

Technical description

DUNGS gas safety and regulator trains are built to customer specifications in compliance with the technical regulations of DVGW, TRD and the related EN standards, taking into account the prevailing requirements of the gas supplying companies.

Application

Gas trains made by DUNGS are designed for use in industrial furnaces, steam boilers and heat generation processes for medium- and large-size forced-air burners, atmospheric gas boilers and gas motors.

The gas trains can be supplied in the following pressure ranges and nominal diameters:

Pressure ranges Nominal diameters

Low-pressure range LP: p₁ 100 mbar Threaded connection: Rp 1/4 - Rp 2

Medium-pressure range MP: 100 mbar $< p_1$ 4 bar Flange connection: DN 20 - DN 200

High-pressure range HP: $p_1 > 4$ bar (on request)

Product range

Ball valves KH, gas filters GF Gas pressure regulators FRS, FRNG, FRN, FRU

Gas pressure regulators with integrated safety shut-off valve and/or safety blow-off valves Safety shut-off valves SAV Safety blow-off valves SBV Gas pressure switches GW Solenoid valves, single-stage MV(DLE) Solenoid valves, two-stage ZRD(LE)LE Vent gas valves LGV Ignition gas valves MV, MVD, MVDLE GasMultiBloc MB-D, MB-ZRDLE Double solenoid valves DMV Motorised butterfly valves DMK, actuator drives

Valve proving systems VDK, VPS Closed position signal contact K01/1 Test burners

Ignition transformers Compensators

Pressure gauges with shut-off valve

Automatic gas burner controls DGA... Control cabinets

Pressure booster systems

One- and/or two-rail regulator systems. Further fittings, additional equipment and bearing constructions for gas safety and regulator trains on request.

Project engineering

On request, we will carry out the complete calculation and design for your gas safety and regulator trains.









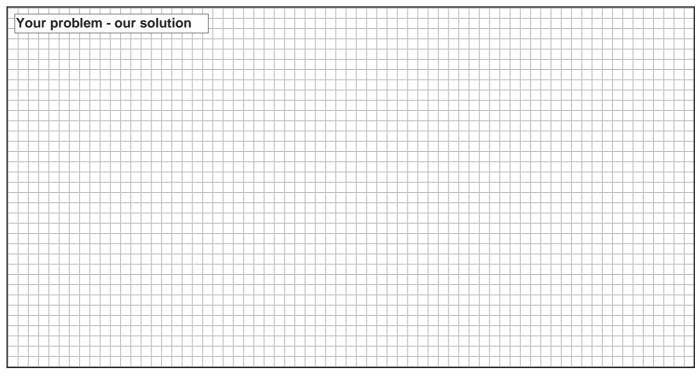




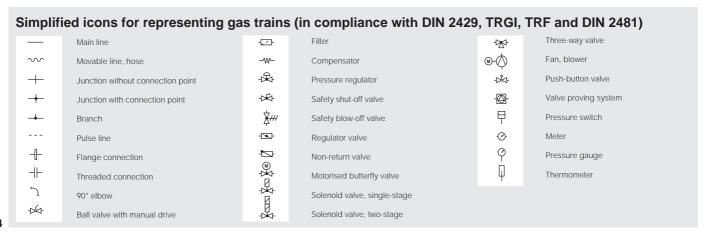








Details for gas train calculation	
Type of gas	
Relative density, dv	[1]
Calorific value, H _{u,n}	[kWh/m³]
Max. operating pressure p _{max.}	[bar, mbar]
Gas inlet pressure, p ₁	[bar, mbar]
Gas pressure (burner) p _{Br}	[bar, mbar]
Min. operating performance, Q _{min.}	[kW]
Max. operating performance, Q _{max.}	[kW]
Min. gas volumetric flow	[m³/h]
Max. gas volumetric flow	[m³/h]
Electrical voltage	[V]
Other details	
Flange/threaded connection	[DN, Rp]



DUNGS®



At its Osnabrück plant, in Germany, and at other DUNGS companies throughout the world DUNGS manufactures complete gas trains to customer-specific requirements using DUNGS fittings and components of other renowned manufacturers.

More than 20,000 gas trains have been manufactured in the past 25

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We reserve the right to make any changes in the interest of technical progress.





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