



Stay independent...

... of variations in pressure, cycle speeds and packaging sizes

Fully electronic gas mixer for 2 or 3 gases especially designed for operation on flow wrapping machines from all manufacturers. MFC technology which has been tried and tested over decades for precise and highly accurate gas control!

Advantages

- Rapid integration into existing packaging machine control mechanisms
 - Interfaces available: Analogue, Modbus, Profibus, Ethernet, CAN bus
 - Highly dynamic flow rate ranges
 - Integrated solenoid shut-off valve
 - Integrated intake pressure monitoring
 - Integrated flow rate monitoring
 - Independent of fluctuations in intake pressure
 - Independent of packaging speeds
 - Independent of packaging sizes
 - Evaluation of total flow rates for each gas type
 - Harting connector plug
 - Stainless steel housing
 - Low maintenance
 - 3-year warranty
- Option
- Can be combined with integrated O₂ analysis for flow wrapping machines
 - Cost reduction by optimising flow rates independently of residual oxygen content

Mode of operation

Safeguard your production and continuously monitor the quality of the set gas mixture. By integrated control of flow rate quantities, the correct mixture is permanently monitored, and even the smallest deviations can trigger an alert.

Different interfaces enable the gas mixer to be integrated into existing packaging machine control systems independently of the manufacturers involved.

The gas mixer is thus firmly connected to the product data and the right gas mixture is automatically set in accordance with the product selected.

Evaluation of set and actual parameters as well as recording of total flow rate for each gas type allow you to have 100% quality control, continuous intake gas pressure monitoring, and the rapid evaluation of your consumption data.



optional



optional



optional

Rev.l_042019_PCU10 Mix FP _engl • Subject to alterations

HTK gas mixers

This is what makes our gas mixing systems stand out

HTK Hamburg gas mixers guarantee precise gas mixtures, high-precision quality and reliable results. Our gas mixers from the PCU10 series have been especially designed and developed for use in the food sector. We offer gas mixers and analysis devices for every kind of packaging machine used in the food industry: vacuum, deep drawing, flow wrapping or chamber packaging machines.

As the manufacturer, HTK Hamburg places great importance on compliance with ISO, IFS and HACCP standards to make your production processes even more reliable!

- Extremely precise & rapid control
- All components are modular
- High reproducibility
- Calibration with real gas
- Multiple gases per device
- Great potential savings for mixed gases
- Independent of temperature and pressure
- Easy to maintain and service
- 3-year warranty



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Technical data	
Model	PCU10 Mix FP
Gases	O ₂ , N ₂ , CO ₂ ,
Mixing range	0-100% per gas type
Precision	better +/- 0,5%
Reproducibility	better +/- 0,3%
Reaction speed	+/- 500 ms
Intake pressures	min. 4 bar gauge, max. 11 bar gauge
Outlet pressures	min. 0,5 bar lower than the intake pressure
Flow rate ranges	Type A 0 ... 60 l _n /min Type B 0 ... 150 l _n /min. Type C 0 ... 250 l _n /min. Type D 0 ... 450 l _n /min. Type E 0 ... 1.000 l _n /min.
Ambient temperature	0-50°C
Connections	G ¼" oder G ½" internal thread
Analogue interface	0..20 mA, 4..20 mA, 0..5 V, 1..5 V, 0..10 V, 2..10 V
Digital interface	RS-485; Modbus RTU (Slave); Lab View-VIs available Option: ProfiBus DP-V0, DP- V1/Profinet RT/EtherCAT
Dimensions	B = 320mm, H = 150mm, T = 370mm
Weight	approx. 12 kg
Power supply	24 V DC or 230 V AC
Protection type	IP 54
Certifications	CE conformity ISO 9001:2015



Version with Harting connector plug and 4 quick-action hose connector on the rear