

Upgrade drives:

The older filters have a single speed drive with a 90° gearbox and a hydraulic clutch:

This has limits in the fact that the drive will go up to full speed each time, unless the operator is fast turning it off before the hydraulic clutch locks up.

This creates difficulties with proper cake discharge and cleaning (new units have a 4 speed variable drive).

Step 1:

Get the customer to remove the hydraulic clutch (torque converter) and install a variable speed motor. (Advice customer)

Step 2:

Alternative 1: Set up 4 speeds on the drive. (Advice customer)

Alternative 2: Get the new automatic variable cake discharge program from Germany (for automatic installations) (Sell to customer)

Alternative 3: Check with Germany if a small automatic routine can be applied to manual filters. (Sell to customer)

Check with Germany if the automatic variable cake discharge program can be applied to hydraulic drives.

This modification opens the possibility of further modifications such as:

Modify filter with spray bar; we sell drawing and the spray bar, customer installs.

If the spray bar is installed, or filter already has one, revised cleaning program to increase efficiency of cleaning. (Top cleaning through vent line).

Upgrade to Durafil filter septum.

Requires new drainage weave and clamp ring, using the old element.

(If element is old type with separate spacer seal, upgrade to modern stronger element).

Automatic element lifter for the ZHF-Primus I and II filters, same as now is sold for the ZHF-Primus III filters, this would have great potential as most of the older Primus filters are large, and a considerable amount of time and physical work goes into manually lifting out the filter elements, in some filters more than 80 of them.

We can also approach customers with check on operation, service, operation modifications, service modification, write appropriate manuals for service and operation, set up essential spare parts lists and so on.

There are opportunities here; they have to be adjusted to each customers filter and application.