

## ECONOMY SERIES C4/C5



Alternative Gases – Our joint contribution to climate protection

C4-G057R01

**Service cart for C4-FN**

C5-G057R01

**Service cart for C5-FK**

Our customers rely on and trust in well-proven and safe gas handling which has been thoroughly tried and tested for decades. This principle is also true for our G057 ECONOMY Series for Alternative Gases. DILO sets highest priorities to zero emissions with this series for gas mixtures with C4-FN and C5-FK.

This allows the complete gas handling of Alternative Gases in gaseous and liquid state to be carried out efficiently and safely on site in the usual manner. Thanks to a state-of-the-art control system, all essential functions run automatically and are operated and clearly displayed on a 10" touch screen. The operating software with intuitive navigation in several languages makes operation simple and convenient. This is also reflected in the operating safety of the service cart: the use of couplings adapted to the type of gas prevents unintended confusion.



Switching between different mixing ratios of the Alternative Gas is possible at any time with the optionally available compressor unit for easy gas recovery of the service cart.

Thanks to the integrated buffer tank it is easy to homogeneously fill the gas compartments, independent of the gas compartment size. Thus, a gas compartment with 1000l and 5 bar pa can be recovered down to 1mbar in only 106 minutes when using the DN20 coupling. Not only does the metal casing of the service cart protect the internal components, but also noticeably reduces the noise level. As an option, the service cart can also be operated by remote control via mobile devices such as smartphones, tablets or laptops.

The innovative ECONOMY series in ergonomic design satisfies our customers' requirements in daily use.

- Professional handling of gaseous and liquid gas mixtures
- Storage pressure of up to 100bar for efficient gas storage
- Integrated buffer tank for storage of homogeneous gas mixtures
- Filling of the gas compartment up to 15bar (optional)
- Induction heating system for quick gas withdrawal from liquefied cylinders
- Intuitive operation via 10" touch screen
- Optional remote control via mobile devices
- Automatic special functions for emission-free maintenance




**ECONOMY SERIES** C4/C5

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**Service cart for C4-FN**

C5-G057R01

**Service cart for C5-FK****Technical data:**

Dimensions: Length 1.850 mm, Width 1.000 mm, Height 2.000 mm
Weight: 1.221 kg

**Standard equipment:**

Oilfree DIL0 compressor (5.7 m <sup>3</sup> /h [at 50 Hz]; 6.8 m <sup>3</sup> /h [at 60 Hz]), pressure 100 bar
Oilfree suction pump for recovery of gas mixtures (15 m <sup>3</sup> /h [at 50 Hz]; 18 m <sup>3</sup> /h [at 60 Hz]), final vacuum < 1 mbar)
Vacuum pump for evacuation of air (40 m <sup>3</sup> /h [at 50 Hz]; 48 m <sup>3</sup> //h [at 60 Hz], final vacuum < 1 mbar)
Operation and indication of the important process parameters via 10" touch screen with protective cover
Evaporator
Dry filter
Particle filter 1 µm
Induction heating system
Selectable pressure and vacuum units
Vacuum indication: 0 - 100 mbar, resolution accuracy 0.1 mbar
Digital weighing scales for gas mixture cylinders (with automatic switch off function), 0 - 120 kg with tare function, accuracy ±20 g
DIL0 couplings: on the inlet side: DN20, on the outlet side: DN8
Integrated 600l buffer tank for gaseous intermediate storage
1 m long storage connecting hose, coupling tongue part DN8
Fork lift slots
Crane eyelets
Lockable drawer for storing tools, adapters and hoses
Fixing and steerable rollers
Different wrenches
Protection class IP54
Sound pressure level < 70dB(A)
Paint: anthracite-green
Operating manual

**Operating voltage for service carts (3-phase current ranges to be selected):**

208 - 240 V / 60 Hz	6-057SP-R051
380 - 440 V / 50 Hz or 380 - 480 V / 60 Hz	6-057SP-R052






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C5-G057R01

**Service cart for C5-FK**

Optional additional equipment (mounted) at an extra charge for all service carts of the Economy series:

Additional price for electrical special voltage 200 V / 50 - 60 Hz 3-phase current	6-057SP-R053
Additional price for electrical special voltage 210 - 240 V 50 Hz 3-phase current	6-057SP-R054
Additional price for electrical special voltage 600 V / 60 Hz 3-phase current	6-057SP-R055
Vacuum pump, (63 m <sup>3</sup> /h [at 50 Hz]; 76 m <sup>3</sup> /h [at 60 Hz]), final vacuum < 1 mbar	6-057VP-R001
Vacuum pump, (100 m <sup>3</sup> /h [at 50 Hz], 120 m <sup>3</sup> /h [at 60 Hz]), final vacuum < 1 mbar	6-057VP-R002
Two-stage vacuum pump with exhaust filter, nominal suction capacity (55 m <sup>3</sup> /h [at 50 Hz]; 65 m <sup>3</sup> /h [at 60 Hz]), final vacuum 0.0067 mbar	6-057VP-R007
Precision vacuum sensor 100 mbar, resolution 0.001 mbar instead of 100 mbar, resolution 0.1 mbar for gas compartment A	K207R01
Precision vacuum sensor 100 mbar, resolution 0.001 mbar instead of 100 mbar, resolution 0.1 mbar for gas compartment B	K207R02
Additional price for integrated 1000l buffer tank for gaseous intermediate storage	6-057DB-R001
Automatic control and switch off function (evacuation, filling, gas recovery) when reaching the corresponding final values	K141R11
Gas recovery unit for switching over between different mixing ratios	
C4-FN	C4-K250R01
C5-FK	C5-K250R01
Tarpaulin (anthracite)	6-057KA-R002
Chassis with solid tired wheels Ø 400 mm	6-057FG-R001
Relief of fixing and steerable rollers for transport	K223R057
Additional coupling DN20 (gas compartment B) for simultaneous evacuation and recovery or filling	
C4-FN	C4-K177R12
C5-FK	C5-K177R12
Increase of the maximum gas compartment filling pressure of pa 10 bar to pa 15 bar	K205R02
Remote control (Wi-Fi) via mobile devices	K176R13

Optional equipment at an extra charge for all service carts of the Economy series:

5 m long wire braided hose DN20 with protective sheathing and DN20 (M48) coupling tongue part on both ends - C4-FN	C4-6-1069-R050
5 m long wire braided hose DN20 with DN20 (M48) coupling tongue part on both ends - C4-FN	C4-6-1024-R050
5 m long wire braided hose DN20 with protective sheathing and DN20 (M43) coupling tongue part on both ends - C5-FK	C5-6-1069-R050
5 m long wire braided hose DN20 with DN20 (M43) coupling tongue part on both ends - C5-FK	C5-6-1024-R050
Electrical connecting cable 5 x 6 AWG 9 for 380 – 600 V (available lengths 5 - 30 m)	6-1053-R003
Electrical connecting cable 5 x 10 AWG 7 for 200 – 240 V (available lengths 5 - 30 m)	6-1053-R005

Spare parts kits for G057R01:

Annual maintenance kit for G057R01 with standard vacuum pump (40 m <sup>3</sup> /h)	C4-6-1048-R431
Annual maintenance kit for G057R01 with 6-057VP-R001 (63 m <sup>3</sup> /h) / R002 (100 m <sup>3</sup> /h) vacuum pump	C4-6-1048-R432
Annual maintenance kit for G057R01 with 2-stage 6-057VP-R007 vacuum pump	C4-6-1048-R433
Spare parts kit for compressor	6-1409-R013/ -R004
Spare filter kit (for dry and particle filter)	C4-6-1101-R122

Packing for G057R01:

Packing for G057R01 with 600l buffer tank	3-751-R018-C
Packing for G057R01 with 1000l buffer tank	3-751-R014-C

