

NEW!



MAP Mix 7000 HC is optionally delivered with or without lid.

Introduction to the MAP Mix 7000 HC

The MAP Mix series is based on a proportional mixing principle especially designed for packaging machines and other industrial applications where the gases carbon dioxide, oxygen and the inert gases nitrogen and argon are used either in a 2-gas or 3-gas combination.

The MAP Mix 7000 HC is especially developed for high capacity mixing. The cabinet is made in a simple and sturdy design securing an easy cleaning. The gas mixer is very strong and is developed for gas mixing in a central supply unit within the MA packaging industry or for industrial gas mixing where high capacity is required. The PBI-Dansensor gas mixer is very user-friendly with high accuracy - also under conditions, which usually cause problems for the repeatability of most other mixers.

The mixer features detection of too low gas inlet pressure with an alarm relay output to the external control. The standard version of the mixer can among others be combined with PBI-Dansensor's micro processor controlled high quality gas analyser.

Mixer principle

The mixing is made via pressure sections maintaining a constant pressure with a following control restriction. The proportion of the mix is constant as standard and the mixer is equipped with a manometer on the inlet and outlet.

Features

- High accuracy for optimal mixing quality
- Proportional gas mixing principle
- Prepared for use with a microprocessor controlled gas analyser
- Electronic alarm for inlet gas pressure failure
- High flow rate
- Sturdy industrial design made in stainless steel/ aluminium
- High application flexibility

Wide serie of gas mixers

PBI-Dansensor also offers electronic gas mixers, which as a special feature will be prepared for easy change of different pre-selected gases.

Technical specifications

| General | |
|----------------------------|--|
| Accuracy: | Better than +/- 2% absolute |
| Pressure: | Inlet: 12 - 20 bar (with 3 bar as a max. difference) Outlet: 2 - 8 bar |
| Gas in/gas out: | Lower panel |
| Mixture adjustment: | Proportional (needle valves can be locked manually after adjustment) |
| Alarms: | Acoustic and visual alarm for gas inlet pressure failure |
| Dimensions | 2-3 gas: Stainless steel 702 x 444 x 223mm (HxWxD without mounting brackets) |
| Weight: | 2-gas: 21 kg without lid (28 kg with lid) 3-gas: 25.5 kg without lid (32.5 kg with lid) |
| Power supply: | 100 V, 115V and 230V |
| IP: | IP54 with optional lid |

Matrix MAP Mix 7000 HC

The matrix below shows the three different configurations of MAP Mix 7000 HC and the capacity of the gas mixer m³/h from buffer pressure 2-8 bar. Adjustment of correct buffer pressure is done on site.

MAP Mix 7000 HC, 200 m³/h

| Buffer pressure | Inlet P 15 bar | Inlet P 18 bar |
|-----------------|----------------|----------------|
| 8 | 211 | 220 |

MAP Mix 7000 HC, 100 m³/h

| Buffer pressure | Inlet P 15 bar | Inlet P 18 bar |
|-----------------|----------------|----------------|
| 5 | 181 | 181 |
| 6 | 172 | 172 |
| 7 | 153 | 155 |
| 8 | 132 | 132 |

MAP Mix 7000 HC, 50 m³/h

| Buffer pressure | Inlet P 15 bar | Inlet P 18 bar |
|-----------------|----------------|----------------|
| 2 | 104 | 104 |
| 3 | 102 | 102 |
| 4 | 99 | 101 |
| 5 | 98 | 98 |
| 6 | 92 | 90 |
| 7 | 83 | 85 |
| 8 | 72 | 67 |

Distributor

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