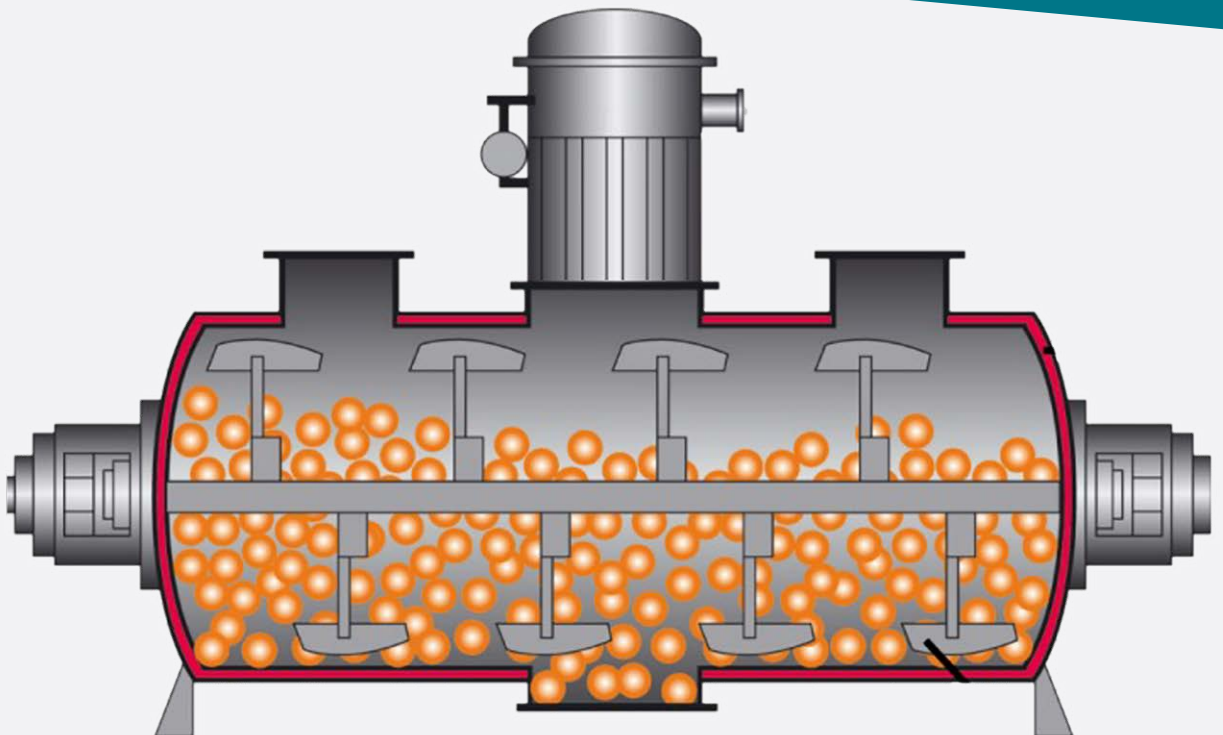# RPD – ROTATING PROCESS DISTILLER

Mercury Recovery for large volumes

WORLD NEWS!

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GENERAL INTRODUCTION

MRT is now launching an overall mercury recovery solution for the Oil & Gas and Construction Industry. The MRT RPD is a high efficiency thermal cleaning unit particularly suitable when processing large volumes, such as contaminated soil, excavation masses, drill mud, sludges, etc.

The MRT RPD uses thermal cleaning technology to separate mercury from contaminated material in a safe and energy efficient way and designed for 24/7 operation. It operates under vacuum hence and requires less energy than comparable techniques during the process to gasify hydrocarbons and mercury.

The MRT RPD solution is a semi-mobile unit preferably assembled on site. After a mission is completed, it can be dismantled and transported in parts to be reassembled in a suitable location for the next project.

TECHNICAL SPECIFICATIONS ROTATING PROCESS DISTILLER

Capacity:	4 t/h
Electrical power:	100 kW
Nitrogen supply required:	50 m³/h
Heating/ton throughput:	45 m³/h
Dimensions needed for proper placing: Length: Width: Height:	 30 m 20 m 15 m
Operational temp range:	+10°C – +35°C

PURCHASE SPECIFICATIONS

Complete semi-mobile installation including the following units:

• Feeding system (without crushing)

• Two vacuum batch dryers each 20 m³

• Vacuum- and Condensation units for water condensate and oil/water/mercury condensate

• Process Cooling system

• Thermal oil heating system 400°C

• Product cooling and remoistening system

• Discharge system into local discharge box/area

• Exhaust gas treatment unit according to local standards

• Water condensate treatment via char coal unit

• Complete Steelwork, -frames stairway and platforms for unit wise local installation

• Complete electrical wiring for unit wise local installation

• Container for electrical cabinets and operator control room

EEC Conformity:

The equipment is manufactured in accordance with:
EEC Directive on Machinery (2006/42/EG)
EEC Directive on Low Voltage (2014/35/EG)
EEC Directive on Electromagnetic Compatibility, EMC (2014/30/EG)

MRT SYSTEM AB
Lumavagen, SE-371 47 Karlskrona, Sweden.
+46 455 30 28 70 | info@mrtsystem.com
www.mrtsystem.com