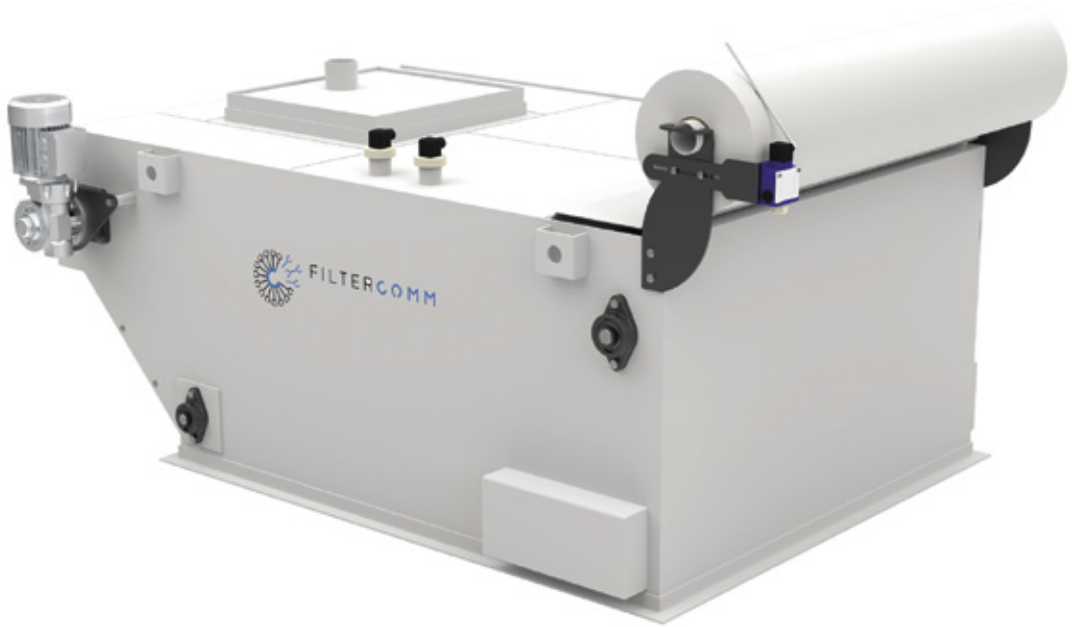
FILTERCOMM



HYDROSTATIC
COOLANT FILTERS

DEEPFLOW

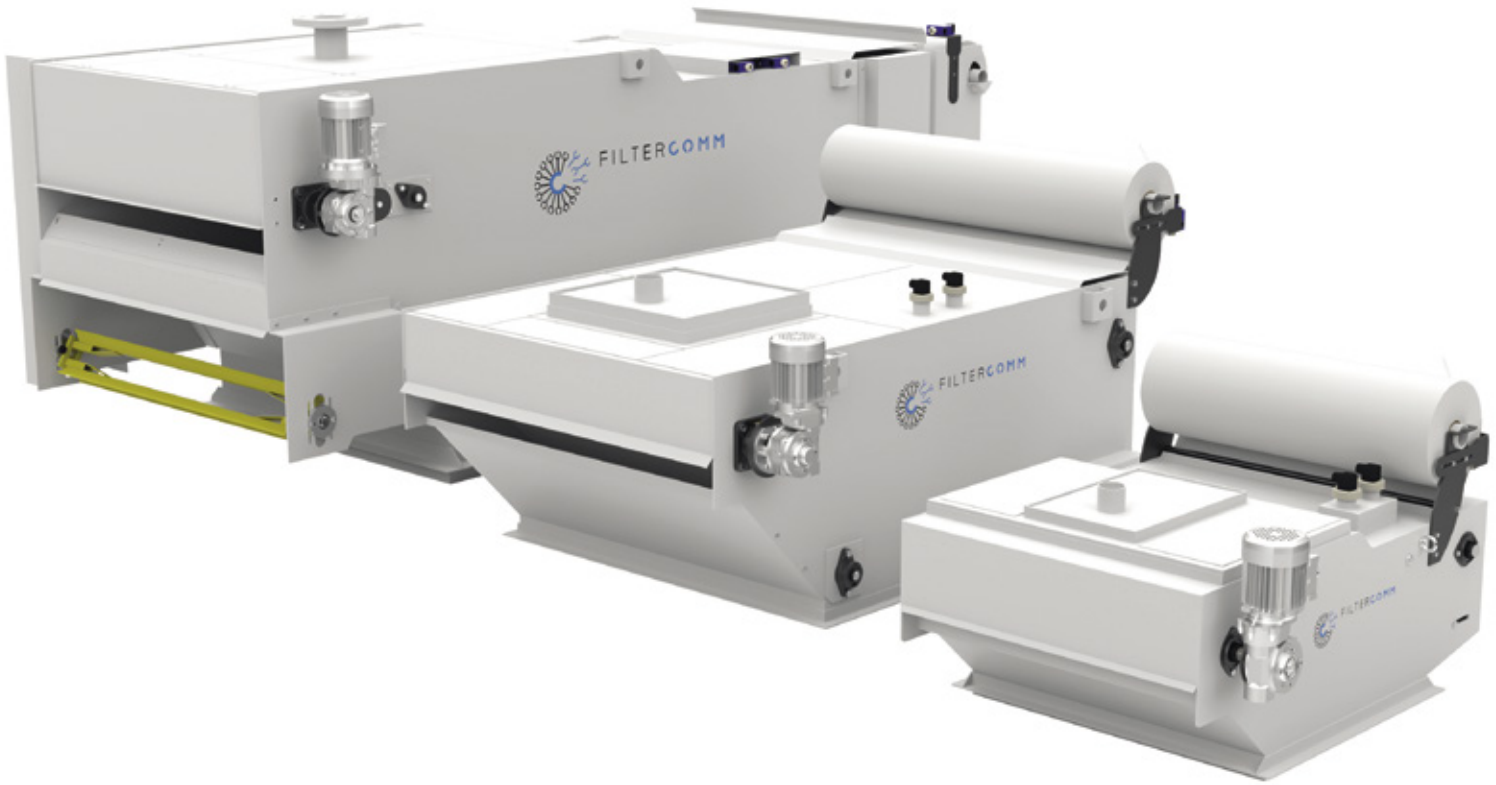
FILTERCOMM

DEEPFLOW

High efficiency gravity filters

Paper media hydrostatic filtration systems for treatment of large quantities of coolant in reduced space.

DEEPFLOW



1000 / 1500 **400 / 600** **150 / 250**

DEEPFLOW

WORKING PRINCIPLES

1

Dirty coolant entry:

The contaminated coolant is conveyed to the filter by gravity or pressure and passes through **a diffuser which serves to distribute the liquid on the underlying filter fabric** where the pollutants are retained.

2

Filtration process:

The pressure created by the large amount of coolant within the filter progressively creates **a compact layer of waste material on the fabric**, increasing the degree of filtration as well as reducing the consumption of filter media. When the fabric is completely clogged, the liquid level rises and lifts the float.

3

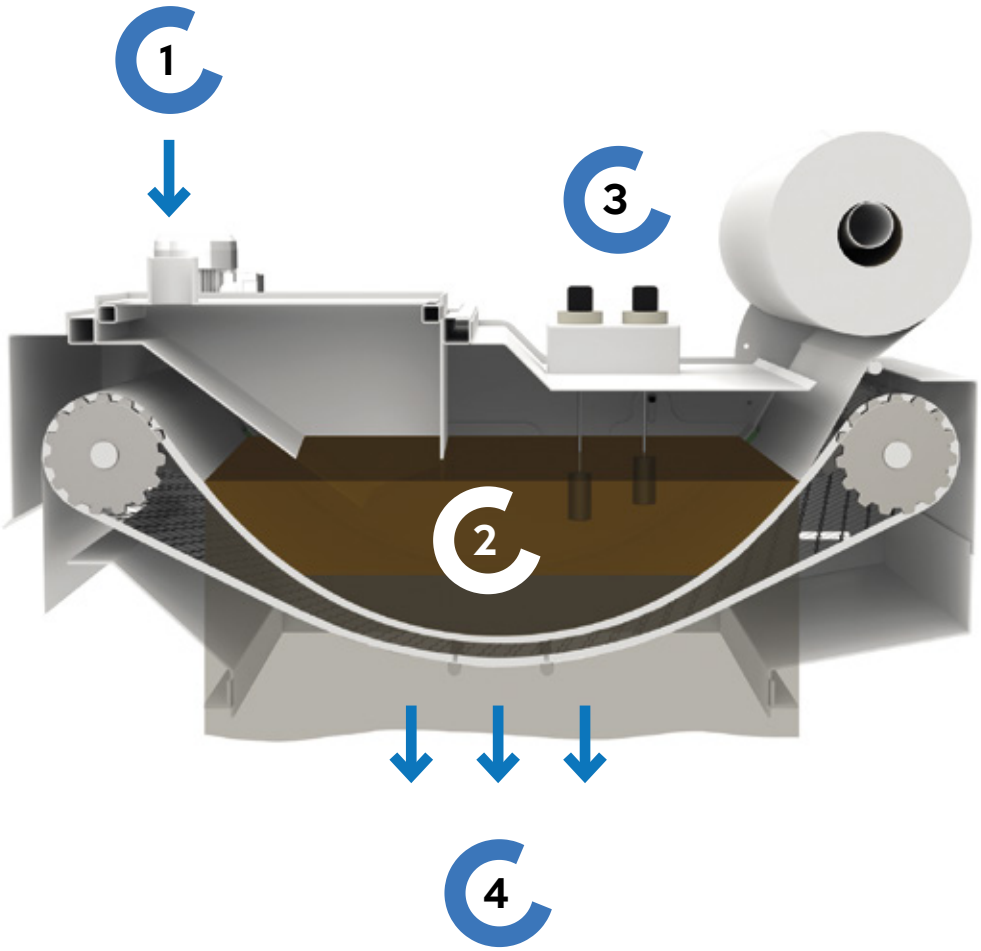
Filter media advancement:

The float starts **the gearmotor which rotates the chain on which the clogged fabric rests**. It is then automatically extracted and rewound (optional) and replaced by a portion of clean fabric, restoring the initial permeability and allowing the coolant to flow again.

4

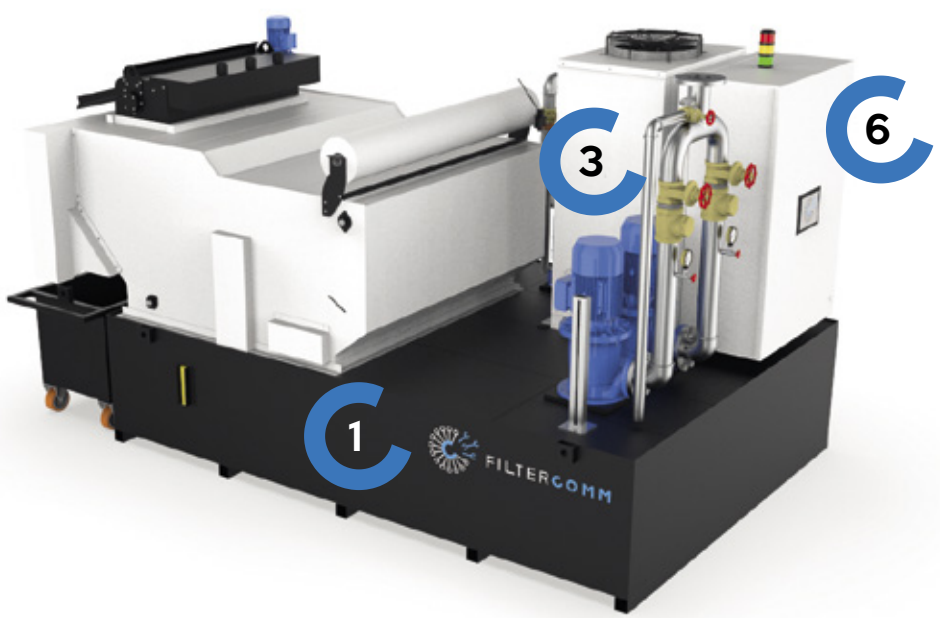
Clean coolant exit:

The clean coolant is conveyed into a **collection tank** to be processed as required by the client.



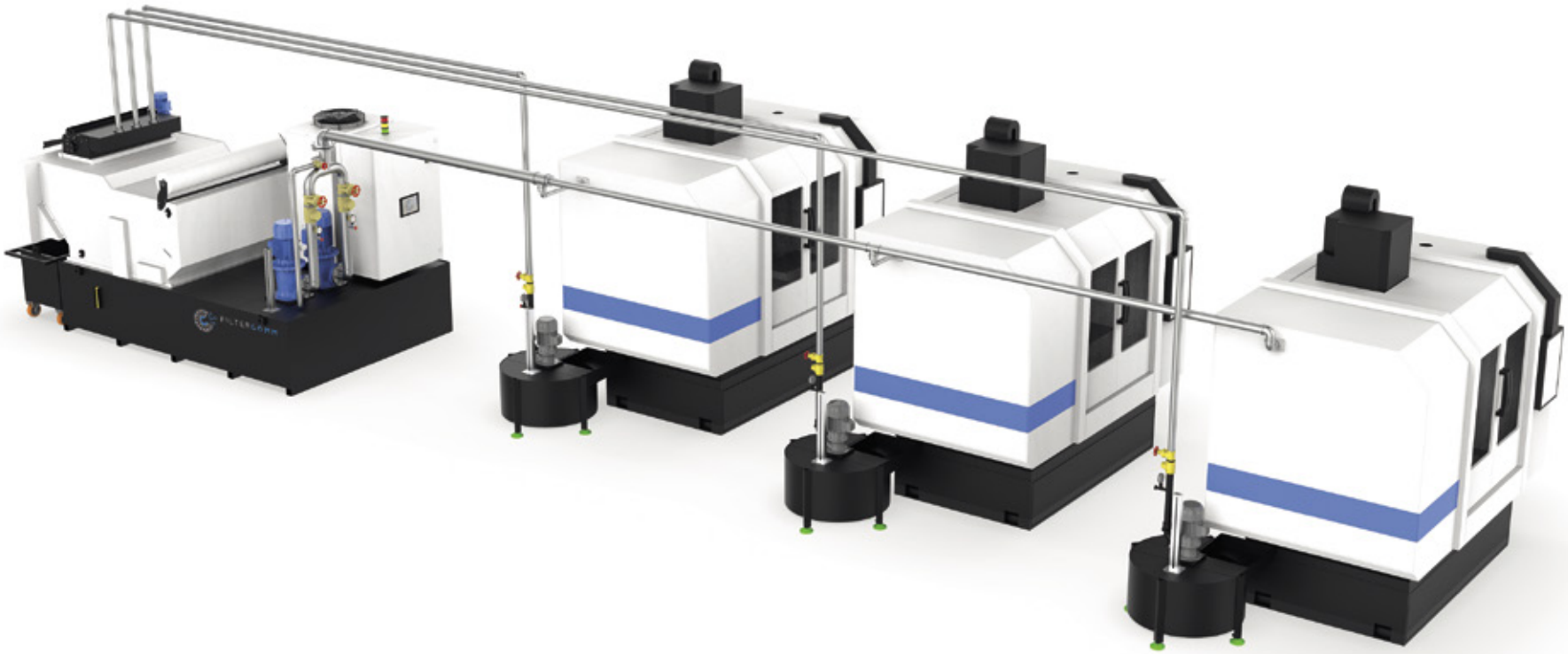
DEEPFLOW

OPTIONAL



1. Clean coolant collection tank
2. MagDisk magnetic separator
3. Clean coolant transfer pumps
4. Chiller
5. Heat exchanger
6. Electrical cabinet with PLC

DEEPFLOW
ADVANTAGES



Single installation:

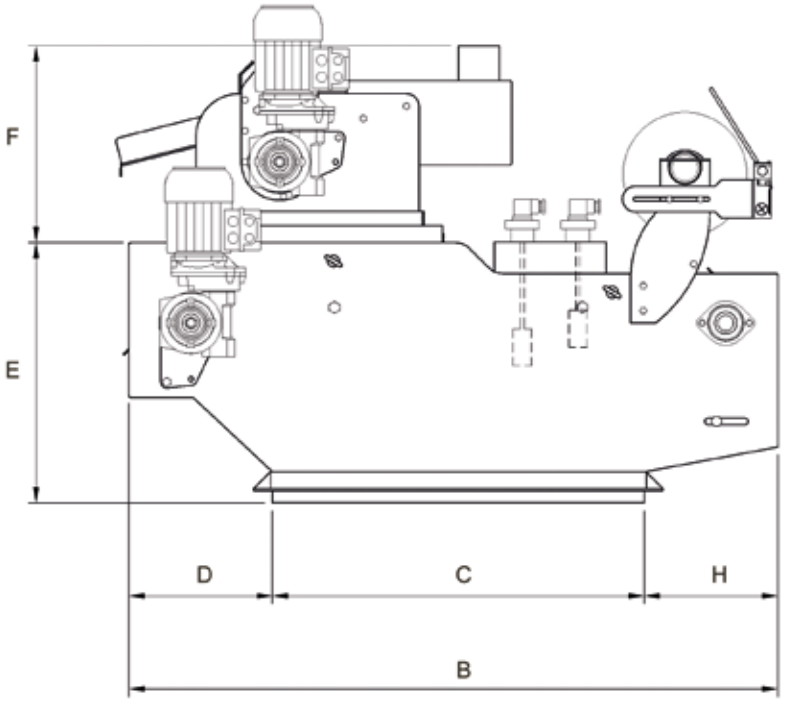
The Deepflow range can be installed on single machine tools.

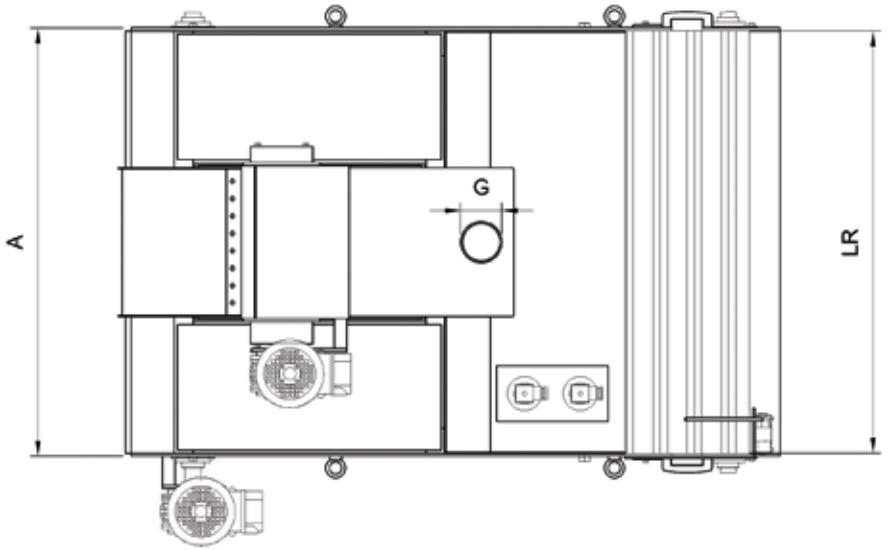
Centralised solution:

Deepflow can also be installed as a centralisation to serve multiple machine tools simultaneously.

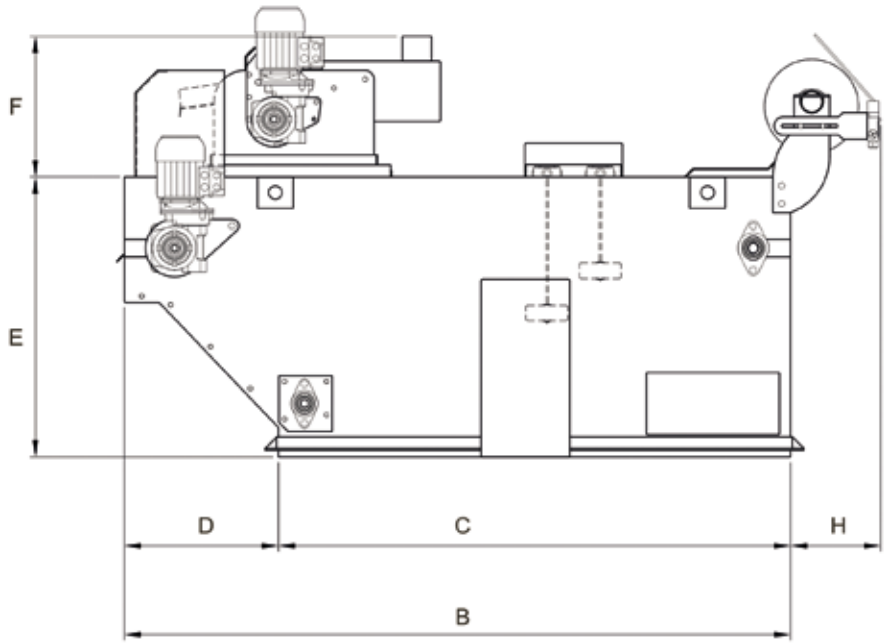
DEEPFLOW

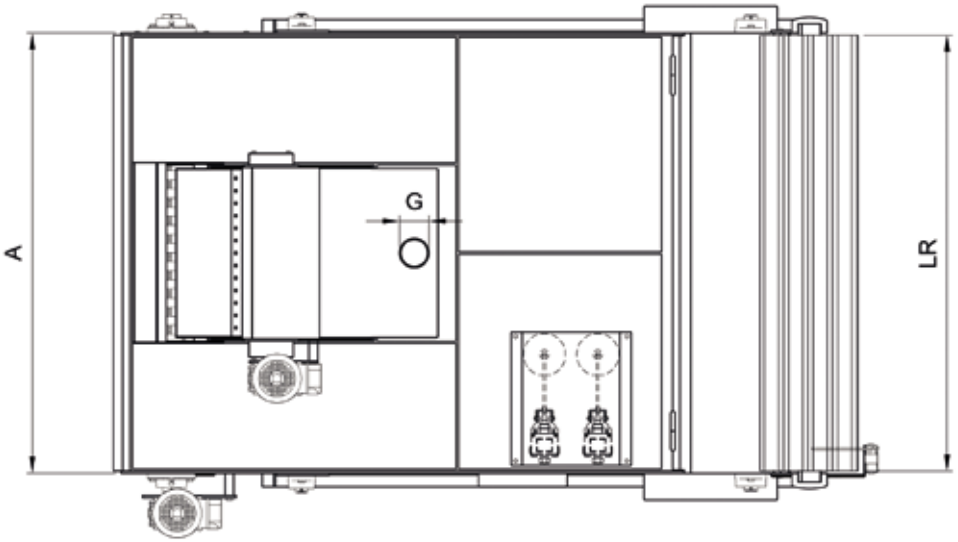
TECHNICAL DETAILS





Deepflow	Max flowrate emulsion (l/m)	Max flowrate neat oil (l/m)	A	B	C	D	E	F	G	H	LR
150	160	80	690	1047	600	231	420	317	1" 1/2	215	680
250	260	130	990	1047	600	231	420	317	2"	215	980





Deepflow	Max flowrate emulsion (l/m)	Max flowrate neat oil (l/m)	A	B	C	D	E	F	G	H	LR
400	400	200	690	1500	1153	347	630	317	2"	205	680
600	600	300	990	1500	1153	347	630	317	2" 1/2	205	980
1000	1000	500	990	1995	1290	525	1080	520	3"	340	980
1500	1500	750	1430	1995	1290	525	1080	520	3"	340	1420

all in one.