PEERESS INTERNATIONAL ASSOCIATES Since 1973

FLOATING OILS COLLECTION SYSTEMS [FOS SERIES]

TO A USER HAVING A TROUBLE WITH FLOATING OILS OF CLEANING SOLUTIONS AND MACHINE TOOLS

FLOATING OILS COLLECTION SYSTEMS OF TAIYO TECHNO ENABLES NOT ONLY HIGH SPEED COLLECTION OF FLOATING OILS BUT ALSO TO SEPARATE SOFT EMULSIONS AND COLLECT THEM

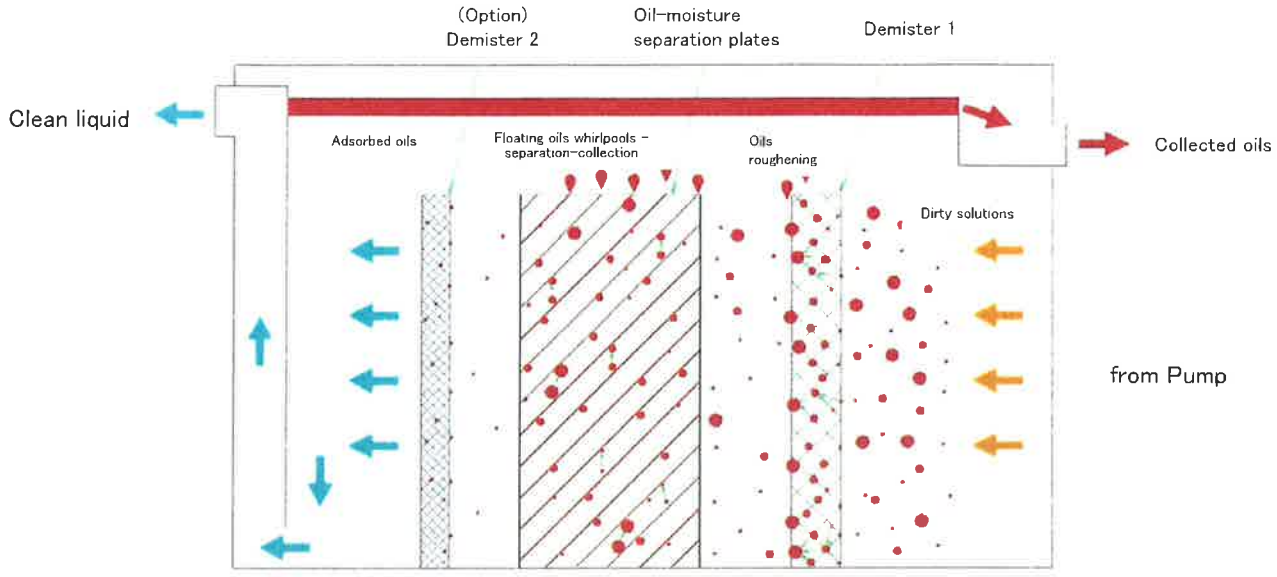
Characteristics

·Floating oils at aqueous cleaning solutions or soluble coolant of machine tools can be efficiently separated and collected, and then drained out automatically
·No waste products due to filter-less structure
·An introduction of special oil-moisture separation structure at separation tank can separate soft emulsions
·Auto-follow liquid surface nozzle of all SUS specification enables high speed floating oils collection
·As an option, it can be changed to float-type collection nozzle which meets a large variation of liquid surface and collects floating oils efficiently
·Can be easily installed to existing machine tools or cleaning machines
·Maintenance free
·In collection of floating oils process, oils drops of 30 μm or bigger are removed at the first pass (1 pass) and can remove as small as about 5 μm in size by circulate processing
·In a sludge removal, an aluminum of about 15 μm and an iron of about 5 μm in size can be removed at the first pass (1 pass)

Specifications

Model Number	FOS－10／FOS－05
Processing Capacity	FOS－10：600L／Hr FOS－05：300L／Hr
Power Source	FOS－10：dryair0.5Mpa about.200L／min FOS－05：dryair0.5Mpa about.60L／min
Max. Operating Temperature	FOS－10：80℃ FOS－05：70℃
Internal Capacity (apparatus)	FOS－10：about.45L FOS－05：about.15．5L
Main Unit Weight (empty)	FOS－10：about.20kg FOS－05：about.16kg
Options	Control Panel (with Shutdown & Full collection oils detecting functions) Demister (to improve function of oil-moisture separation) Changeable to an electric diaphragm pump

Oils Separation Mechanism of FOS Series



Oil–moisture separation tank

Floating oils collection nozzle

Example of installation of floating oils collection nozzle

Floating oils collection nozzle:

A collection nozzle of ability to follow a variation of liquid surface sacks out floating oils and oils films in short time

Nozzles are made out of all stainless steel and show high durability

Demister:

Our special roughening filter enables to catch dispersed small oils parts and makes them bigger. It also helps oils to flow up and contributes to collection efficiency in later part

Demisters are clogging–free and easily washed out and reusable

Oil–moisture separation plates:

With dispersed oils and demister, roughened oils are efficiently caught and to be floated up

By arranging many tilted lipophilic plates, efficient separation is carried out when oils are floating up the spaces between plates and adhere to those tilted plates

(If no separation plates are available, rather long time is necessary for oils to float up to upper part from the lower part of oil–moisture separation tank. An introduction of many separation plates enables oils to float up in short time)

End Demister:

(Option)

It is to be mounted when further precise oils removal and reducing oils contents are necessary (Demister2 plays a role of catching precise oils)