

THERMAL PROCESSING



Application:

- Glass Industry
- Thermal Processing

MDV systems for pre-mix burners

Made in Germany

Product of





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!

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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