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Product Name :
Modular Cross Flow Filtration

Product Code :
LBNY-0005-1070005



Description :

The system uses a high-pressure piston-recirculation pump to circulate product through the filter module of choice. The speed of the recirculation pump can be adjusted to suit the particular filtration module and the product. The triple-piston design combined with high-pressure flexibles minimises pressure pulsation. The operator can use their own feed vessel or this can be specified. Accidental system over-pressure is avoided by a bursting disc downstream of the recirculation pump. The retentate back-pressure valve enables pressures up to 50 bar to be achieved.

Features:

- Variable retentate flow rate in order to change filtration cross-flow velocity
- Retentate electronic flowmeter measurement
- Retentate and permeate back pressure valves
- Capable of microfiltration, ultrafiltration, nanofiltration and reverse osmosis operations
- Maximum filtration pressure of 50 bar
- Clean-in-place capability
- Backpulsing option (suitable for certain modules)
- Mass balance option for permeate flow rate measurement
- All parameters are data logged
- Pressure sensors on the retentate inlet and outlet of the filtration module and on the permeate line.

Technical Specification :

Modular Cross Flow Filtration



Laboratory Instrument India