

Case History no. 13 – Waste Oil Filtration

Fluid	: waste oil from a wide variety of sources
Temperature	: ambient
Pressure	: 2 – 3 barg
Flow rate	:
Line size	: 2"

Problem:-

A client who is involved in waste management and disposal collects waste oil from industrial users via road tanker. They have to clean it up and remove large debris from it before sending it for further treatment to make it saleable for use in burners and heating systems in hospital & power plants etc. The oils and coolants can be full of misc. debris and nuts & bolts etc. which are undesirable also because they foul up and shorten life on pumps thus increasing maintenance and downtime.

Solution: -

They required a duty / standby system for ease of use with minimum interruption. We supplied Ronningen-Petter large surface area filter bags. They were in duplex format consisting of 2 off 2" 304 stainless steel housings model 444-224-LP mounted in parallel on common 3 port – 2 way L ported ball valves for quick and easy changeover and servicing. Each housing contained a 30 mesh (585 micron) tough reusable woven polypropylene filter bag, (6 1/2" diameter x 24" long, approx 510sq inches of surface area per bag).

Result:-

The client has a simple system which is easy to use and minimise the volume of waste filter media generated / disposed of as they are cleanable.