

# MVWDCD-2000/1500/88

## VERTICAL PRESSURE LEAF FILTER SYSTEMS

The amafilter® MVWDCD-2000/1500/88 vertical pressure leaf filter system is ideal for use in filtration of catalyst particles from a paraffin wax stream.

This type of system filters with an 88 m<sup>2</sup> filtration area and are designed to feature a half pipe heating jacket for controlling the temperature of its contents. The jacket can work as a heating system around the vessel to keep the paraffin at a specific temperature to stop it from solidifying and blocking the filter. These filters are suitable for wet- and dry-cake discharge.

This system filters at up to 19 bar and can operate at a temperature of up to 225 °C. It is mounted with a specifically designed bottom cake discharge valve to meet the highest industry standards. The filter is also fitted with Kalrez gaskets / O-rings to meet the suspension aggressiveness.

### FEATURES AND BENEFITS

- Proven technology
- The pressure leaf filter is a closed filtration system which ensures safety of use.
- The MVWDCD-2000/1500/88 vertical pressure leaf filter system requires only a small footprint.
- Easy access to the filter leaves for removal of the cake
- It is fully automated, making it safer and requiring limited maintenance, hence lowering operational costs.
- The regeneration time between the filtration cycles is short, lowering operating costs as the filter can filtrate for longer periods without disruptions. This also delivers greater production capacity.
- The pressure filter leaves are easy to clean.
- The pressure leaf filter system has no rotating parts, keeping maintenance to a minimum.
- Reinforced filter elements, longer lifetime
- The specifically designed cover gasket does not require replacement each time the filter system cover is opened. The cover gasket comes with special self-sealing properties which ensure a perfect sealing solution and promoting maximum safety.
- The pressure leaf filter systems can be made with a heating jacket in order to maintain elevated process temperatures. This is specifically required to avoid cooling down of the suspension in instances where this is not permitted during the filtration process.

