



BPD 1000 – BATCH PROCESS DISTILLER

The largest Mercury Recovery batch distiller available

WORLD NEWS!



mrtsystem.com

GENERAL INTRODUCTION

The Batch Distillers are designed for processing all kinds of lamp waste, electrical devices, mercury button cell batteries, thermometers in addition to heavy mercury contaminated wastes with a higher content of organic substances such as mercury zinc batteries, dental amalgam, medical wastes, sludge and wastes from the military and chemical industry.

The process is fully automatic which makes it extremely safe, and removes the risk of human error. All essential functional parameters such as pressure, temperature and process time are adjusted to conform to the waste treated. This enables optimum efficiency.

SIZE MATTERS - INCREASED PROFITABILITY AND FLEXIBILITY

Through higher capacity the new BPD 1000 will allow users to increase batch size significantly. The increase in efficiency will have positive effect on profitability.

The increase in size will also allow users to cater to new segments of Mercury extraction as bigger fractions/elements can be processed.



TECHNICAL SPECIFICATIONS BATCH PROCESS DISTILLER 1000L (BPD 1000)

Capacity:

....1 dome 4 x 250 l/batch (customized design available on request)
For limitations, health and safety and environmental protection provisions, see operations manual.

Process time:

Process time varies depending on material composition and moisture content. Range: 10 - 30 hrs.

Dimensions:

Length:..... 5 620 mm
Width:..... 2 470 mm
Height:..... 3 840 mm

Operational temp range:

.....+10 C° - +35 C°

Hg content after distillation:

Hg concentration:max. 0.1 mg/l
Hg content values have to be confirmed by using Leachate procedure in accordance with SS-EN 12457-2.

PURCHASE SPECIFICATIONS AND ADDITIONABLE OPTIONS

The purchase will include the following components:

- 1 pc dome
- 1 pc combustion chamber
- 2 pcs condenser
- 1 pc vacuum system
- 1 pc exhaust fan
- 1 pc cooling fan
- 2 pcs carbon filters
- 1 pc control system
- 1 pc crane pillar and telpher
- 1 pc cooling unit
- 8 pcs distiller barrels
- Remote process monitoring and service

Options:

- UPS unit
- Extra distiller barrels
- Transformer for alternative electrical connection
- 1 pc additional vacuum system for operational safety

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)