

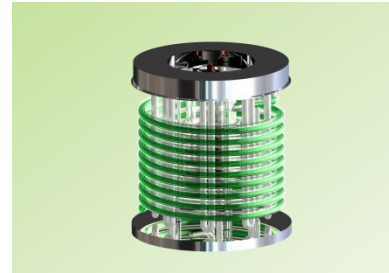
THE ULTIMATE NEW SCREENING SYSTEM

xCubio PBR



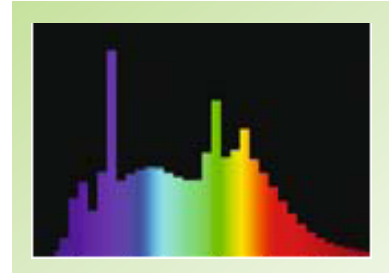
Vessel

- Proven tubular design
- Improved degassing system
- Autoclavable



Illumination

- Fluorescent lamps or daylight lamps or LED on demand
- Variable illumination scenarios
- PAR sensor control



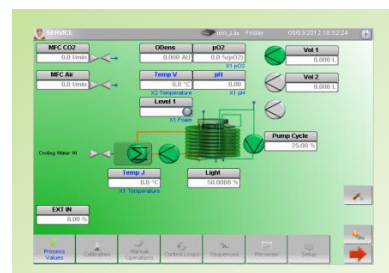
Instrumentation

- New capabilities as dissolved CO₂, exhaust gas analyzers, biomass
- Second pH or dissolved oxygen sensor
- Any gas mixing strategy



Automation

- Latest technologies for interfacing with user and external devices
- Recipe control



STANDARD SYSTEM

- Tube system
- ~4 Liter
- Degassing vessel with side inlet for optimal degassing
- Bottom outlet for improved flow
- Integrated circulation pump
- One tube pump
- pH & temperature control
- Harvest pipe
- Ports for gassing and inoculation

OPTIONS

MEDIA-FEED

- Up to 6 pumps, free choice of WM 114, 314, 400 pulse wide modulated or set point controlled
- Gravimetric flow controllers by use of connected balances for precise feeding of substances

MEDIA-GASSES

- Integration of other gasses for precise gas mixing with valves and/or mass flow controllers
- Separate stripping of oxygen

SENSORS

- Dissolved oxygen, carbon dioxide, foam, level, Redox
- Optical sensors for biomass in the vessel or in bypass
- Integrated exhaust analyzers for carbon dioxide and oxygen

VESSEL

- Combination with your own vessel design
- Variety of accessories available
- Large scale circulation pump
- Temperature control system

INTERFACE

- OPC functionality to integrate SCADA, DOE and external devices
- Interface to external analyzers to integrate external data into your process
- bbi dead volume free sampling system, autosampler

