

POTENTIAL RATIONALISATION WITH HIGH PRESSURE

The following calculations are based on a customer's situation. The calculations refer to a turning and milling center, which is now used in combination with combiloop CL3 plus reversing flow automatic filter.

Basic data:

- Turning and milling center
- Machine running times (with combiloop): 192 days a year / 21 hours a day
- Machine hour rate here: approx. €48 per hour

Ratio	Description	Advantage	EURO
High pressure	Drill wear	Sevenfold reductions	5.472
	Working without clearing	8% time savings	17.136
Full or partial flow filtration	No filter changes, no consumables	Time and cost advantage	1.380
	Improved cooling lubricant life for full flow filtration	10% cost savings	950
Energy efficiency	Regulating pump effect	Approx. 3–4 kW/h savings	1.755
	Cooling for constant pump	Does not apply to CL + CS (cost advantage)	1.317
Process safety	Improved quality output	Here, the advantage can be estimated only with caution	6.000
	Unattended multishift operations practically possible		
Total		192 production days/year 21 hours/day	34.010

Further Information

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