

C4-G170R51V1

MegaReclaimer for C4-FN

Unit for recovery of gas mixtures with C4-FN

For professional recovery of gas mixtures

This model range has been specially developed for liquid storage and the emission-free recovery of gas mixtures down to a final vacuum of 1 mbar based on C4-FN and its specific requirements. The maximum storage pressure is 150 bar (pe). The recovered gas quantity can be determined accurately by means of the integrated digital scales.

Modern control technology in conjunction with a user-friendly interface in several languages make device operation simple and convenient. Operation via mobile end devices such as smartphones, tablets or laptops is available as an option. The external cover of the device protects the integrated components and considerably reduces noise. This series offers fully automated operation via a 7" touch screen with protective cover shielding from sunlight and dust. The swivelling touch screen allows ergonomic working at the optimum working height. For data exchange additional USB and Ethernet connections are integrated. The device can be easily maintained without emissions.



The actual product may differ slightly from the image.

Standard version

- oilfree DILO compressor (15 m³/h [at 50 Hz]; 18 m³/h [at 60 Hz]), pressure 150 bar
- oilfree suction pump for recovery of gas mixtures (35 m³/h [at 50 Hz]; 42 m³/h [at 60 Hz]), final vacuum 1 mbar
- dry filter (molecular sieve)
- particle filter 1 µm
- operation and indication of important process parameters via 7" touch screen with protective cover
- indication units in bar / mbar, kPa or psi / torr to be selected on the touch screen
- fork lift slots
- crane eyelets
- fixing and steerable rollers
- 2 m long storage connecting hose, DILO coupling DN8
- DILO coupling DN20 (M48x2), DN40 (M78x2)
- digital weighing scales for gas mixture cylinders (with automatic switch-off function), 0 - 120 kg with tare function, accuracy ± 0.02 %
- wrenches for DILO couplings and filters
- paint: green-anthracite

Special features

- Gas type: C4-FN
- Gas recovery: < 1 mbar
- Maximum storage pressure: 150 bar
- Operation: automatic
- DILO couplings: DN20/DN40

Advantages & functions

- recovery of gas mixtures down to 1 mbar
- up to 150bar storage pressure for efficient gas storage
- digital weighing scales for storage cylinders
- easy maintenance and safe transport
- DILO threads adapted to the basic gas to prevent incorrect connection

Technical data

Dimensions (W x H x D)	1,100 x 1,350 x 2,350 mm
Weight	880 kg
Ambient temperature	0 to +45 °C
Operating temperature	0 to +45 °C
Storage temperature	-20 to +60 °C
Protection class	IP54
Sound level	70 dB

Configuration

Screen	
7" touch screen	Operation of the device and indication of the process parameters via 7" colour touch screen
7" touch screen + WLAN	Operation of the device and indication of the process parameters via 7" colour touch screen + WLAN
7" touch screen+WLAN+Cosy NA	Operation of the device and indication of the process parameters via 7" colour touch screen + WLAN + Cosy 4G
7" touch screen+WLAN+Cosy EU	Operation of the device and indication of the process parameters via 7" colour touch screen + WLAN + Cosy 4G
Operating voltage range	
208 - 240 V / 60 Hz	208 - 240 V / 60 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
380 - 460 V / 50 Hz	380 - 460 V / 50 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
380 - 480 V / 60 Hz	380 - 480 V / 60 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
200 V / 50 Hz	200 V / 50 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
200 V / 60 Hz	200 V / 60 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
208 - 240 V / 50 Hz	208 - 240 V / 50 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
600 V / 60 Hz	600 V / 60 Hz, 3-phase current with neutral conductor (L1, L2, L3, N, PE)
Device covering	
standard sheet-metal covering	With sheet-metal covering for the complete device
with tarpaulin	
Integrateable features (pressure vessel, chassis and rollers)	
Fixing and steerable rollers	
Rollers & transportation lock	With transportation lock for fixing and steerable rollers to store the device in a safe way (e.g. on a truck) and to relieve the load from the fixing- and steerable rollers.
Chassis with solid tyre wheels	Chassis with solid tyre wheels, diameter 400 mm

Optional accessories

C4-6-1024-R050 C	Wire-braided hose, 5 m long, coupling tongue part DN20 (C4-VK/F-02/20 C , M48x2) on both ends, PN 40 bar
C4-6-1069-R050 C	5 m long wire braided hose DN20 with protective metal sheathing with coupling tongue part on both ends DN20 (M48x2) - C4-FN
C4-6-1080-R050 C	5 m long wire-braided hose DN40 with DILO coupling tongue part DN40 on one end and DILO coupling tongue part DN20 on the other end (M48x2) - C4-FN
6-1053-R003/1M	Electrical connecting cable 5x6 AWG9 (available lengths 5 - 30 m)
6-1053-R004/1M	Electrical connecting cable 5x16 AWG5 (available lengths 5 - 30 m)
C4-B077R22	Portable pre-filter unit (p _e 50 bar)
6-1434-R001	Spare parts kit for compressor (piston rings)
6-1434-R002	Spare parts kit for compressor (valve seats)
C4-6-1101-R135	Spare filter kit (for dry and particle filter)

Packaging

3-751-R015-C	Packing for C4-G170R51
--------------	------------------------

Note

For the 380 - 480 V voltage range the following cable is required: 6-1053-R003

For the 208 - 240 V voltage range the following cable is required: 6-1053-R004