

Kleerflo fully automatic backwashing filter/strainers filtration of sea and ground water cooling systems



Re-circulated ground water cooling system 2 duty plastics industry

If your cooling water problem is particulate matter that can block nozzles, seals, lantern rings etc. then these can be effectively removed by the **Kleerflo range of Automatic backwashing screen filters/strainers**.

The **Kleerflo** filter utilizes cylindrical wedge wire screens mounted in the body of the unit which are backwashed sequentially at the completion of a timed out period; or by pressure differential triggered by the accumulated dirt if a pre-set limit is reached before the end of the timed out period and which overrides the pre-set timer. Dirt from the screens is backwashed to drain utilising the pressurised filtered water within the filter. Duration and frequency of screen backwashing is adjustable to suit the varying conditions encountered. The simple backwashing action of the **Kleerflo** requires no electric motors and has no rotating or spinning parts and uses a simple backwards and forwards shuttle movement to effect the cleaning. All that is required for operation is a single phase electrical supply and compressed air supply. Under some conditions it is also possible to utilise the line pressure for backwash actuation purposes.



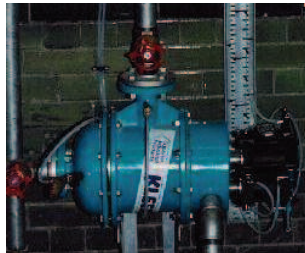
Once through sea-water cooling system duty/standby chemical industry

The **Kleerflo** filter is installed directly after the cooling water supply pumps and with a minimum of two screening elements always installed and only one backwashing at a time, then a forward flow is always maintained. The **Kleerflo** filter is swift and easy to maintain, with access to the filter screens achieved by simply removing the backwash cover plate with the integral davit lifting arm, so no heavy lifting equipment is required, allowing units to be worked on by a minimum of maintenance staff.

Kleerflo filters are used in once through cooling systems, both ground and sea-water; and are also utilised in re-circulating ground water systems where the full flow is filtered to remove problematic particulate matter. For larger flow rates, and in order to overcome the logistical problems associated with a single duty/standby system, **Kleerflo** filters are often installed in banks of a number of filters each filtering a portion of the flow, with a single standby for that bank of filters, thus providing more manageable sized units and an easier to maintain system. The **Kleerflo** filter can also be used on closed circuit cooling water systems.



Re-circulated ground water cooling system 5 duty mining industry



Once through ground water cooling system municipal water treatment



Once through ground water cooling system 8 duty steel industry



Once through sea-water cooling system 3 duty/1 standby oil refinery



Once through ground water cooling system hydro electric power station



Re-circulated ground water cooling system 2 duty mining industry



Re-circulated ground water cooling system mining industry



Re-circulated ground water cooling system automobile industry



Re-circulated ground water cooling system mineral industry



Once through sea water cooling system chemical industry

Superior Filtration Limited is also able to offer the **AGF autonomous valveless gravity sand filter** for situations where the cooling water system problem is fine particulate matter and the system needs to be treated, normally on a side-stream basis. Ideal for Zoned Hazardous Areas as no electrics, controls, instrumentation or backwash pumps are required. Picture shows Typical Installation of AGF Autonomous Valveless Gravity Sand Filter on Side-Stream Filtration of Cooling Circuit Oil Refinery.



Automatic backwashing / No hassle / Low maintenance - Sound interesting?

If you are looking for filters with a difference that give all of the above and more, together with proven track records, backed up by solid references and many years of product history then...

For all your water filtration and purification needs contact the specialists



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