

## SCREENING EQUIPMENT

### + BAND.PLUS BELT SCREENS

#### + BND+C CENTRE FLOW BAND SCREEN

BAND.PLUS (BND+) belt screens are used for reliable removal of fine debris from process liquid flow by means of fine and ultrafine screening in large, medium and small sized treatment plants as well as water intakes.

BND+ is mainly consisting of:

- + Self-standing or wall anchored frame,
- + Belt formed of screening elements,
- + Heavy duty drive unit,
- + Pressurized back wash cleaning system,
- + Discharge unit.

BND+ design is used as three different applications: Through flow, Centre flow and Dual flow. Decision of which flow type shall be selected in a particular project is based on process requirements. Perforated plates or woven mesh can be used for all flow applications as screening elements of the screen belt.

BND+C is a Centre Flow Belt Screen with a flow pattern which enters the equipment from centre and flows through the belt at both sides, inside-out leaving the debris within the equipment. The slow rotating belt carries the captured debris upwards out of the wastewater flow and before reaching the upper turning point the belt is cleaned by the pressurized spray. Cleaning is often supported with a counter rotating brush.

Centre Flow Belt Screens has a space saving design. Due to the vertical construction, it has a small footprint even for installations to very deep channels. Debris outlet may be arranged from front or back side according to layout necessities. A debris conveyor and compactor can be integrated to complete the system in a compact.

Three different types of BND+C have been created as standard design to meet different capacity requirements in a cost efficient and reliable way:

	BND+CK	BND+CM	BND+CG
Entry width (mm)	300	600	1.000
Belt width (mm)	500 - 900	750 - 2.000	1.200 - 3.000
Discharge height (mm)	6 m	12 m	20 m

