

For machine tools

combiloop CL1 E



Highly flexible and perfect for under the bar feeder

This high-pressure unit combines high performance and modern design in a cost-effective way. The filter concept with a surface area of 18,000-20,000 cm² ensures maximum efficiency in the compact class. Thanks to its compact dimensions, the combiloop CL1 E fits under many bar feeders. As a mobile unit, it is ideal for alternating use on different machines, e.g. for small batches.



Particularly flat, compact high-pressure system with accessible technology, ideal for tight installations under the bar feeder. Robust gear pump and high-performance dynamic filter as a double duplex filter enable high-pressure cutting without downtime in continuous operation.

- 1 Mobile high-pressure system in an attractive design
- 2 Replaceable filter access: quick, clean replacement from above
- 3 Practical switching: Double changeover filter (not visible)
- 4 Ergonomically integrated manual pressure adjustment
- 5 User-friendly: Status displays and main switch as a unit
- 6 Perfectly accessible electrical control integration

// Clever modular system with the highest standards

- + Infinitely variable up to 70 bar with robust, low-noise gear pump
- + Early chip breaking, spindle flushing, enables deep hole drilling
- + Serves all common cooling lubricants
- + Up to 10 times longer tool life

// Ingenious, well thought-out design

- + Quick filter change from above, without contaminating the clean area
- + Electrical contamination indicator
- + Safety, professionalism, durability
- + Lightweight, removable inspection panels: extremely compact installation
- + Accessibility: high operating and service ergonomics

// Ingenious filter concept

- + Long service life, significant reduction in operating costs
- + Double changeover filter: no downtime when changing filters
- + Fine filter as a high-performance wire mesh filter
- + Increased service life thanks to dynamic fine filter concept (up to 25 µm)
- + Wire mesh: no polymer, reusable, cost-efficient, recyclable
- + Different filter concepts for customised flexibility



Space is a scarce and expensive commodity in production. The combiloop CL1 E makes optimum use of space, fits under many bar feeders, and offers high performance with minimum space requirements.

Learn more at:
muellerhydraulik.de/en



Simply better for
the future. 



Top image:

Depending on the expansion stage, the switchable high-pressure outlets can be set via M functions and preselectable pressure levels directly from the machine control of the machine tool.

Image on left:

In combination with the optional double changeover filter concept, the combiloop CL1 E means no more downtime when changing filters. An alarm signals filter contamination. Our highly efficient hydrodynamic spin-on filters with the largest surface area for maximum service life are used. The washable wire mesh elements are easy to clean in an ultrasonic bath, which reduces operating costs and protects the environment.

EQUIPMENT	· Approx. 690 x 565 x 565 mm (L x W x H), weight approx. 140 kg · < 70 bar, high-pressure pump as constant pump (robust gear pump) · Power supply 3~/PE 400 V/50 Hz
FLOW RATE AREA	· 9 / 12 / 16 / 20 / 24 l/min
PRESSURE	· Progressive up to 70 bar
FILTER / FILTER FINENESS	· Exchangeable filter, washable wire mesh (25 µm, 40 µm, 60 µm) · Double changeover filter, washable wire mesh (25 µm, 40 µm, 60 µm) · Electrical clogging indicator
OPERATION	· Cutting oil · Water emulsion (min. 8 % oil content)
SERVICE CONNECTIONS	· Up to 6 controllable service connections
ELECTRICAL INTERFACE	· Dual-channel monitoring in accordance with machine safety guidelines for all common machine tools with their own control intelligence
FEATURES	· Frequency inverter · Mechanically pressure-controlled high-pressure outlets · Pressure control via the machine programme · High-pressure pump also available as a screw pump



Want to learn more?
We're happy to advise you! Schedule a consultation
– online, by phone, or in person.



Maximize efficiency in minutes – save thousands:
The Müller Configurator helps you find the perfect high-pressure
system in just 12 steps! Scan the QR code to try it out.