

SCREENING EQUIPMENT

+ BAND.PLUS BELT SCREENS

+ BND+T THROUGH 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+T is a Through Flow Belt Screen with a straight flow pattern. The liquid that will be screened flows through the belt, leaving the debris on the front side of the belt. The slow rotating belt carries the captured debris upwards out of the wastewater flow and after the upper turning point before reaching the discharge zone the belt is cleaned by the pressurized spray. Cleaning is also supported with a rotating brush.

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

- + BND+TG is designed to meet the requirements of large capacity water wastewater treatment plants and intake structures for power plants.
- + BND+TM is created to meet expectations of large to medium size water and wastewater treatment plants.
- + BND+TK is used for small to medium capacity wastewater treatment plants as coarse and fine screening equipment.

	BND+TK	BND+TM	BND+TG
Channel width (mm)	400 - 800	800 - 3000	3000 - 5000
Discharge height (mm)	6 m	12 m	20 m
Inclination	45° - 60°	60° - 75°	75° - 90°

