

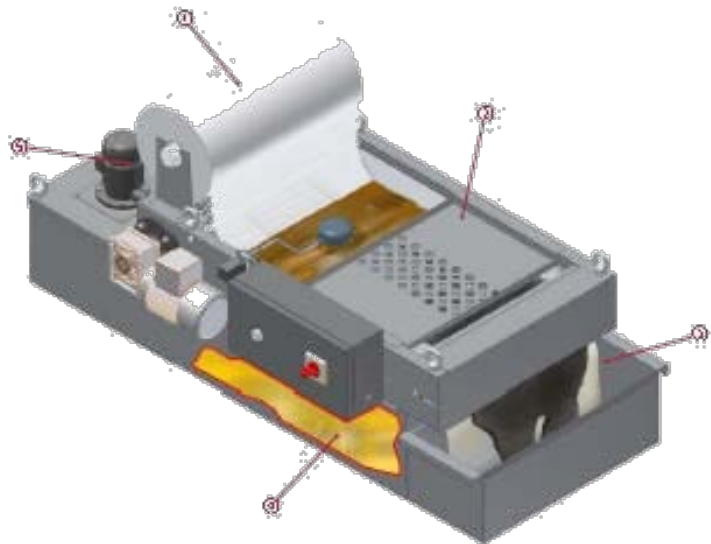


# Gravity Bed Filter

EB Series

The Gravity Bed Filter offers the simplest and most versatile solution for the filtration of liquids. They are the outcome of careful and thorough research work that combines the reliable traditional elements and characteristic of fabric cleaners with an innovative construction and design concept. These cleaners are designed for use on all metalworking tool machines, to filter emulsions and straight oils having a maximum viscosity of 20°cSt at 40°C, and for flows from 13 to 132 GPM (50 to 500 l/min). The filtration grade, depending on the fabric used, ranges from 10 to 60 microns.

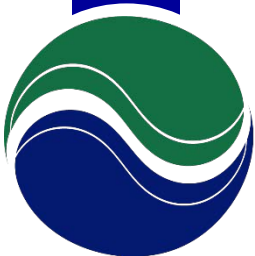
The revolutionary manufacturing concept of the Gravity Bed Filter is the exclusive feature of the series. The filtering unit consists of two recessed, perforated trays, made of sturdy galvanized metal (stainless steel on request), without welding, shaped by an automatic bending machine. The frame supports the shafts with pinions and pulleys that hold the net and move the conveyor belt. The conveyor is operated by a motor-reduction unit, controlled by a float and starting microswitch. A special multipurpose container serves as roll-holder, shaft protection, re-circulation pump housing, and, if supplied, also the containment



tank for the filtered liquid. The cleaner unit is finished with powder painting and is completed with an electric control panel, re-circulation pumps and a variety of optional accessories. Besides its series production, EdjeTech Services can also offer highly personalized solutions according to the specific needs of its clients.

## PRINCIPAL OF OPERATION

The contaminated liquid is sent into a trough (2) that distributes it uniformly on the part below. When the progressive accumulation of sludge chokes the filtering material (1), the liquid level rises and with it the float that triggers the microswitch. This switch starts the motor-reduction unit that pulls the used fabric forward; this is collected in sludge collection tank (3). The purified liquid passes into the clean liquid tank (4) and subsequently, depending on the applications and accessories, it can be re-circulated back into the tool machine with an electric pump (5).



# EdjeTech

Increasing Production Through Waste Minimization

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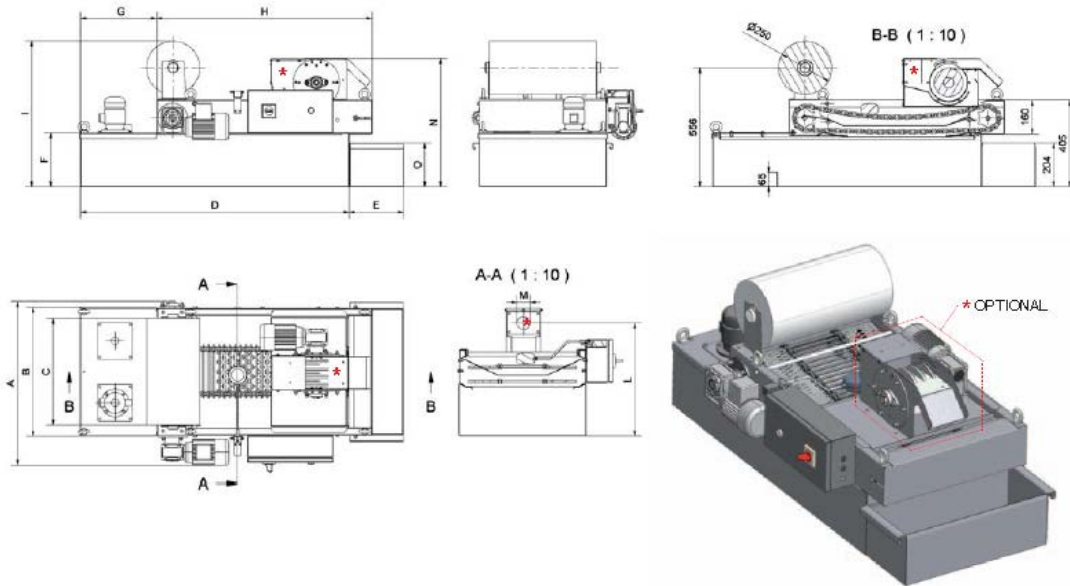
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# EQUIPMENT SPECIFICATIONS

Model	Tank Capacity (Gal.)	Flow (Water/Oil) GPM
EB 50	49	13 / 6.5
EB 100	84	26 / 13.2
EB 150	135	39 / 20
EB 200	168	52 / 26
EB 250	203	66 / 33
EB 300	240	79 / 40
EB 400	313	105 / 53



	50	100	150	200	250	300	400
A	30.31	38.19	50.00	50.00	50.00	50.00	50.00
B	23.62	31.50	43.31	43.31	43.31	43.31	43.31
C	19.69	27.56	39.37	39.37	39.37	39.37	39.37
D	49.21	64.96	72.83	90.55	110.24	129.92	169.29
E	9.84	9.84	9.84	9.84	9.84	9.84	9.84
F	9.84	9.84	9.84	9.84	9.84	9.84	9.84
G	14.17	14.17	14.17	14.17	14.17	14.17	14.17
H	39.37	53.15	61.02	78.74	98.43	118.11	157.48
I	26.77	26.77	26.77	26.77	26.77	26.77	26.77
L	20.87	20.87	20.87	20.87	20.87	20.87	20.87
M	2"	2"	2"	2"	2"	2"	2"
N	23.82	23.82	23.82	23.82	23.82	23.82	23.82
O	7.87	7.87	7.87	7.87	7.87	7.87	7.87

Note: All dimensions are in inches

\*\*Values on this page are indicative and can be subject to modification and improvements.