THERMAL PROCESSING



Application:

- Glass Industry
- Thermal Processing

MDV systems for pre-mix burners

Made in Germany Product of





THERMAL PROCESSING MDV systems for pre-mix burners







MDV-2 MDV-3

MDV gas mixing and metering systems for the flexible production and flow control of fuel gases mixed with oxygen or air; especially designed for burners working with pre-mixed gases.

Benefits

- the flexible arrangement of proportional mixing valves (2 gases) or single metering valves (3 gases) provides the flexibility to meet the mixed gas supply requirements of various types of processing machinery
- subsequent changes of machine parameters, e.g. capacities or number of burners, can be easily accomplished because of the modular design
- all parameters can be adjusted with the burners in sight due to the installation of both mixing and metering valves close to the burners
- the perfect repeatability of the parameter settings enables the initial setting of the burners before actually starting the process. This results in reduced set-up times as well as in minimised cost of rejects during start-up
- low assembly cost due to very convenient assembly of mixing and metering valves without any additional pipe work, brackets or housings
- integrated WITT safety technology to prevent dangerous flashbacks or back burns into the gas supply system protecting life and equipment

Please indicate the individual gases as well as number and capacities of the required burners when ordering!



THERMAL PROCESSING MDV systems for pre-mix burners



Type MDV Systems for pre-mix burners

Gases fuel gases such as natural gas, methane, propane,

hydrogen, acetylene with oxygen and/or air

Mixture range dependent on the gases

Gas inlet pressures 0.3 to 10 bar

Gas outlet pressure dependent on the back pressure of the burners

Mixture output (air) approx. 10 NI/min to 1.000 NI/min

(other flow capacities on request)

Accuracy dependent on the mixture range

±2% abs. (scale 0-100%) ±1% abs. (scale 0-25%)

Repeatability better %1± abs.

Gas Connections dependent on valve block size

Materials aluminium, stainless steel, brass

Weight dependent on number of valves

Dimensions (HxWxD) dependent on number of valves

Shut-off valves solenoid valves

24 V DC or 230 V AC

Approvals Company certified according to ISO 9001

CE-marked according to:
- EMC 2004/108/EC

- Low Voltage Directive

2006/95/EC



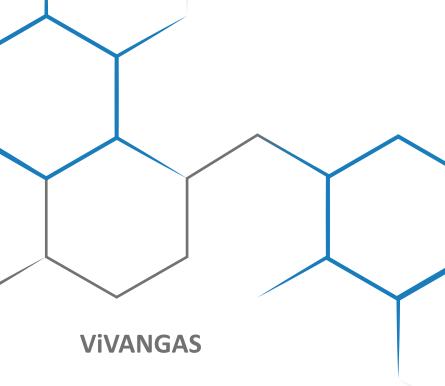


Gas control equipment

- Gas mixing systems
- Gas metering systems
- Gas analysers
- Leak detection systems
- Gas pressure vessels
- Engineering of customised systems

Gas safety equipment

- Flashback arrestors
- Non-return valves
- Quick COUPLINGS
- Safety valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customised safety devices



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