EIMCO-KCP DEWAXING & DE-OILING FILTERS

Benefits

- Results in substantial reduction of solvent losses
- Delivers economy of operation and increased oil yield
- Leads to reduced maintenance and downtime
- Ensures lower spares usage
- Satisfies/fulfills all specifications

The Eimco K.C.P. Ltd. is the market leader in the design of dewaxing and de-oiling vacuum filters which have earned it a reputation for unsurpassed excellence in lubricating oil streams. This is further augmented by the significant number of advanced features in their latest Lubemaster unit.

Carefully engineered to enhance user experience world-wide, Eimco K.C.P. Lubemaster provides a competitive, quality product matching today’s challenge for enhanced efficiency, intelligent conservation of energy and sustainable environmental improvement.

The Eimco K.C.P. Ltd. Development and Design team, in conjunction with the industry, brings in a wealth of operational experience that has helped establish sound global operations and advanced clients’ success.
Backwash liquors are uniformly distributed by the Eimco K.C.P. full-flood system to give gain on filter performance and increased oil recovery.

The Eimco K.C.P. design minimizes maintenance yet allows ready access to key items, substantially reducing costly downtime.

Commercially available, advanced equipment are used throughout thus cutting down on users’ spares, stocks and demand.

Detailed conformity with process licensors’ and users’ specifications, in conjunction with specific operational requirements, ensures clients get high grade units configured to meet individual requirements.
Shaft Bearing System
Special attention has been paid to drum accuracy and full concentricity. This avoids unduly large shaft diameters and in turn enables use of long-life, trouble-free conventional roller bearings and fully proven commercially available mechanical seals or gland packing systems at user option.
Bearings are installed outboard, away from solvent products and temperature gradient areas.

Valvehead
The design incorporates a perfected system of bearings and seals which overcome the age-old problem of solvent and wax losses in this area. Watertight sealing is achieved on the outer periphery by the use of machined reinforced Teflon or stainless steel bellows and by a choice of small diameter packed glands or mechanical seals on the support trunnion. The complete assembled valvehead is installed on a double spherical roller bearing, ensuring ease of location and avoidance of tilting during operation.

Spring Loaded Scraper
Six location springs are strategically positioned to effectively resist process loadings and maintain firm contact of the valve mating surfaces.

Drum System
Drums of all Eimco K.C.P. filters have extremely rigid end sections which guarantee maximum structural stability. Additionally a unique method of manufacture ensures accurate alignment of the bearing.
To enable improved separation and cleaner cut-off throughout the operation cycle, the Eimco K.C.P. filter comprises 32 cells. Highly effective cell evacuation through internal pipework, comprising galleries with inter-connections to the valvehead, provide rapid drainage and a more efficient purge.

Hood to Trough Seal
A continuous unbroken sealing surface around the entire periphery of the hood and trough, backed by a rigid steel framework, ensures complete freedom from leakage.

Scroll Center Bearing
The Eimco K.C.P. Scroll center bearing has been designed to minimize maintenance and enable bearing change time of only two hours. This procedure can be carried out without raising the hood and decreases costly downtime. The presence of fully lubricated phosphor-bronze bearings provide the added incentive of years of trouble-free operation.

Drum Drive
The Eimco K.C.P. self-contained unitised drive transmits power to the drum from an electric motor through a worm reducing gear system; and incorporates a hydraulic variable speed feature capable of giving infinite variation throughout the specified speed range.
A special purpose torque limiter coupling has also been built-in which prevents damage and eliminates costly downtime. The complete drive system is mounted on its own independent rigid underframe ensuring easy removal later. This allows maintenance under centralized workshop conditions away from hazardous areas.

Cell Division Bars
High quality Stainless steel is used as the industry standard in all Eimco K.C.P. Cell Division Bars. These bars feature specially designed angled lips that ensure minimum cloth contact and maximize filtration area for optimum performance, providing the edge over competitive designs. To ensure that the caulking grooves do not deform even after many years of repeated caulking, heavy duty section profile has been employed.
Additional Features

Additional features such as adjustable sprays, external adjustable drip pipes, large view ports and Teflon tipped spring loaded scraper having easily accessible tensioning arrangements coupled with compact space saving designs, are incorporated as standard on all Eimco K.C.P. Lubemaster filters.

Profitable performance, from unique features which outclass competitive designs, is further assured by stringent Eimco K.C.P. quality control processes operating throughout all stages of manufacture, which has been approved by major classification societies worldwide.

New designs and developments are fully backed by a team of highly skilled and experienced filtration engineers and scientists in Eimco K.C.P.’s own laboratories at Chennai. Before leaving the Eimco K.C.P. plant, every product must undergo extensive tests. This ensures equipment capable of sustained and durable performance, in demanding operational and climatic conditions anywhere in the world, which is why well-known users of filtration equipment rely on Eimco K.C.P.
The Eimco K.C.P Ltd. is a leading Process technology company that operates globally through regional headquarters in India, the USA, the UK and 20 offices in 16 countries worldwide. Our Indian operations are spearheaded from our office at Mumbai, India.

The Eimco K.C.P Ltd. Filtration unit possesses extensive manufacturing capability and undertakes large, multi-unit projects on a worldwide basis. Design and supply of high grade equipment and consulting packages are offered on very favourable commercial and financial terms. These packages are supported by a network of agents, licensed manufacturers and factory trained engineers with all the skills and expertise required for on-site backing of large capital projects.

In addition you get exclusive access to our 24-hour full range of services and spares facilities.