THREE WAY FILTRATE VALVES

Three way valves are used on filter plates to isolate the chamber, sample the filtrate for testing or to operate filter plates in closed delivery mode (internal discharge through corner ports connected to a feed end manifold).

Three way valves can also be usefully installed at random positions along a closed delivery filter press pack, to isolate the location of cloudy filtrate. (Common frequency is every 5 plates). Whenever increased filtrate solids are observed, an easy check along the filter pack length can isolate an offending chamber and locate a damaged cloth.

This type of valve is not easily retrofit to existing filter plates without careful preparation. However, it is a simple task to add new plates with the valves already fixed. This is a relatively inexpensive investment where cake solids have high value.