THERMAL PROCESSING MDV systems for surface-mix burners





MDV gas metering systems for the flexible production and flow control of fuel gases, oxygen or air; especially designed for surface-mix burners.

Benefits

- the flexible arrangement of metering valves (2 or 3 gases) provides the flexibility to meet the 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 the metering valves close to the burners
- the perfect repeatability of the parameter setting senables 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!

Туре	MDV Systems for Surface-Mix Burners	Gas connections	dependent on valve block size
Gases	fuel gases such as natural gas,	Material	aluminium, brass, stainless steel
	methane, propane, hydrogen, acetylene with oxygen and/or air	Weight	dependent on number of valves
Mixing range	dependent on the gases	Dimensions (HxWxD)	dependent on number of valves
Gas inlet pressures	0.3 to max. 10 bar	Shut-off valves	solenoid valves, 24 V DC or 230 V AC
Gas outlet pressures	dependent on the back pressure of the burners	Approvals	Company certified according to ISO 9001
Flow capacity (air)	approx. 10 NI/min to 1000 NI/min (other quantities on request)		CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive
Repeatability	better ±1% abs.		2014/35/EU

WITT Gas Controls LP, 1055 Windward Ridge Parkway, Suite 170, Alpharetta, Georgia 30005, USA Tel. +1 770-664-4447, Fax +1 770-664-4448, witt-usa@wittgas.com, www.wittgas.us





FLOW CALCULATION OF DIGIVOE-VALVES



Sectional drawing

