

For the tool machine

combiloop CL1 B



Constant medium pressure machine for high flushing performance

Using the combiloop CL1 B pressure boost solution, in next to no time you have created a self-sufficient supply solution: process reliability with a maximum of up to 25 bar and with a cooling lubricant flow rate of up to 60 litres. Highly compact, sustainable, energy-efficient and, in contrast to normal coolant pumps, always stable and reliable in terms of performance thanks to the dual-pump feeder principle and integrated filtration, and without machine downtime.

Pressure increase and filtration in a closed, aesthetically appealing complete system – this increases machining efficiency and process reliability.

- 1 Aesthetically enclosed booster pump
- 2 Clearly visible LED lamp indicates when the system is in operation
- 3 Service-friendly, speedy access to the technology
- 4 Double pump feeder principle: feeder and step pump
- 5 Against machine downtime: integrated filter (optionally double change-over filter)

// Systemic concept

- + Pressure boosting and filtration in one
- + Effective rinsing of the turret, spindle, counter spindle and workpiece
- + Avoiding blocked bone tubes
- + Increased efficiency and productivity
- + Less scrap
- + Reduced chip build-up inside the machine
- + No peripheral piecework
- + Standardisation, safe system
- + Work safety, cleanliness and a professional look in production
- + For all cooling lubricants

// High-performance filter

- + 30% longer service life due to folding technology (surface enlargement)
- + Wire mesh (washable): environmentally friendly, cost-efficient
- + Longer coolant life and tool life

// Double pump feeder principle

- + No pressure loss
- + No loss of delivery capacity
- + Pumps insensitive to dirt
- + Process / performance reliability

// Ensuring productivity

- + Integrated pre-warning for filter cleaning (LED display)
- + Integrated bypass avoids increased heat input
- + Optional frequency converter

More on:
muellerhydraulik.de/en/



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Picture on left:
Clear design, operating status clearly visible, easy to connect

Picture top right:
Compact and ergonomically easy to access: pump, filter, control



Picture bottom right:
High-performance wire mesh filter: thanks to the special folding technology with 30% more filter area and service life than conventional filters! Tools, machine components and workpieces are protected, thus reducing operating costs and reject rates. The optional double change-over filter prevents machine downtimes, providing even greater efficiency and productivity values.

EQUIPMENT	<ul style="list-style-type: none"> · Approx. 655 x 544 x 1,289 mm (L x W x H), weight approx. 314 kg · 25 bar, pressure booster pump as a constant pump, bypass for pump protection and heat prevention, optional frequency control
FLOW RATE	<ul style="list-style-type: none"> · Qmax = 60 l/min
PRESSURE	<ul style="list-style-type: none"> · pmax = 21 bar with cutting oil · pmax = 25 bar with water emulsion
FILTER	<ul style="list-style-type: none"> · Single filter, mesh, washable · Double change-over filter, mesh, washable
FILTER FINENESS	<ul style="list-style-type: none"> · 250 µm, mesh (standard) / option: 100 µm, 60 µm, 40 µm
OPERATION	<ul style="list-style-type: none"> · Cutting oil · Water emulsion · Synthetic cooling lubricants



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.