



# Divos<sup>®</sup> 110

# VM7

## Alkaline Detergent for all UF Membranes

### Description

Divos<sup>®</sup> 110 detergent is a foaming, alkaline liquid, for the cleaning of chlorine stable ultrafiltration (UF) and microfiltration (MF) membranes. It is used for applications with chlorine for UF and MF.

### Effective

- Highly effective in the removal of fat and protein, while preventing scale build-up, increasing cleaning and production efficiency
- Can be used in combination with chlorine for UF and MF installations, where organic soiling is a problem, increasing permeation rates and returning water fluxes to original values
- Enhances cleaning efficacy, improving productivity and final product quality

### Versatile

- Tested on relevant chlorine stable UF and MF membrane types and approved by major original equipment manufacturers (OEMs)

### Cost-Effective

- When used in combination with chlorine for UF and MF installations processing milk products, it increases cleaning efficiency

### Discussion

Divos<sup>®</sup> 110 detergent is approved by major original equipment manufacturers (OEM) for use on UF and MF membranes. It is formulated to be effective in water hardness control. This product can be mixed with chlorine for organic soil removal on chlorine stable UF and MF membranes. It is also used for dairy UF and MF applications with Divos<sup>®</sup> 80-2 enzyme additive to improve protein removal. This product is effective for the removal of organic and inorganic scaling across other applications.



**Diverclean**



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### Use Instructions

Divos<sup>®</sup> 110 detergent is used at concentrations of 1–2% (v/v) (10–20 mL/L) at 50–75°C (122–167°F) for 20–40 minutes on pH 11.0–11.5 tolerant UF and MF membranes in combination with 120 ppm chlorine (the chlorine level should be maintained at 120 ppm throughout the clean). The temperature and pH that is used depends upon the cleaning temperature and pH tolerance of the membrane.

All surfaces subject to direct food contact must be thoroughly rinsed with potable water after treatment with this product.

### Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear colorless liquid
Scent	No fragrance added
Specific Gravity	1.18
pH (1%)	12.0
% P	1.88
% Free Alkalinity (Na <sub>2</sub> O)	5.8
% Total Alkalinity (Na <sub>2</sub> O)	15.0

The above data is typical of normal production and should not be taken as a specification.

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% w/w	Specific conductivity at 25° C [mS/cm]
1	5.3
2	10.2
3	14.8
4	19.4
5	23.9

### Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Material Safety Data Sheet.

### Product compatibility

Always ensure to check the membrane type, temperature and pH tolerance with the customer, membrane manufacturer, or OEM before making any recommendations.

### Test Kit

Alkaline Test Kit #409239

### Precautionary Statement

Refer to current Material Safety Data Sheet.