



C4-Z1004R01

Mixing unit for the production of gas mixtures with 3M™ Novec™ 4710*

C5-Z1004R01

Mixing unit for the production of gas mixtures with 3M™ Novec™ 5110*

The mixing units have been specially developed for the handling of gas mixtures based on 3M™ Novec™ 4710 or 3M™ Novec™ 5110 and their specific requirements. A total of four gas components can be mixed. The gas mixture is circulated by the compressor to generate a homogenous mixture.

Using the integrated compressor, the generated gas mixture can be filled directly into gas compartments or for transportation, stored into cylinders with up to 100 bar.



If necessary, e.g. when changing the mixing ratio, the mixing vessel can be emptied completely (< 1 mbar). The integrated vacuum compressor also enables the complete recovery of pressure cylinders, so that any residual quantities of the insulating fluids Novec 4710 or Novec 5110 can be completely fed into the mixing process and no gas loss occurs. A device that combines the latest technology with economic efficiency.

Adjustable gas components:

- » C4/C5 (3M™ Novec™ 4710/5110)
 - » Carbon dioxide CO₂
 - » Oxygen O₂
 - » Nitrogen N₂
 - » Other gas components available on request
- Gas storage: up to max. 100 bar
 - Recovery of gas down to < 1 mbar and storage into cylinder or gas compartment
 - Automatic control and 10" capacitive multi-touch panel
 - Optional operation via mobile devices
 - Digital weighing scales for pressure cylinders

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MIXING UNIT C4/C5


C4-Z1004R01

MIXING UNIT FOR THE PRODUCTION OF GAS MIXTURES WITH 3M™ NOVEC™ 4710^{*)}

C5-Z1004R01

MIXING UNIT FOR THE PRODUCTION OF GAS MIXTURES WITH 3M™ NOVEC™ 5110^{*)}**Technical data:**

Dimensions: Length 1.400 mm, Width 900 mm, Height 1.500 mm
Weight: 720 kg

Standard equipment:

Oilfree B280R80 compressor (5.7 m ³ /h [at 50 Hz]; 6.8 m ³ /h [at 60 Hz]) 100 bar
Vacuum compressor 3.3 m ³ /h (at 50 Hz) and 3.9 m ³ /h (at 60 Hz), final vacuum < 3 mbar)
Oilfree suction pump for recovery of mixing vessel (15 m ³ /h [at 50 Hz]; 18 m ³ /h [at 60 Hz]), final vacuum < 1 mbar)
100 l mixing vessel
Particle filter
Indications in bar/mbar, kPa or psi/torr, selectable on the operating panel
Fork lift provisions
Weighing scales for mixing vessel ±2 g
3 m long storage connecting hose DN8, with coupling tongue part DN20 (filling of cylinders)
Frame with crane eyelets
Couplings DN20
Fixing and steerable rollers
Different wrenches
Paint: green (RAL DESIGN 120 70 70)
Operating manual

Operating voltage:

208 - 240 V / 60 Hz
380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz

Optional accessories at an extra charge:

5 m long wire braided hose DN20 with protective metal sheathing with coupling tongue part on both ends DN20 (M48) - C4	C4-6-1366-R050
5 m long wire braided hose DN20 with coupling tongue part DN20 on both ends DN20 (M48) - C4	C4-6-1367-R050
5 m long wire braided hose DN20 with protective metal sheathing with coupling tongue part on both ends DN20 (M43) - C5	C5-6-1375-R050
5 m long wire braided hose DN20 with coupling tongue part DN20 on both ends DN20 (M43) - C5	C5-6-1389-R050
Digital bottle scales up to 120 kg with tare function	K091R65/ K091R67

Packing:

Packing for C4/C5-Z1004R01	3-751-R016-C
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