



M/R STATIONS



BROCHURE



ENIMEX M/R STATIONS

INTRODUCTION

ENIMEX is specialized in design & manufacturing of natural gas metering, regulating & gas treatment stations.

Powered by its efficient and flexible infrastructure ENIMEX can provide a full range of complete solutions for the natural gas industry, customized to individual specifications and meet every recognized International & European standard.

Serving all market segments starting from the residential gas applications up to the specialized fuel gas system for the power co-generation industry, ENIMEX can provide turn key solutions to fulfill any demand.

TECHNICAL DESCRIPTION

Metering & regulating stations are an integral part of the natural gas transmission / distribution system in the natural gas industry.

CITY GATE STATION

Typical Operating Conditions:

Inlet Pressure: 20 ÷ 100 barg

Outlet Pressure: 5 ÷ 19 barg

Flow Rate: 10.000 ÷ 100.000 Nm³/h

FUEL GAS SYSTEMS

Typical Operating Conditions:

Inlet Pressure: 20 ÷ 100 barg

Outlet Pressure: 20 ÷ 45 barg

Flow Rate: 20.000 ÷ 600.000 Nm³/h

DISTRIBUTION STATION

Typical Operating Conditions:

Inlet Pressure: 6 ÷ 19 barg

Outlet Pressure: 4 barg

Flow Rate: 500 ÷ 20.000 Nm³/h



INDUSTRIAL STATION

Typical Operating Conditions:

Inlet Pressure: 6 ÷ 19 barg

Outlet Pressure: 4 barg

Flow Rate: 500 ÷ 20.000 Nm³/h

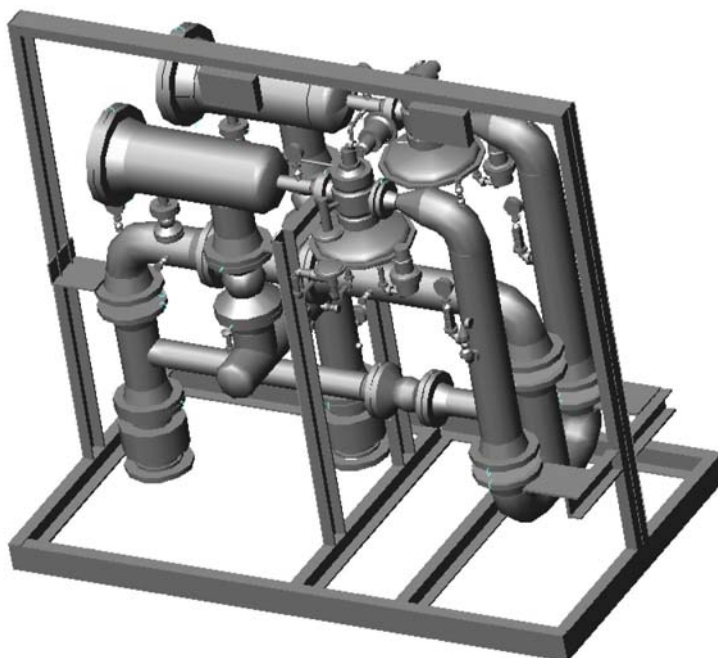
COMMERCIAL STATION

Typical Operating Conditions:

Inlet Pressure: 4 barg

Outlet Pressure: 0.2 ÷ 1 barg

Flow Rate: 100 ÷ 1600 Nm³/h



MAIN SECTIONS / SYSTEMS

A metering and regulating station is consisted of one or more of the following sections / systems, depending on the application:

- Inlet Valve section
- Filtering section
- Pre heating section
- Pressure Regulating section
- Metering section
- Outlet valve section
- Odorizing Unit
- Gas Quality Measurement System
- Flow computer & invoicing system
- Control & Supervisory system, PLC based

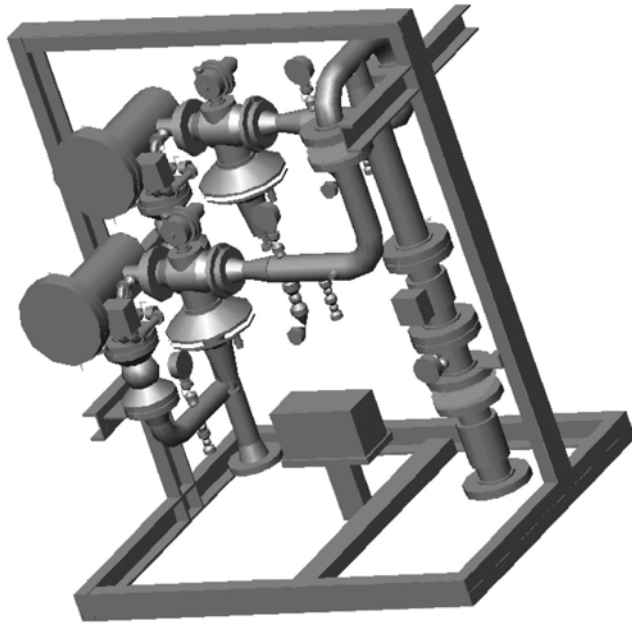


Each system can be configured 2x100% or 3x50% streams or similar configurations in order to achieve redundancy and to maximize the availability of the system.

MAIN COMPONENTS

Depending on the application, national and international regulations and customer's specifications the following components are available for integration in a metering & regulating station:

- Gas over oil, pneumatic, electrical actuator valve assemblies.
- Cartridge Filters, Filter Separators, Coalescer Filters, Cyclone Filters & K.O. drums.
- Shell & Tube Heat Exchangers combined with a hot water boiler, electrical thyristor heaters & Water Bath Heaters.
- Pressure regulators in various configurations (i.e. active/monitor) with incorporation of one or two slam shut valves.
- Turbine Meters, Ultrasonic Meters, Orifice meters, Vortex meters & rotary displacement meters.
- Gas chromatographs, calorific value meters water & HC dew point meters, etc.
- Tariff invoicing system based on flow computers.
- Lapping or injection odorizing systems
- Process automation, & valve management, remote & local control supervising and reporting can be realized through PLC & supervisory HMI computer.



ENIMEX CAPABILITIES

Enimex can undertake the one or more of the following activities in order to provide you a fully functional packaged based solution:

- Detailed engineering
- Design
- Procurement
- Quality Management
- Manufacturing
- Factory testing
- Site erection supervision
- Commissioning & Start Up
- Maintenance

Serving all market segments starting from the residential gas applications up to the specialized fuel gas system for the power generation industry Enimex invites you to:

ENIMEX S.A.

Manufacturing Plants

-Industrial Area Of Kilkis, PO Box 20, PC 61100 Kilkis, Greece, Tel:+30 23410 72162, Fax:+30 23410 72065, Email: info@enimex.gr

Spare parts & After-Sales Service

-Industrial Area Of Kilkis, PO Box 20, PC 61100 Kilkis, Greece, Tel: +30 23410 71672, Fax: +30 23410 72065, Email: tsg@enimex.gr

Logistics / Warehouses

- Thessaloniki Neochorouda PC 545 00 - PO Box 463 Tel. +30 2310 574876, Fax. +30 2310 574877 E-mail: info@totgas.gr

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