



## Product range

Components and systems  
for safeguarding, measuring and controlling gases  
Components and systems for heating control





## Manual valves and filters

Manual valves for manual shut-off, for gas, air and water. Also manual valves with thermal equipment trip

Gas filters for cleaning gas and air

## Pressure regulators



Pressure regulators to maintain a constant set outlet pressure  $p_a$  despite changing gas flow rates

Air/gas ratio controls and variable air/gas ratio controls to maintain a constant gas/air ratio

Safety shut-off valves and safety relief valves for securing downstream fittings against excess gas pressure

## Valves and butterfly valves



Gas solenoid and motorised valves for automatic shut-off of pipes, one- or two-stage

Pressure regulators with solenoid valve as a space-saving option combining two functions  
*valvario®*

Butterfly valves with actuators for flow rate adjustment on gas burners

Tightness controls for monitoring the internal tightness of safety valves

## Pressure switches



Diaphragm pressure switches with micro switch for monitoring gas and air pressures on industrial installations and boilers, for biogas plants and air-conditioning, ventilation and extraction systems, for positive pressure, negative pressure and differential pressure

## Combination controls



Compact gas control systems with filter or dirt trap, pressure regulator, integrated pressure switch and two class A solenoid valves, for safeguarding and control of atmospheric burners, forced draught burners and fan-assisted boilers on heating systems



## Electric flame monitoring and control units

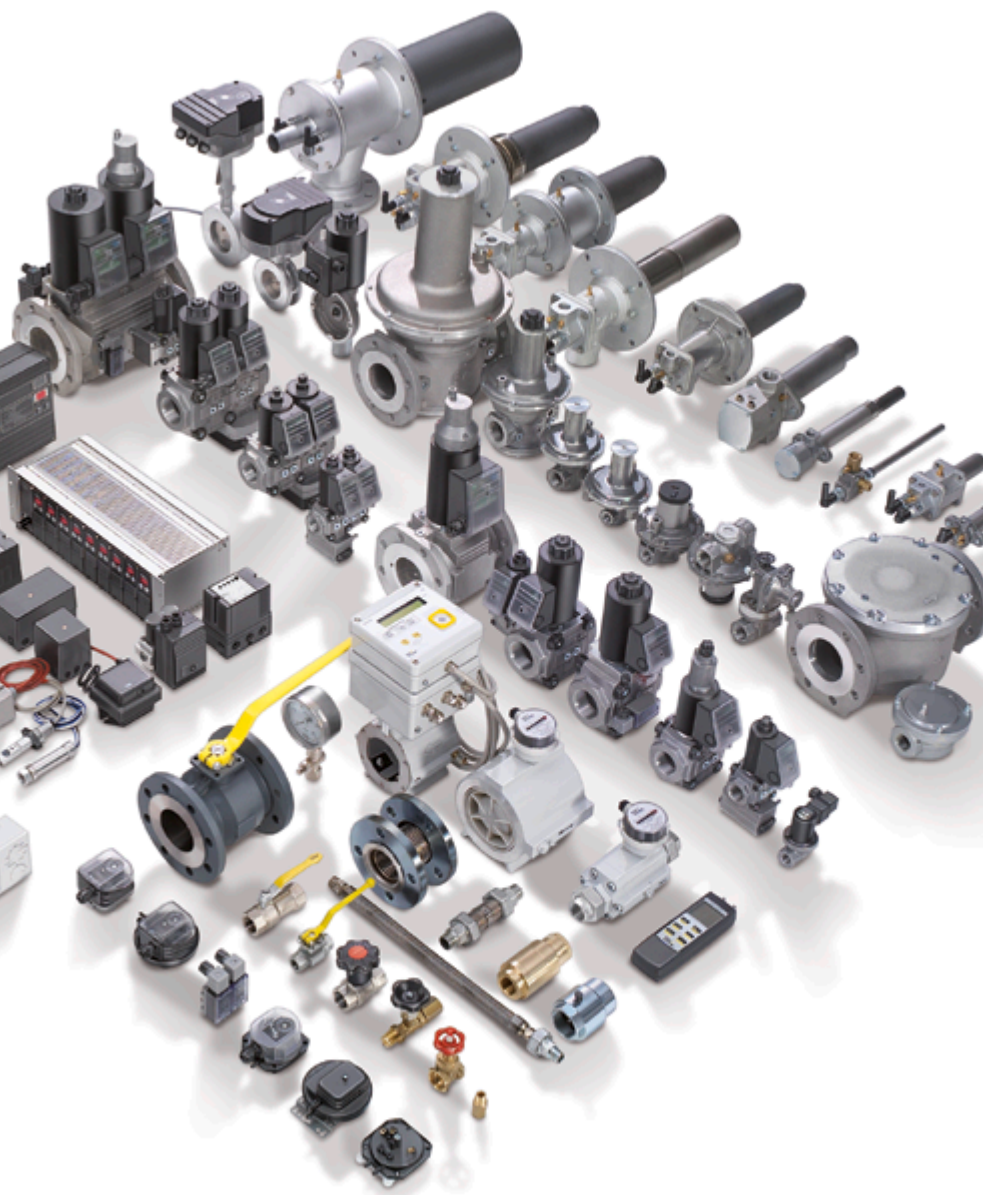


Burner control units and automatic burner control units, enclosed or 19" rack-mounted, for controlling and monitoring gas burners in continuous or intermittent operation, with ionisation or UV control, Manual/Automatic mode and display of operating and fault statuses, in part adjustable to other operating modes via an optical interface, using separate software

## Pilot burners and burners

Modular-design burners for gas with a capacity range from 1.5 kW to 7.2 MW; with combustion chambers made of steel, SiC ceramics, or for installation in burner quarls, for use in the iron, non-ferrous, ceramics and foodstuffs industries, among others; direct ignition and ionisation control, different burner mixer heads for different flame shapes and gas types





## Accessories



Flow meters for non-custody transfer measurements

Turbine meters and ultrasonic meters for gas volume measurement on appliances burning gaseous fuels, for gas burner adjustment, for gas and air

Stainless steel bellows units and stainless steel flexible tubes for stress-free, flexible connection of devices and pipes and to prevent transmission of vibration, for gas, air and water

Pressure gauges for pressure display, for gas and air

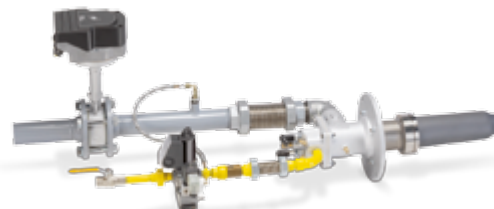
Non-return gas valves to prevent gas creepage or surge

## Gas meters



Diaphragm gas meters for custody transfer measurements

## Systems



Gas systems, burner systems and electrical control systems for use in various sectors, from iron/steel and ceramics to environmental technology. In conjunction with our technical service, which is active throughout the world, we supply systems that comply with current directives and standards, from project planning and manufacturing to commissioning.

## Ignition and monitoring components

Ignition transformers, enclosed or non-enclosed, for high-voltage spark ignition of gas or oil burners

UV sensors for monitoring gas burners in conjunction with flame detectors and automatic burner control units, for continuous or intermittent operation

## Thermo-electric safety devices

for igniting and monitoring all types of gas-fired installations independently of the mains power supply

## Heating control Comfort Controls

Analogue and digital heating controllers for weather- and room temperature-dependent boiler or flow temperature control

Controllers for heat generators, direct and mixed heating circuits, hot-water generation, buffer operation and cascade systems

Differential temperature controllers for solar, solid fuel and buffer storage systems

Remote programming using Comfort Soft



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