

LPG – TANK INSTALLATIONS

Professional Training Program

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1. Regulatory framework



2. LPG Station



3. Installation components



4. Installation Design

1. REGULATORY FRAMEWORK

**FOR ALL INSTALLATIONS, THE APPLICABLE REGULATIONS CONSIST OF
VARIOUS STANDARDS/NORMS:**



**TECHNICAL REGULATIONS FOR
THE PLANT/INSTALLATION**

**REGULATIONS FOR THE
PLANT/INSTALLATION –
INTERACTION WITH THE
ENVIRONMENT**

1. REGULATORY FRAMEWORK

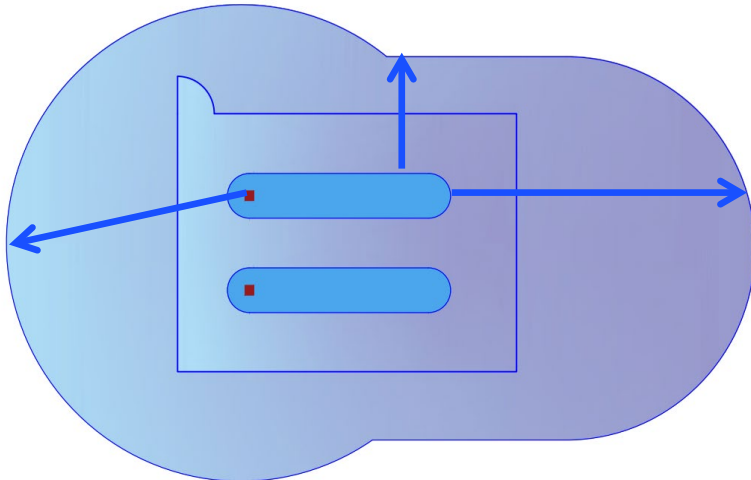


**REGULATIONS FOR
INSTALLATION DESIGN**

**TECHNICAL REGULATIONS
EQUIPMENT AND
INSTALLATIONS**

**REGULATIONS RELATING
TO THE ENVIRONMENT**

2. LPG STATION



1. CLASIFICATION

1.1 LOCATION

1.2 VOLUME

1.3 GEOMETRY

1.4 STORAGE CAPACITY

2. SAFETY DISTANCES

3. REDUCTION OF SAFETY DISTANCES

3. INSTALLATION COMPONENTS



1. LPG TANK

2. ACCESSORIES OF LPG TANKS

3. EQUIPMENT - REGULATIONS

4. PIPING

4.1 CARBON STEEL

4.2 COPPER

4.3 POLYETHYLENE

4.4 FLEXIBLE HOSES

5. CIVIL WORKS

6. WALL FENCE

7. FORCED VAPORIZATION

8. ELECTRICAL INSTALLATION

8.1 GROUNDING

8.2 PROTECTION AGAINST CORROSION

9. HAZARDOUS AREAS

10. FIRE PROTECTION

11. TESTING AND VERIFICATIONS

12. INERTIZATION AND COMMISSIONING

13. DECOMMISSIONING TANK/INSTALLATION

14. MAINTENANCE

15. ACTIONS IN CASE OF EMERGENCY

4. INSTALLATION DESIGN

GROUP EXERCISE



1. SIMULTANEOUS POWER

2. ENERGY CONSUMED

3. GAS FLOW RATE

4. TANK VOLUME – TANK SELECTION

5. GAS FLOW SUPPLYING OPTIONS

6. INSTALLATION OF THE TANK

7. SAFETY VALVE SELECTION

8. PIPE DIAMETER

9. DISTANCE REDUCTION

10. UNDERGROUND – CATHODIC PROTECTION



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