

## **LOW PROFILE SMX-S8**

### **Belt filter press for dewatering of municipal and industrial sludges**

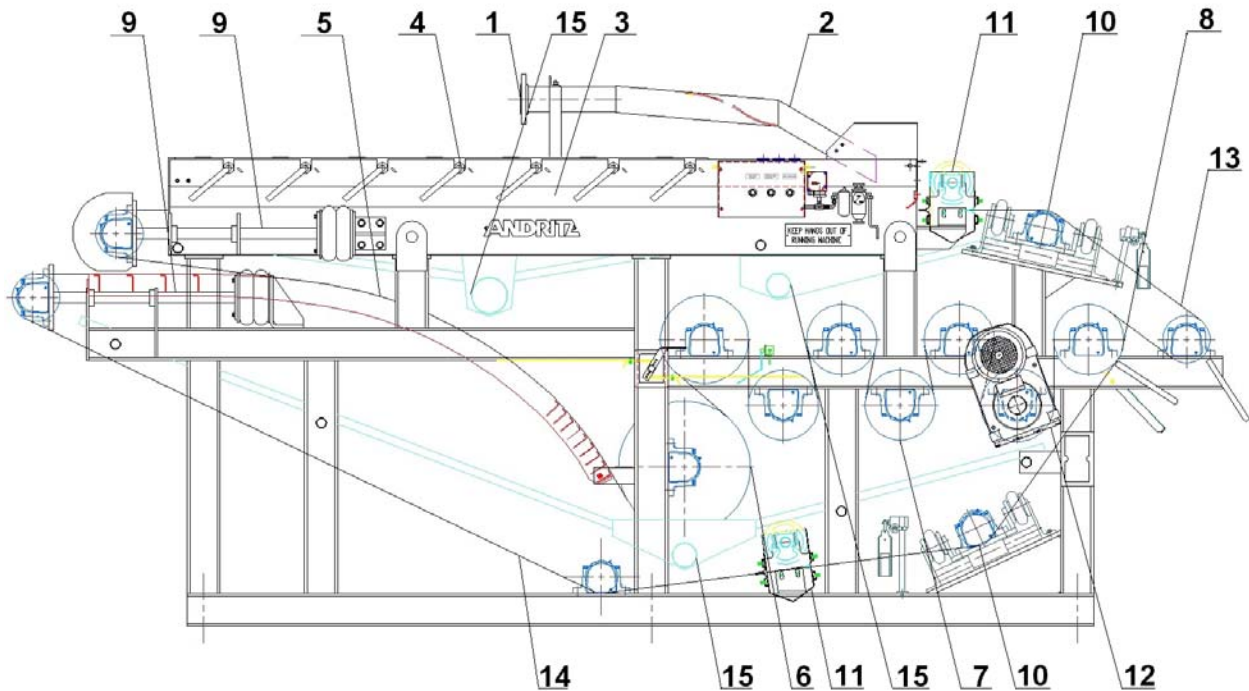


#### **Advantages of the Low Profile SMX-S8:**

- Optimum pressure increase up to 50 pli by 8 pressure rolls, also available with 10, 12 or 14 pressure rolls
- Sturdy frame design in hot dipped galvanized or stainless steel
- Frequency-controlled drive for upper and lower belt
- Patent pending Cambered Wedge
- Lifiable plow chicanes
- Easily accessible UHMWPE gravity/wedge zone wear strips
- High quality roll covering made of rubber, nylon and/or stainless steel
- Dual perforated rolls for increased performance
- Exterior-mounted roller bearings with triple lip ring sealing
- Separate discharge of filtrate and belt wash water for wash water recycling
- Belt cleaning with stainless steel spray pipes and built-in brushes

# Low Profile SMX-S8 Belt Filter Press

ENVIRONMENT AND PROCESS TECHNOLOGIES



- |                             |                             |                          |
|-----------------------------|-----------------------------|--------------------------|
| <b>1 Sludge inlet</b>       | <b>6 Pre-pressure zone</b>  | <b>11 Belt cleaning</b>  |
| <b>2 Distribution Chute</b> | <b>7 High-pressure zone</b> | <b>12 Machine drive</b>  |
| <b>3 Gravity zone</b>       | <b>8 Cake discharge</b>     | <b>13 Top belt</b>       |
| <b>4 Chicanes</b>           | <b>9 Belt tension</b>       | <b>14 Bottom belt</b>    |
| <b>5 Wedge zone</b>         | <b>10 Belt tracking</b>     | <b>15 Filtrate drain</b> |

## Technical Data\*

Machine Dimensions					
Unit Size	Length	Height	Width	Cake Width	Weight
mm	in	in	in	in	lbs
1000	238	96	93	40	17,000
1500	238	96	115	59	18,200
2000	238	96	137	79	20,000

Utilities Requirements				
Drive Motor	Wash Water Flow Rate	Water Pressure	Compressed Air	
hp	gpm	psig	cfm	psig
3.0	45	120	3	90
3.0	64	120	3	90
5.0	90	120	3	90

\*Data subject to change without notice.