



**PEERESS INTERNATIONAL
ASSOCIATES** Since 1973

SUMMARY FOR EXECUTIVE

FLOATING OIL COLLECTION SYSTEMS

THE BEST SOLUTIONS TO COLLECT
FLOATING OILS
IN THE MACHINE TOOLS, CLEANING MACHINES
AND PRODUCTION LINES
KEEP LIQUID CLEAN
AND PROLONG LIFE

NO ENERGY SOURCE ONLY WITH AIR
FOR DIAGRAM PUMP
FREE MAINTENANCE FOR A LONG PERIOD
ACCORDING TO PROPER MAINTENANCE

VERY LOW RUNNING COST!!

PEERESS INTERNATIONAL ASSOCIATES
NARA, JAPAN

No. 302, Famille Higashi-Ikoma, 751-1, Tsuji-Machi, Ikoma, Nara Pref., 630-0212 Japan
Tel: +81-743-85-5983, Fax: +81-743-85-5984, E-mail: peeress@ac.auone-net.jp



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

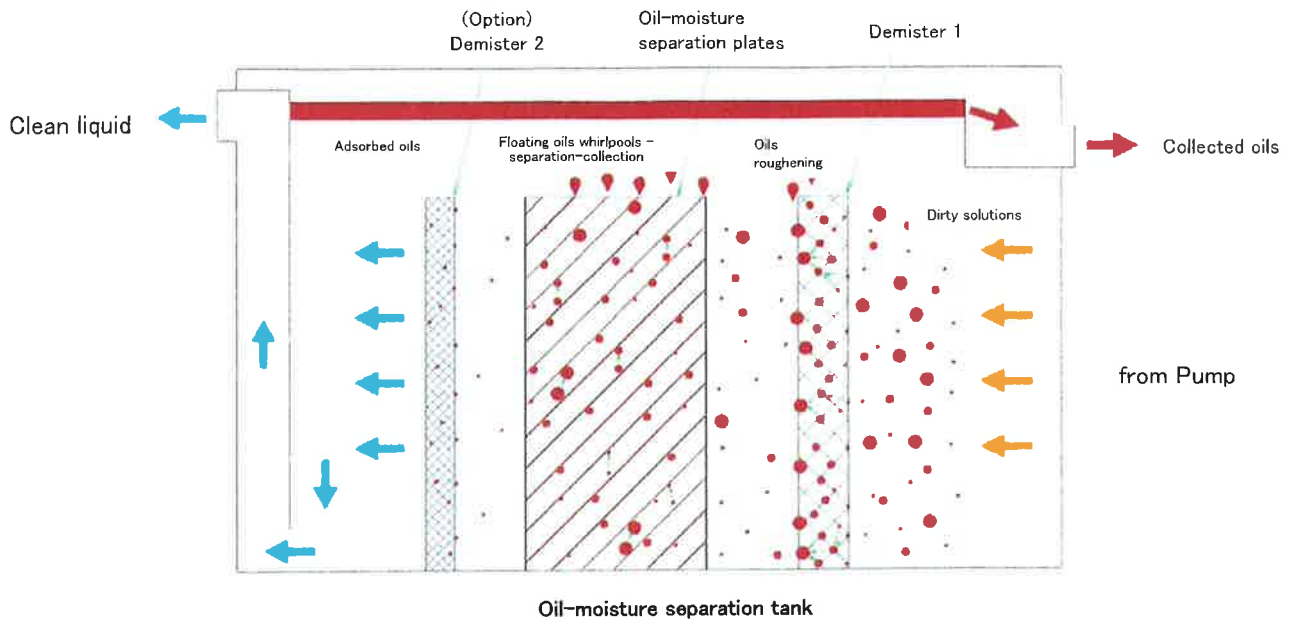
Characteristics

- 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 μ m or bigger are removed at the first pass (1 pass) and can remove as small as about 5 μ m in size by circulate processing
- In a sludge removal, an aluminum of about 15 μ m and an iron of about 5 μ m 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°C FOS-05: 70°C
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



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)



浮油回收装置

FOS 系列

内容摘要

- 1. 无需滤波:** 装置使用不锈钢油水分离板,可在无需更换过滤片的情况下直接除沫除雾,并且不会产生任何废弃物。
- 2. 免维修:** 不锈钢组成零部件只需水洗, 无需进行维修。
- 3. 耐用性:** 除了开关箱以外不需要使用任何额外电源。驱动电源只需使用干燥空气隔膜泵。(交换零部件后可长期使用)
- 4. 高速·大量处理:** 浮油回收装置 FOS-10 型可高速回收浮油(600L/小时)
- 5. 彻底回收浮油:** 液位自动跟进喷嘴可回收并去除由薄膜分离出的浓厚油层。装置内所使用的清洁剂循环净化功能可降低清洁剂使用以及购买成本。
- 6. 耐高温型号:** 装置最高可耐温 80°C, 可承受酸碱值最高达到 pH10
- 7. 大幅度消减运行成本总额:**
 - 独立型浮油回收装置可独立安装并运转于现有生产线以及维修现场。
 - 装置价格低廉
 - 清洁剂长期循环再利用降低运行成本
 - 维修配件使装置实现长期运转
 - 免维修功能降低人工费用



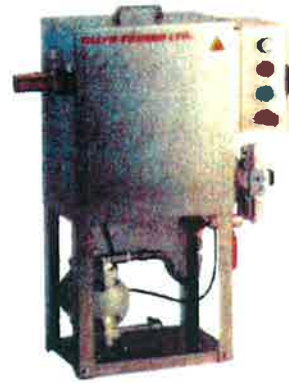
浮油回收装置 FOS 系列

■ 特 长

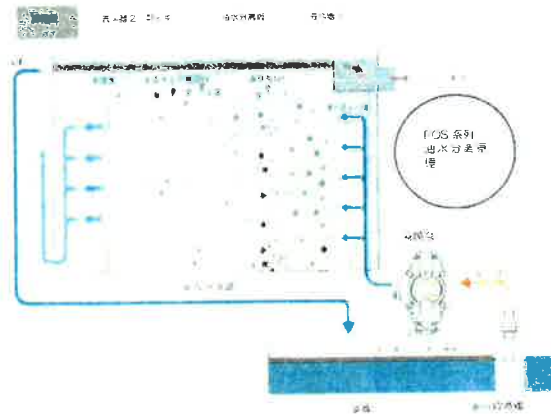
- 装置过滤系统可防止新废弃物的产生。
- 装置内特殊的油水分离构造可分离柔和乳化液。
- 液面自动跟踪型回收喷嘴能够高速度回收浮油。
- 装置能够在高温环境下（高温上限 80 度）运转。

■ 用 途

- 用于回收水基清洗装置产生出的浮油。
- 用于回收水溶性冷却剂中的浮油。
- 用于回收污水处理池中的浮油。
- 回收各种浮油。



FOS-05系列



浮油回收喷嘴

产品规格	型号	FOS-10/FOS-05
	处理量	FOS-10 : 600L/小时 FOS-05 : 300L/小时
	能·源	FOS-10 : 干燥空气 0.5Mpa 约 200L/分 FOS-05 : 干燥空气 0.5Mpa 约 60L/分
	运转环境温度上限	FOS-10 : 80°C (max) FOS-05 : 80°C (max)
	装置容量	FOS-10 : 4.5 L FOS-05 : 约 1.5 L
	装置机身净重	FOS-10 : 约 20 kg FOS-05 : 约 16 kg
	可选件	控制盘 (附带装置运转停止・回收油容器饱和和检测功能) 去雾器 2 (可提高油水分离功能) 水泵可更换为电动隔膜泵