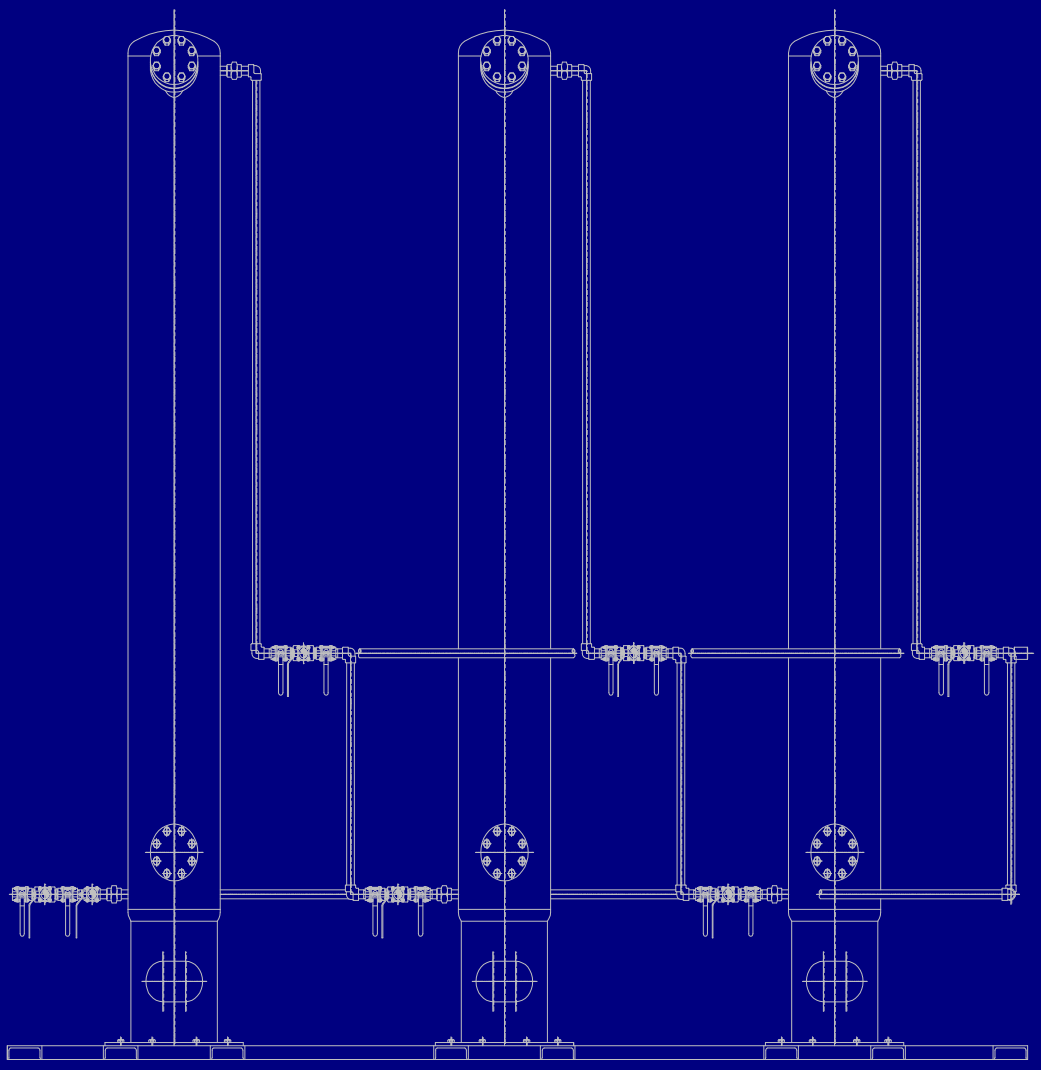
ZARGAN

FCD series



LPG Treatment

LPG Treatment

The Fargon- FCD system of columns for treatment of LPG is for the removal of mercaptan and moisture present in the mixture, thus allowing its use without the presence of odor in aerosol filling systems (preparation of deodorants, air fresheners, etc.).

The system is scaled to size, based on information consumption of the customer's plant, consisting of 2-4 scaled purification columns to remove moisture and mercaptan.

- silica gel white granular or spherical
- activated alumina granular or spherical
- spherical molecular sieve or extruded

Order sizes scaled to meet the specific needs of the customer are manufactured mechanically as ASME sec. VIII - div.1.

Construction materials: carbon steel or optional stainless steel.

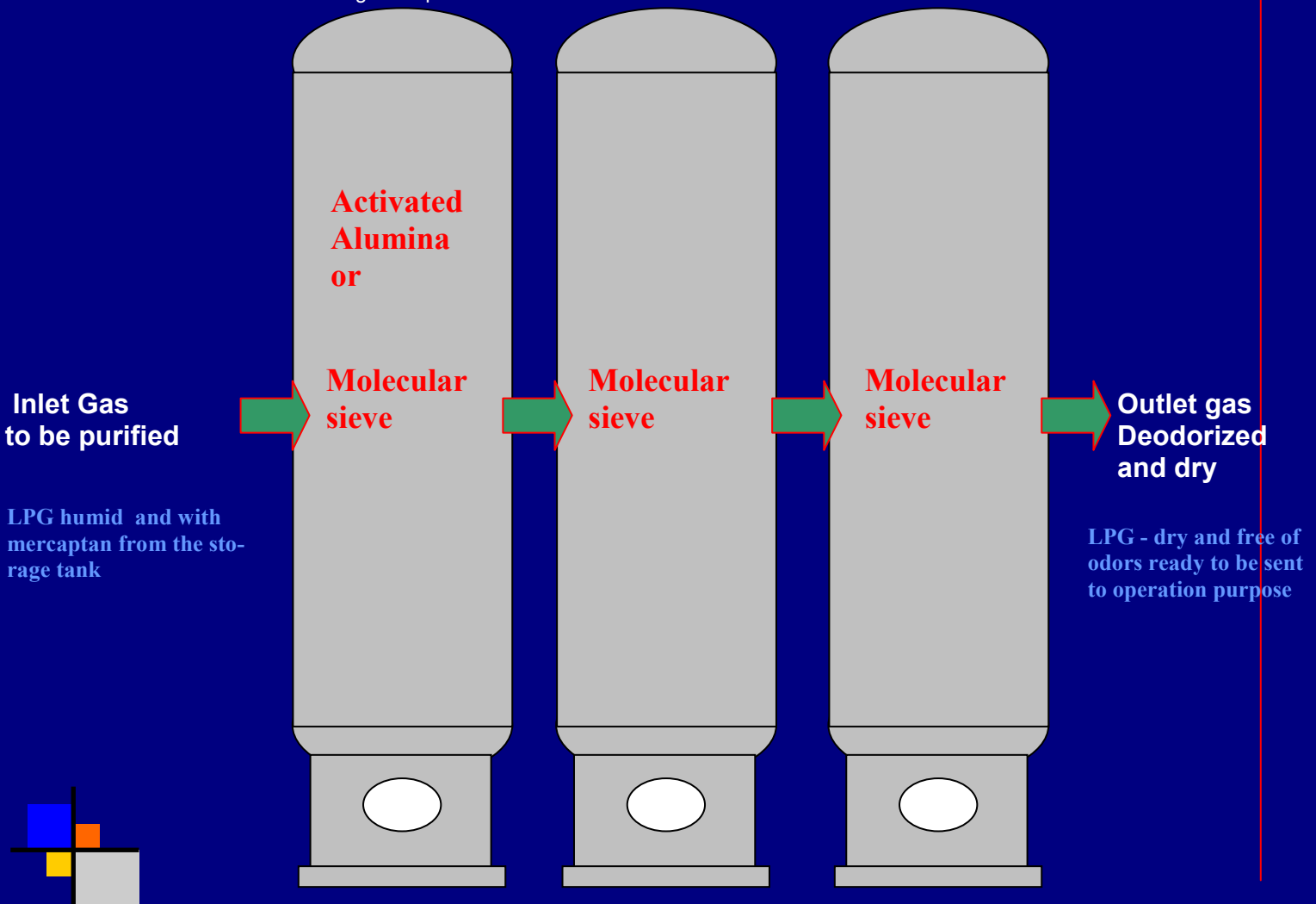
Several accessory options allow you to automate and customize the installation.

Operating Principle

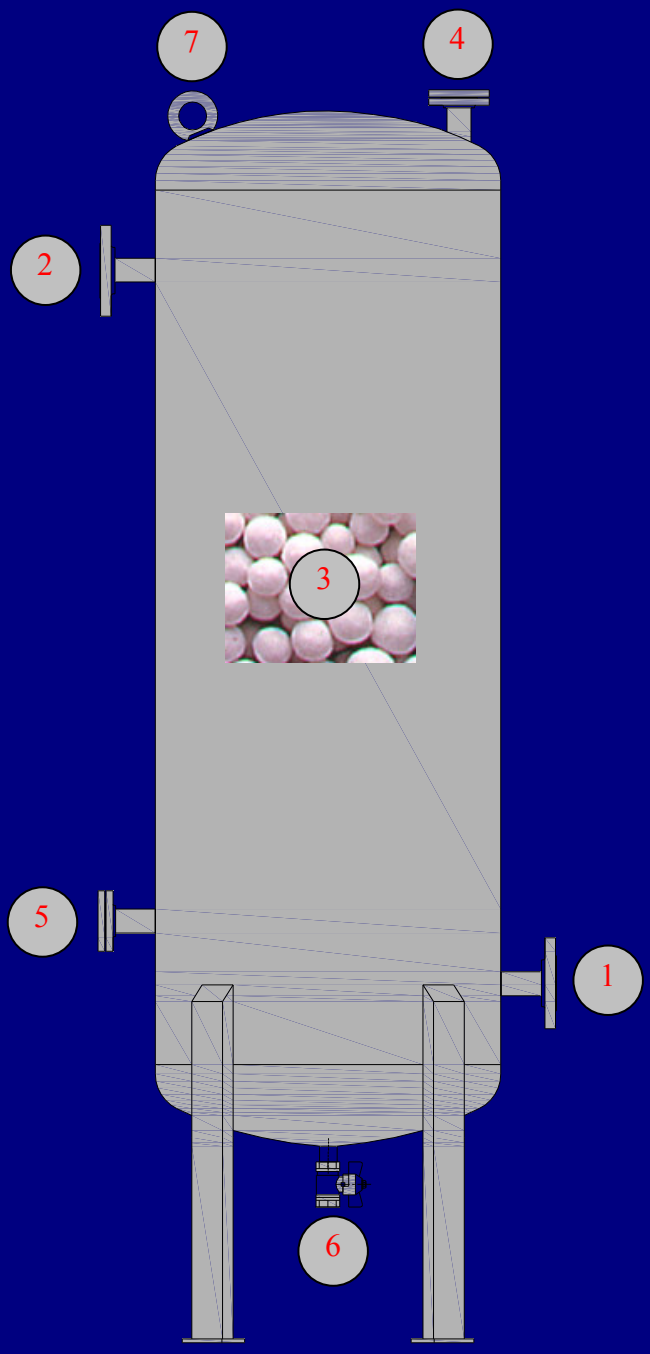
The FCD systems dry and purify LPG through the use of materials of last generation of adsorption (activated alumina and molecular sieve). These materials are arranged in two or three columns scaled to the conditions of flow and pressure of system operation. LPG in contact with these materials have their moisture and mercaptan removed, thus allowing its use entirely free of odor.

Instalattion scheme

Installation illustrative considering three purifier columns.



Model of a purifying column



1 Inlet gas - humid and impure

Inlet gas flow in the column - flange standard ANSI SO B 16.5 RF or threaded NPT / BSP

2 Output of dry gas and deodorized

Gas outlet of the column - flange standard ANSI SO B 16.5 RF or threaded NPT / BSP

3 Adsorption material

Activated alumina + molecular sieve for moisture removal and mercaptan.

4 Nozzle material load adsorption

Nozzle to load the material adsorption - flange ANSI B 16.5 RF SO or threaded NPT / BSP.

5 Nipple discharge of material adsorption

Nozzle for discharge of material adsorption - flange ANSI B 16.5 RF SO or threaded NPT / BSP.

6 Drain point

Drain point to remove any impurities from the system-sleeve 1/2 "or 3/4" with optional manual drain valve.

7 Eye lift

Eye lift to allow removal and handling of column.

ADDITIONAL ITEMS

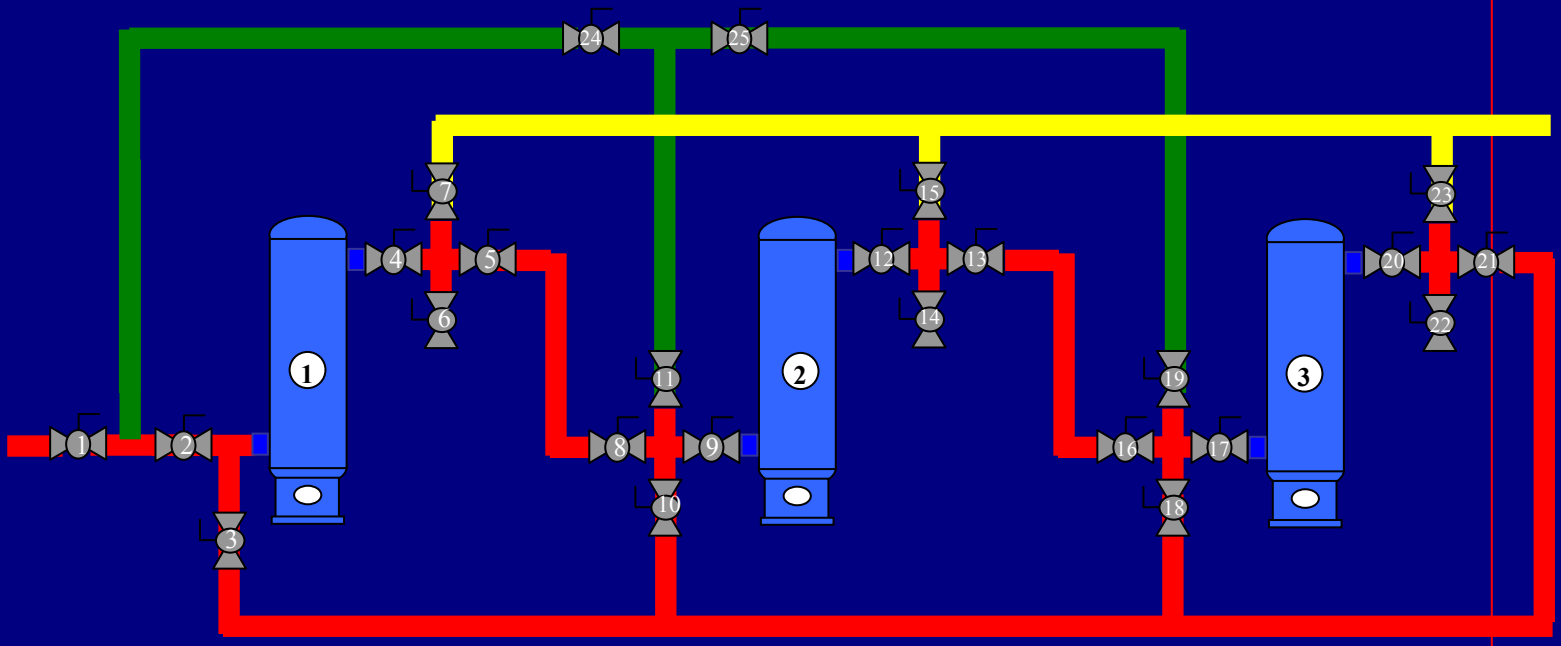
**** supplying of safety valve***

**** data book***

**** Fargon painting pattern in white-painting performed optionally requested by the customer***

System of directional valves

Optionally we can provide the purifier system mounted on skid sole and comprising a system of directional valves for changing the sequence of purification columns without physically moving them.
The actuation of valves may be manual or fully automatic (via pneumatically actuated valves and central panel controlled by PLC - panel box for classified area).



Adsorption materials regenerator

The Fargon also designs and manufactures REGENERATOR FOR ADSORPTION MATERIALS, allowing the ability to retrieve materials saturated adsorption.

FARGON®
AIR TREATMENT SINCE 1963

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