

Band filters - series PB

Use

Band filters are used for the fully automatic continuous cleaning of cutting fluids with high requirements on the purity level and when machining ferrous, magnetic materials.

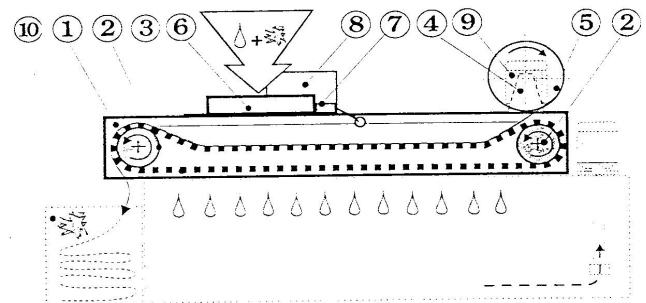
Construction and operation

Band filters consist of two side members (1) with two return and transport rollers (2) for the endless transport belt (3). The side members have supports (4) for the filter fleece (5). The medium to be filtered passes through an infeed box (6) on to the trough-shaped filter surface and then passes through the filter fleece by means of gravity. The impurities are retained in the fleece. The filter cake thus formed has a positive influence on the filter fineness. The increasing saturation level trips the transport of the filter fleece via the float switch (7), the control electrics (8) and the geared motor (9).

The used filter fleece is transported into the sludge box (10) and new filter fleece inserted into the filter trough (the sludge box is not supplied as standard).

Materials and application conditions

Band filter: Sheet steel with corrosion protection, Aluminium cast
 Filter material: Fleece made of viscose rayon
 Other non-woven are available on request



Cleaning

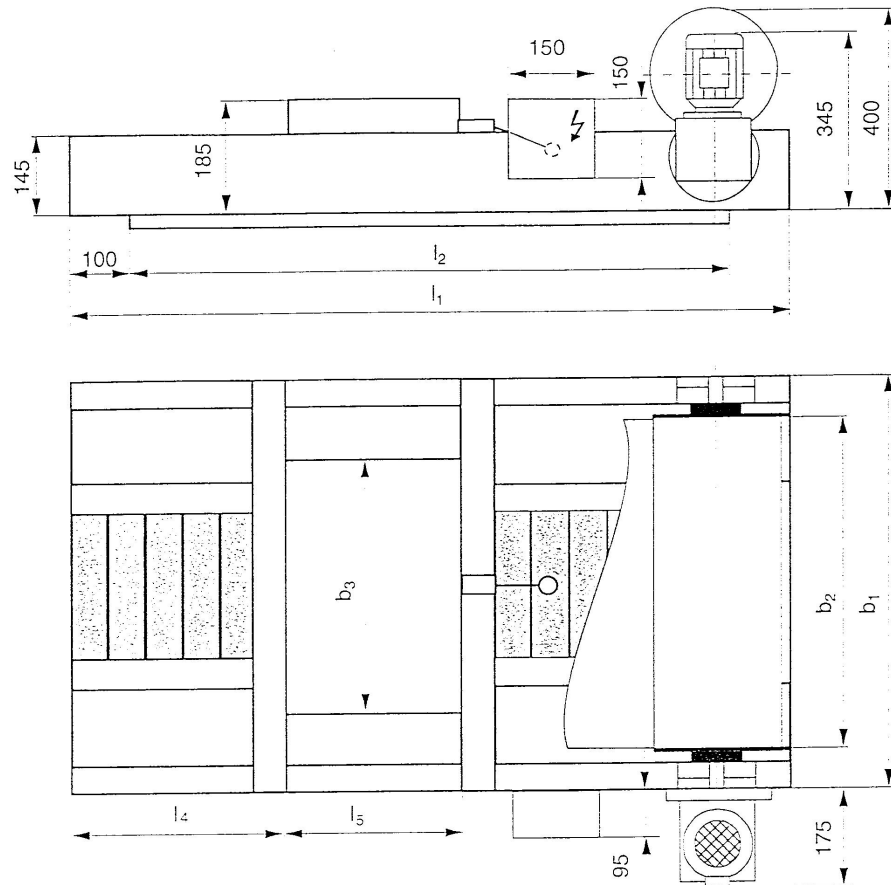
When cleaning the unit, the relevant accident prevention regulations and the environmental directives must be observed.

Example order

Band filter for a capacity of up to 120 l/min with a viscosity of up to 6 mm² /s:

Band filter PB 126

To order the PB series can be supplemented with a coolant tank, pumps, sludge box, electrical system, etc. and can also be supplied as complete filter systems (see information sheet entitled "Filter systems with band filters").



Type			PB 41	PB 64	PB 126	PB 251
Filter material	Average outfeed fineness μm	capacity l/min (up to $6\text{mm}^2/\text{s}$)				
HSP035	60-80		60	80	160	320
HSP050	30-40		40	60	120	250
l1			1000	1240	1800	2400
l2			800	1040	1600	2200
l4			300	300	450	450
l5			250	250	400	400
b1			500	720	970	1400
Filter area m^2			0,3	0,5	1,0	2,0
Filter fleece width	b2		430	650	900	1330
Infeed box width	b3		320	320	600	600
Other non-woven are available on request						
Drive		Geared motor				

Connection DIN IEC 38 230 / 400V AC 0,63 / 0,3 A 50 Hz 0,09 kW for other voltage ask us
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