

MRT Batch Process Distillers





The MRT Batch distiller is an efficient processing tool for mercury recovery from various waste products. The patented distillation technology is a Swedish invention which has been in commercial use for almost 30 years.

The MRT 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.

By converting your mercury containing waste from a hazardous to a non-hazardous state at site in your own location, tremendous disposal costs will be saved. Mercury recovery will also minimise existing mercury volumes in our surroundings and is contributing to a better environment.

The MRT distillers can be modularized to include several or larger processing chambers in order to meet the highest demands for capacity, efficiency and performance.



With an unsurpassed mercury recovery degree and mercury emissions which are hardly measurable, the MRT batch distillers are the most highly regarded mercury recovery tools on the market.



TECHNICAL DATA

Input materials: fluorescent powder, ends caps from fluorescent tubes, arc tubes from high pressure mercury vapour lamps, mercury button cell batteries, thermometers, electrical switches and rectifiers, dental amalgam, etc.

Capacity: 100 l /batch
 Material Collection: 30 l stainless steel barrels
 Operational temperature range: + 10°C - + 35°C

DIMENSIONS
 Length: 2 990 mm
 Width: 1 580 mm
 Height: 3 800 mm

UTILITIES
 Electrical connection: 400V 50Hz
 Electrical consumption: Max. 35 kW
 Compressed air: Max 300 m³/batch
 Supply pressure: 6 bar, dry, oil free
 Max flow 500l/min
 Oxygen: 10-15 m³/batch
 Supply pressure: 5 bar, ± 5% dry
 Max flow 2000 NI/min
 Nitrogen: 7-10 m³/batch
 Supply pressure: 5 bar, ± 5% dry
 Max flow 4000 NI/min

EMISSION & LEACHATE VALUES
 Hg emission: max 0.025 mg/m³
 average > 0,0005 mg/m³
 Hg concentration after distillation: max. 0,1 mg/l
 average 0,001 mg/l
 leachate procedure in accordance with DIN 38414

We reserve the right to change technical data without notice.

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