



RETROFIT KITS

BritAS retrofit kits

Easily upgrade to the latest version & always be up to date

The BritAS retrofit kits are extensions and retrofittings of different components to the latest version. With that, lines are always up to date.

With the BritAS retrofit kits, our customers can continuously upgrade the following machine elements:

- ▶ Retrofit kit screen head
- ▶ Retrofit kit accumulator extension
- ▶ Retrofit kit magazine
- ▶ Retrofit kit take-off
- ▶ Retrofit kit winding
- ▶ Retrofit kit eWon
- ▶ Retrofit kit system control

Upgrade procedure

- ▶ A BritAS service engineer checks the machine on-site resp. the machine that has to be refitted is sent to us.
- ▶ Definition of the necessary measures in agreement with the customer.
- ▶ It is recommended that the upgrade is realized by a BritAS service engineer.

Retrofit kit screen head

Aim of the retrofit kit screen head is an increased screen surface. With that, at a constant throughput, a higher degree of contamination of the entry material can be processed or by an additional accumulator extension, a higher throughput can be achieved. At a constant degree of contamination and throughput, the retrofit kit reduces the screen changing times, the use of screen belts and the wear at the screen head.

Retrofit kit accumulator extension

By an accumulator extension, depending on the degree of contamination and screen changing cycles – without additional retrofitting of the screen head to an increased filter surface – the throughput can be increased. Another advantage of an accumulator extension is that the screen belt transport can be slowed down and screen belt breaks are considerably reduced.

In principle, the following kits are available:

- ▶ **Retrofit kit 1** ABMF-0570 (former SK230) with 7 liters accumulator (l = 350 mm long, d = 160 mm) – extension to a 9 liters accumulator (l = 450 mm long, d = 160 mm) or to a 12 liters accumulator (l = 600 mm, d = 160 mm)
- ▶ **Retrofit kit 2** ABMF-0750/1050 (former SK230XL / SK300) with 9 liters accumulator – Extension to a 12 liters accumulator
- ▶ For an accumulator extension of machines with standard accumulators to 15 or 19 liters accumulators, the complete main pipe group has to be exchanged.

BritAS accumulator standard dimensions

Liter accumulator	Accumulator length [mm]	Accumulator diameter [mm]
7	350	160
9	450	160
12	600	160
15	600	180
19	600	200

Special length on request!

Retrofit kit magazine

The main advantage of this kit is that the customer can work with two resp. three belts simultaneously. Older magazines are only suitable for one belt so that, depending on the material and degree of contamination, a maximum filter fineness of 90 microns can be achieved. With a two-belt magazine, a filter fineness of up to 70 microns, with a three-belt magazine even up to <50 microns is possible.

Moreover, the new magazine improves the screen belt guidance and belt breaks are reduced. In case that the hydraulically driven winding unit of older models is retrofitted to an electronically driven unit, for inserting a new screen belt, the threading sheet (paddle) can automatically be inserted.

Precondition for the simultaneous working with two or three belts is a latest generation take-off unit (mod. 3) – depending on the material, this unit can also be retrofitted.

Retrofit kit take-off

The latest take-off has a different toothed shaft geometry and the gear motor capacity has been increased from 0.75 KW to 1.5 KW. By the optimized toothed shaft geometry, there is an improved embossing into the screen belt resulting in an improved take-off of the screen belt and considerably less screen belt breaks.

For the retrofit kit of the ABMF-0570 and the ABMF-0750, there is an additional belt channel so that residual material that sticks on the screen can drip off and that there is less contamination on the toothed shaft. For the ABMF-1050, the belt channel is standard.

If desired by the customer, a retrofitting of the take-off to a reinforced version is possible. By the solid design and a more powerful 2.2 KW motor, the take-off guarantees good transport of the screen belt, even with three belts and very viscous material. The current standard take-off (Mod. 3) is precondition for the working with two resp. three belts simultaneously.

Retrofit kit winding

This retrofit kit is mainly used for relatively old ABMF models without resp. with retrofitted hydraulic winding. Without winding, the screen belt cannot be rolled up and disposed perfectly. If the belt is not constantly cut in such a case, there is a potential danger. Furthermore, at the hydraulic winding, the hydraulic motor has to be exchanged resp. repaired regularly.

Clear advantages of an electrical winding are,

- that they require little maintenance,
- that they have considerably more traction as well as
- that they guarantee an essentially better transport of the belt and
- that belt breaks are reduced.

Moreover, the electrical winding can be used as winch in order to pull the threading sheet (paddle) through the screen head by means of the winding motor.

In case of an upgrade to electrical winding, for most of the older machines, minor retrofittings at the frame are necessary and a current line has to be run from the switch cabinet to the winding unit.

Retrofit kit eWon

For all BritAS machines, which were delivered before 2014, an analogue telephone line is required for the modem in the switch cabinet. In case of failure, a BritAS technician dials in, analyses the stored data and can modify the SPS program or can support during troubleshooting.

For the retrofit kit eWon, the analogue line is not required. Because there is a LAN connection with the machine. If required, the eWon can be equipped with an additional card, which allows the connection via WLAN or a mobile service card. This additional cards can be retrofitted at any time.

The retrofit kit eWon contains:

- ▶ eWon
- ▶ new industrial computer
- ▶ installation and test of the computer
- ▶ necessary small components
- ▶ adapter

Only until 2018 at the latest, BritAS guarantees an online service for existing machines without retrofitting to eWon!

Retrofit kit Beckhoff control

As option, for all BritAS machines, we offer a Beckhoff control including a Windows-based control program. Since 2014, all machines have been equipped with a Siemens control as standard. All machines before 2014 were equipped with a Mitsubishi control and a MS-DOS-based program.

Advantageous:

- ▶ easy, cost-efficient change to the latest state-of-the-art
- ▶ simplified operation as well as maintenance by own personnel
- ▶ operator-friendly user surface

Components retrofit kit Beckhoff control:

- ▶ exchange of all necessary control cards
- ▶ if necessary, exchange of the control panel

After the retrofitting to a Beckhoff control, a new start-up of the machine is required. This start-up is not part of the retrofit kit.



Retrofit kit Siemens control

Since 2014, all BritAS machines have been equipped with a Siemens control with a Windows-based control program as standard.

Advantageous:

- ▶ Siemens controls are mainly used in the plastic machinery industry
- ▶ That simplifies maintenance and operation by own personnel
- ▶ By the new control, your machine is state-of-the-art
- ▶ Operator-friendly control panel

Components retrofit kit Siemens control:

- ▶ Exchange of all terminal boxes at the machine and hydraulic aggregate
- ▶ Switch cabinet & cable packages
- ▶ Complete rewiring of the machine, including all cables and small components necessary for that.

After the retrofitting to a Siemens control, a new start-up of the machine is required. This start-up is not part of the retrofit kit.

**You can reach us round the clock: BritAS Service- & Support-Hotline:
 +49-(0)6181-91870 or service@britas.de.**



BritAS Recycling-Anlagen GmbH, Moselstrasse 50, 63452 Hanau / Deutschland
 T: +49-(0)6181-91870, F: +49-(0)6181-918722, sales@britas.de

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