

The bottom dish of the ZWAG filter supports the filter screen and provides a path for the filtrate to exit the vessel. Most ZWAG filters have a removable bottom dish, although larger models have a fixed bottom dish. The bottom dish is removable for cleaning, inspection and replacement of the filter screens.

Removable or Fixed Bottom Dish



Fixed Bottom Dish

The removable dish also allows easy access to the inside of the filter. The dish can be ordered jacketed for improved heating or cooling. The dish is sealed by an o-ring gasket. We stock various o-ring materials that are compatible with most chemicals. On those models that do not have removable dishes access is via a manhole or removable top head.



Swing Away Bottom Dish

Standard ZWAG Dish Construction

The bottom dish has three standard features that contribute to effective filtration:

The base feature is the bottom dish itself, it has machined drain channels that collect the filtrate and guide it to the outlet nozzle.

The second feature is the support structure. This support structure is a rigid machined perforated plate or a stiff wire mesh. The support structure is a foundation for the filter screen that prevents the filter screen from being compressed into the drain channels and choking off filtrate flow.

The third feature is the filtration screen. The screen is available in many different materials and weaves.



Filtrate Channels



Perforated Plate