

Why liquid coffee concentrate?

- ♣ reduction of:
 - ◆ transportation cost
 - ◆ packaging cost
 - ◆ storage cost
- ♣ new product development
- ♣ new market opportunities – export
- ♣ high quality concentrate:
 - ◆ as ingredient
 - ◆ for canned coffee
 - ◆ for dispenser systems
- ♣ opportunities in institutional markets

How to concentrate?

Innovation in GEA Messo PT freeze concentration technology has resulted in a new generation of low cost ICECON™ systems.

Which products?

All kinds of coffee extracts regardless type of beans, roasting- or extraction method.

GEA Messo PT freeze concentration technology - your guarantee for:

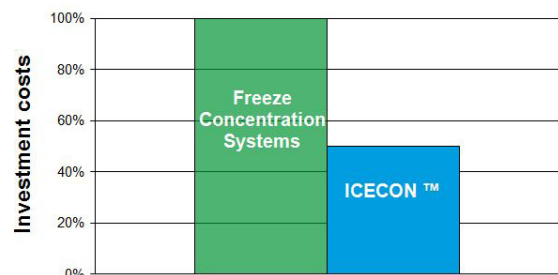
- ♣ total retention of original product characteristics
- ♣ quality in = quality out
- ♣ simple, flexible, efficient operation
- ♣ no intermediate cleaning needed
- ♣ low production cost

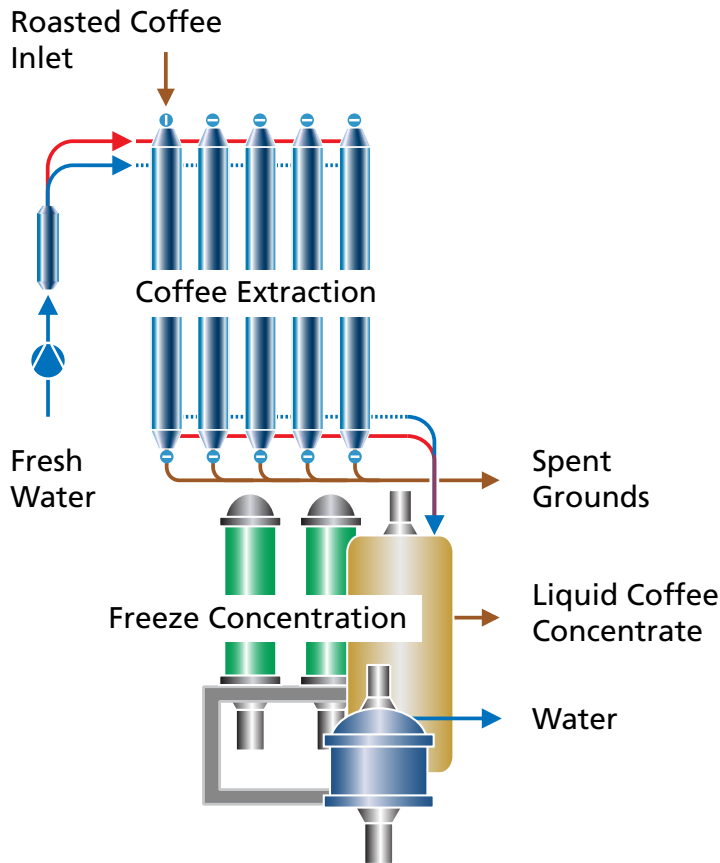
Liquid Coffee Concentrate

Freeze Concentration of Coffee Extract



Significant cost savings





Liquid Coffee Extract

Split or dual extraction provides a high quality aromatic extract ideal for further processing in a freeze concentration system. The second draw can be concentrated using conventional methods or optionally freeze concentrated (similar to full extraction).

Freeze concentration provides an economical coffee concentrate that makes it feasible to use top quality coffee extract for products like “canned coffee” and coffee ingredients.

The main activities of GEA Messo PT are:

- ♣ Development and research in crystallization and separation technology. Innovative research and development is constantly taking place for process and equipment development in order to create industrial systems to purify and separate crystals from an organic or aqueous liquid. The separation technology is based on the wash column principle where a selective separation of pure crystals is performed.
- ♣ Design and engineering of crystallization and separation equipment.
- ♣ Assembly of equipment for crystallization and separation
- ♣ Delivery of system components and services:
 - ◆ Freeze concentrators
 - ◆ Scraped surface heat exchangers
 - ◆ Crystallizers
 - ◆ Wash column separators
 - ◆ Research, testing, training and maintenance

Next Steps...

For more information regarding this technology and your specific configuration requirements please contact us at: info.niropt.nl@geagroup.com or phone +31.736 390 390.

