

iMix-Gas mixer-Gas supply panel (GVT) for beverage dispensing

Carbonation, i.e. excess of CO₂ in the beer, can be avoided by using gas mixtures of carbon dioxide (CO₂) and nitrogen (N₂).

Nitrogen, as carrier gas, feeds the beer to the tap to dispense it and helps to maintain the CO₂ in the beer.

The gas mixture required depends on the saturation pressure, the required CO₂ content of the respective beer and the pressure loss of the system.

When calculating the perfect gas mixture, the storage temperature for example, as well as the flow rate, the pipe length and pipe cross-section have to be taken into account.

As the perfect mix depends on many factors on site, expensive pre-mixed gases can rarely be used. Therefore, it is essential to use a gas mixer for common mixtures.



Fig:
Gas mixer **iMixcompact** for two
gas mixtures
(also available for up to four
gas mixtures, type **iMixclassic**)

[Watch the video now:](#)



Technical Data iMix-gas mixer-Gas supply panel (GVT):
with gas mixer type **iMixcompact** with German SK approval.

Carrier gas: Nitrogen [N₂]

Inlet : W24,32x1/14-nut - DIN477 No.10, hose length 1m

Additive gas: Carbon dioxide [CO₂]

Inlet : W21,8x1/14-nut - DIN477 No.6 , hose length 1m

- High pressure regulator with relief valve for N₂ and CO₂
- 2 intermediate pressure regulators with relief valve for mixed gas, outlet pressure max. 3 bar
- Outlet: Hose tail G3/4x8mm with nut G3/4
- Mixing precision: DIN EN ISO 14175
- Inlet pressure P_v: max. 200bar [N₂] / max. 60bar [CO₂] ; min. 5bar
- Mixed gas capacity: min. 1 l/min - max. 50l/min, per gas mixture
- Two predefined and pre-adjusted gas mixtures:
Mix A , Mix B

Gas mixer type iMixcompact German SK approval
with integrated constant pressure regulators



- Gas mixer with diffusion mixing system
- Due to the mixing principle this mixer ensures a constant gas mixture even in case of gas withdrawal variations
- No power supply required
- Mixture production stops automatically when gas supply is interrupted



SOLUTIONS FOR GASES