



Higher Value at Lower Cost?
APV SepStream Systems deliver – every time



Are you looking for:

Higher-value products with no waste?

APV SepStream Systems separate and concentrate your whey or milk raw material to create new value-added main stream products or ingredients with no waste as the process also produces a high-quality water main stream.

Straightforward and easy to use, APV SepStream Systems are supported by experienced SPX technologists in order to provide you with a financially attractive solution with short payback time and high return on investment.

» A quick solution at lower cost?

APV SepStream Systems with short delivery time, minimal investment, installation and commissioning costs and low operating costs.

Simply Plug and Produce!

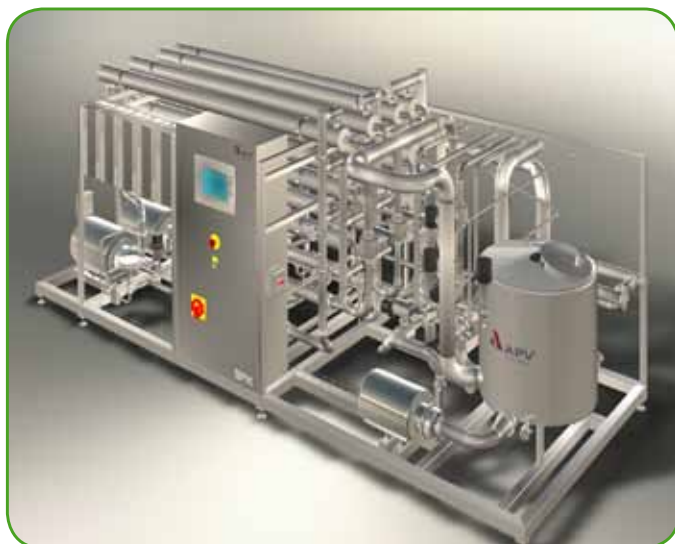
» High-performance at lower cost?

APV SepStream Systems are based on robust components with proven reliability for high performance and trouble-free operation with high running time and a minimum of maintenance.

» Top quality at lower cost?

APV SepStream Systems employ the same uncompromising quality principles as the large, customised SPX process solutions.

APV SepStream Systems offer a choice of four Ultrafiltration (UF) systems and four pre-engineered Reverse Osmosis (RO) systems for membrane filtration of cheese whey and milk with a nominal capacity range from 5 to 20 m³/h.



APV SepStream Systems



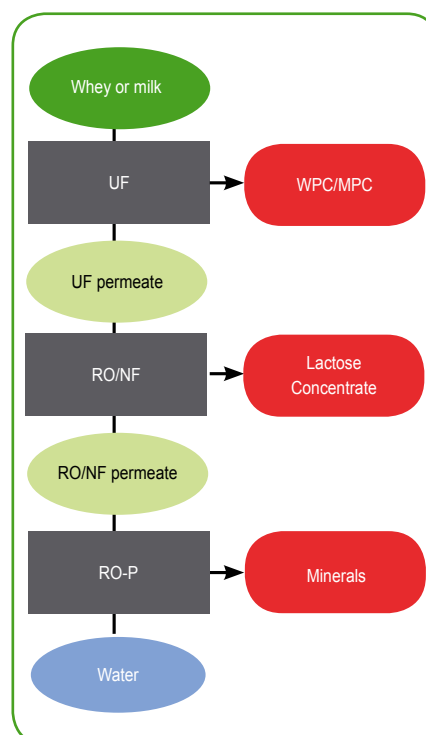
» Quality and innovation

UF of sweet and lactic whey results in WPC 35 or 60 for use in yoghurt and other fermented products, or as LeanCreme™ for cheese and drinks.

UF of milk resulting in MPC 50/60 enables protein standardization of cheese milk and other products.

» Lower costs, no waste - green profile

RO or Nanofiltration (NF) for in-house concentration and partial demineralization of whey and UF permeate results in product that can be used internally or that removes bulk from product requiring transportation. Further RO polishing using the same RO system produces high-quality soft water with low COD for use as process or CIP water.



APV SepStream processing of whey or milk

Ask SPX!

Our highly experienced and skilled technologists will help you to configure the application solution that best suits your needs.

SPX also offers pilot plant and consultancy services to help you develop new products or applications.

» Your benefits – add value to your products and processes

More than 1,200 APV Membrane Systems installed worldwide enable SPX customers to achieve higher performance, quality and brand value based on eight big benefits:

- Fast delivery, installation and commissioning
- Uncompromising quality and plant performance
- Proven and safe systems and solutions
- High hygienic dairy processing standard
- Multiple process and product flexibility
- Reduced water and waste treatment costs
- Smaller environmental footprint for an enhanced green profile
- World-class technology and aftermarket service



Production scale and application landscape for SepStream												
Production scale m ³ /day	UF sweet whey		UF lactic whey		UF raw milk	UF skim-milk		RO/NF sweet whey	RO/NF UF permeate	RO whole milk	RO-P RO permeate	RO white water
1,000 m ³ large scale					Protein standardisation batch process VCF 1,25 (Customised option)							
400 m ³ medium scale												
150 m ³ small scale	WPC 35	WPC 60	WPC 35	WPC 60		MPC 50	MPC 60	Whey concentrate up to 18% TS	UF permeate concentration up to 18% TS	Milk concentr. ~ 25% TS	RO polishing	Milk concentrate ~ 12.5% TS

Overview of SepStream opportunities in terms of production scale and flexibility in applications



Your local contact:



SPX Flow Technology
Pasteursvej,
DK-8600 Silkeborg, Denmark
Phone: +45 70 278 278 Fax: +45 70 278 330
www.apv.com
www.spxft.com

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.apv.com.

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Issued: 09/2010 6510-03-09-2010-GB

Copyright © 2010 SPX Corporation