

For the tool machine

combiloop CL2 G



müller
efficiency matters

Pure sustainability with the combiloop CL2 G high-pressure system

Clever Industry 4.0 features, dynamic high-performance filters with washable changeable filter elements for maximum sustainability, the ingenious contaminant pre-separation in the 3-chamber tank system and the large 200-litre clean liquid tank all combine to make the combiloop CL2 G the profit booster for all those who process very fine-chip materials such as aluminium and low-lead / lead-free brass. Even deep-hole boring of up to 1.6 mm and 20 x D can be carried out in a single move. The standard interface ensures instant and efficient continuous operations.



Best-in-class comfort segment high-pressure system up to 100 bar for cost-reducing chip control in continuous use.



- 1 Aesthetic: timelessly beautiful design with sophisticated details
- 2 150-µm pre-separation plus changeable filter and transfer pump
- 3 Choice of filter fineness (25–60 µm) for washable, sustainable mesh elements
- 4 Clean, safe replacement of the filter elements from above; hydrodynamic filtration
- 5 Clearly visible advance contamination warning (LED)
- 6 Quick access to the pull-out motor-pump unit
- 7 Very large clean liquid tank in the high-pressure comfort segment (200 l)

// Clever modular system to the highest standards

- + Progressive to 100 bar
- + Early chip breakage, spindle flush, facilitates deep-hole drilling
- + Industry 4.0 safety features to prevent machine downtimes
- + Flow-rate monitor fitted as standard
- + Operates with any standard cooling lubricant
- + Tool lifetimes increase up to 10-fold

// Ingenious, well-considered design

- + High temperature stability thanks to 200-litre clean liquid tank
- + Fast filter change from above with no contamination of the clean area
- + Lightweight removable inspection panels: tightest installation

- + Easy to service: motor-pump unit pulls out
- + Accessibility: high operating and service ergonomics
- + Safety, professionalism, durability

// Ingenious filter concept + 200-litre clean liquid tank

- + Long service lives, significant reduction in operating costs
- + Double changeover filter: no downtime when changing filters
- + 3-chamber pre-separation system (150 µm)
- + Increased service lives thanks to the dynamic fine filter concept (to 25 µm)
- + Wire mesh: not polymer, reusable, cost-efficient, recyclable
- + Various filter concepts for tailor-made flexibility



On-the-fly change: The double changeover filter means that the filter can be changed during ongoing machine operation – always safe, clean and easy.

More at:
muellerhydraulik.de/en



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Picture at top:

The combiloop CL2 G is designed for compactness, flexibility, safety and performance! The 200-litre tank ensures a high level of temperature stability despite the compactness of the system. High-pressure generation to 100 bar is achieved by a robust quality gear pump. Flow monitors and clever Industry 4.0 early-warning features for filter changes ensure smooth multi-shift operation.

Picture on left:

The 3-chamber pre-separation system protects the changeable filters. Hydrodynamic filtration, in which the medium is pressed through our high-performance filters (30% larger area), ensures the maximum separation efficiency in the smallest space compared to hydrostatic filters such as bag or compact belt filters.

EQUIPMENT	<ul style="list-style-type: none"> · Approx. 1,050 x 590 x 1,120 mm (L x W x H), weight approx. 270 kg · < 100 bar, high-pressure pump as constant pump (gear pump), 3-chamber tank system with pre-separation, 200-litre clean liquid tank, electronic control · Power supply 3~ / PE 400 V / 50 Hz
FLOW RANGE	· 9 / 12 / 16 / 20 / 24 l/min
PRESSURE	· To 70 bar or 100 bar, depending on the version
FILTERS	<ul style="list-style-type: none"> · 150-µm prefilter integrated in 3-chamber tank system · Exchangeable filter, mesh washable · Double changeover filter, mesh washable
FILTERFEINHEIT	· 25 µm / 40 µm / 60 µm (option: 10 µm)
OPERATION	<ul style="list-style-type: none"> · Cutting oil · Water emulsion (minimum 8% oil content)
SERVICE CONNECTIONS	· Up to 10 controllable service connections
FEATURES	<ul style="list-style-type: none"> · Flow sensor as standard · Visual early warning as yellow LED light when filter contamination reaches 80% · Electric early warning for filter change · Clear, modern functions visualisation via LED colour coding system



Would you like to know more? We will be happy to advise you! Contact us to arrange a consultation – online, over the phone or in person.