

BOTANICAL EXTRACTION AND PURIFICATION WITH TFE

SOLUTIONS: GC-M25 AND GC-M35



FLUID

Solvent for the system, liquefied hydrocarbon gas (freon) utilized with technology based on tetrafluoroethane (TFE) processes.

APPLICATION

As a manufacturer from the European Union with high quality standards, and delivering products on the European and American markets COMERG GROUP Ltd. decided to rely on the high quality of Micropump gear pumps. Magnetically coupled GC-M25 and GC-M35 pumps are mainly used in the extraction process.

The GC-M25 pump is used in a product from our portfolio "2x10 l extraction system." This pump circulates the solvent, in this case liquefied hydrocarbon gas (freon). System operating pressure - depending on the raw material varies from 8 to 12 bar. The flow rate provided by the pump satisfies the technological process.

The GC-M35 pump is used in another product in our portfolio "2x100 l extraction system." This pump is also used for circulating freon, and the operating pressure also varies between 8 and 12 bar. Here the flow requirement is correspondingly higher, so the M35 is chosen, the model satisfies the technological process.

PROJECT SUCCESS

Micropump was chosen due to reliable and precise gear pumps. Other pumps were originally used in the system, but the customer found greater value in utilizing Micropump pumps due to the longevity and reliability they offer with less system maintenance.

Micropump pumps were first utilized in the smaller extraction system. Due to the customer satisfaction with performance, additional pumps have been integrated into the larger system design.

BENEFITS

FEATURE / ADVANTAGE

- Suction Shoe Technology → Self-compensates for wear and wide temperature range operation
- External gear pump design → Precise, pulse-free flow
- Magnetically driven → Longer lifespan for less maintenance
- ISO 9001 → High quality for many markets
- GC Series → Compact design



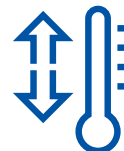
Suitable for use with a wide range of chemistries



Accurate Flow



Longevity of pump lifespan



Wide operating temperature range



Distributor Partner

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