 pcs
- Tank drainage connection - DN 32
- Connection of a float level gauge
- Automatic measurement connection - DN 50
- Liquid phase connection - DN 25
- Gas phase connection - DN 25
- Max filling control connection
- Tank shaft made of black steel or INOX
- Transport handles
- Foundation feet



## ADDITIONAL CUSTOMIZATION OPTIONS

- Float probe pocket for OPW or Veeder Root measuring systems, and probe head





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