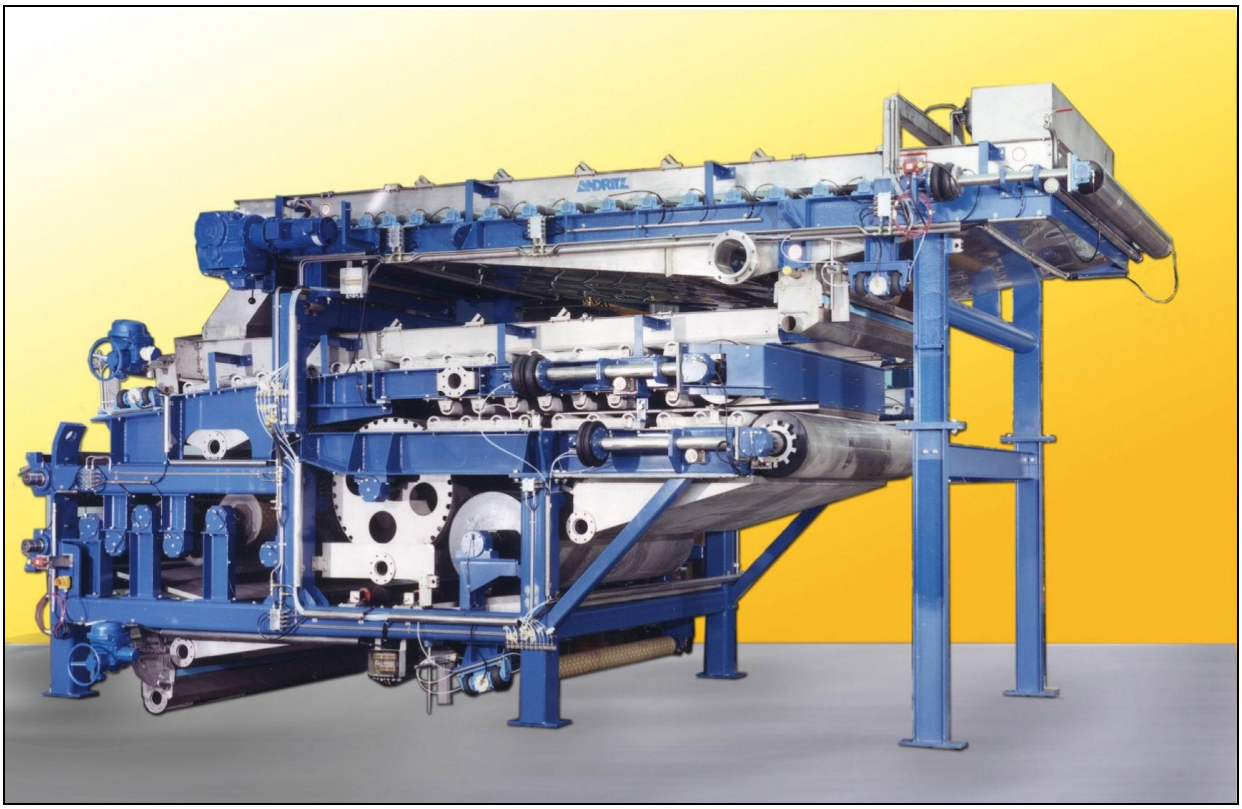
Continuous Pressure Filter

CPF 2200 S8 (P)

Belt Press for dewatering mineral and industrial sludges



Main strength of the CPF 2200 S8 (P):

- **Extremely long service life due to "industrial / mining design"** – special frame, rolls with wear-proof coating and bearings designed for over 100,000 operating hours.
  No sliding strips in dewatering zones, just rolls, high availability → proved to be in excess of 99%.
- **Long useful belt life,** proved to be over 7500 operating hours in mineral treatment → low wear and minimum downtime.
- **High specific throughput** due to optimized gravity zone design with distributing device / baffles and wedge zone design with support rolls and the large roll diameters in the press zone, which generate surface pressure.
- **Minimum residual moisture** because of the high surface pressure (up to 2 bar), at simultaneous shear force applied to the filter cake.
  Adjustable wedge zone geometry for on-site technological optimation. Step by step increase of the surface pressure due to use of S-rolls with different diameters and line-pressure roll option.
- **Compact structure,** as the gravity, wedge and pressure zones are optimally arranged on top of each other.
- **Uniform distribution of solids** over the entire working width due to patented pivoting distribution device.
- A **supplementary gravity zone** can be optionally added if highest throughput values are to be achieved (see picture).
- **Reliable continuous operation** due to automatic belt control. No monitoring required.

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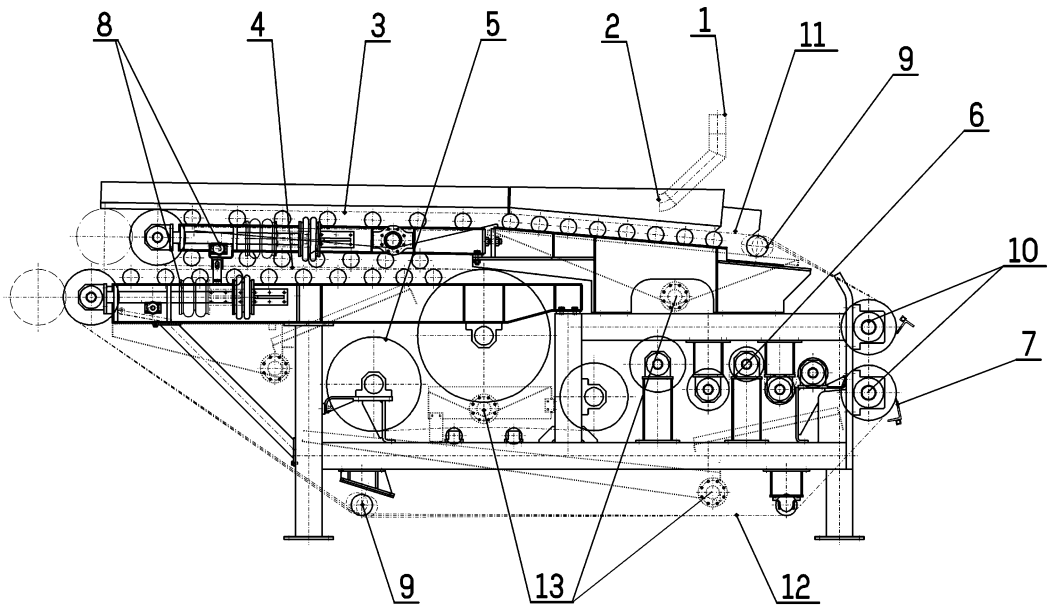

1	Sludge inlet	6	High-pressure zone	10	Machine drive
2	Sludge feed	7	Press cake discharge	11	Top belt
3	Gravity zone	8	Belt tension & parallel guiding	12	Bottom belt
4	Wedge zone	9	Belt regulator	13	Filtrate discharge
5	Pre-press zone				

Technical Data* for a wire working width of 2,200 mm

Dimensions			
Length	Width without drive	Height (without sludge feed)	Weight (depends on model)
mm	mm	mm	kN
Without supplementary gravity zone			
6900	3400	2700	190-250
With supplementary gravity zone			
6900	3400	3800	220-280

Utilities				
Drive	Wash water-required	Water pressure	Compressed air	
kW	m^3/h	bar	m^3/h	bar
Without supplementary gravity zone				
15	16	6	2,5	7
With supplementary gravity zone				
18	24	6	3	7

* Subject to technical modifications

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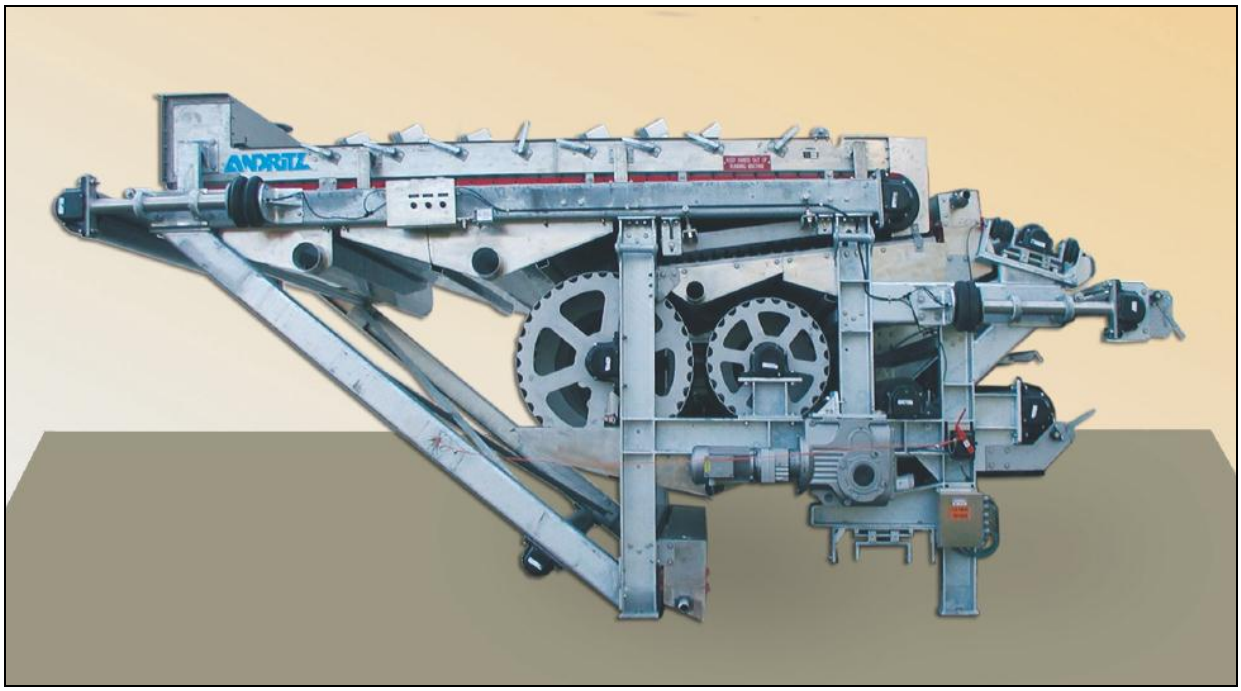
Continuous Pressure Filter

CPF 3000 SMX-Mining

Belt Press for dewatering mineral and industrial sludges



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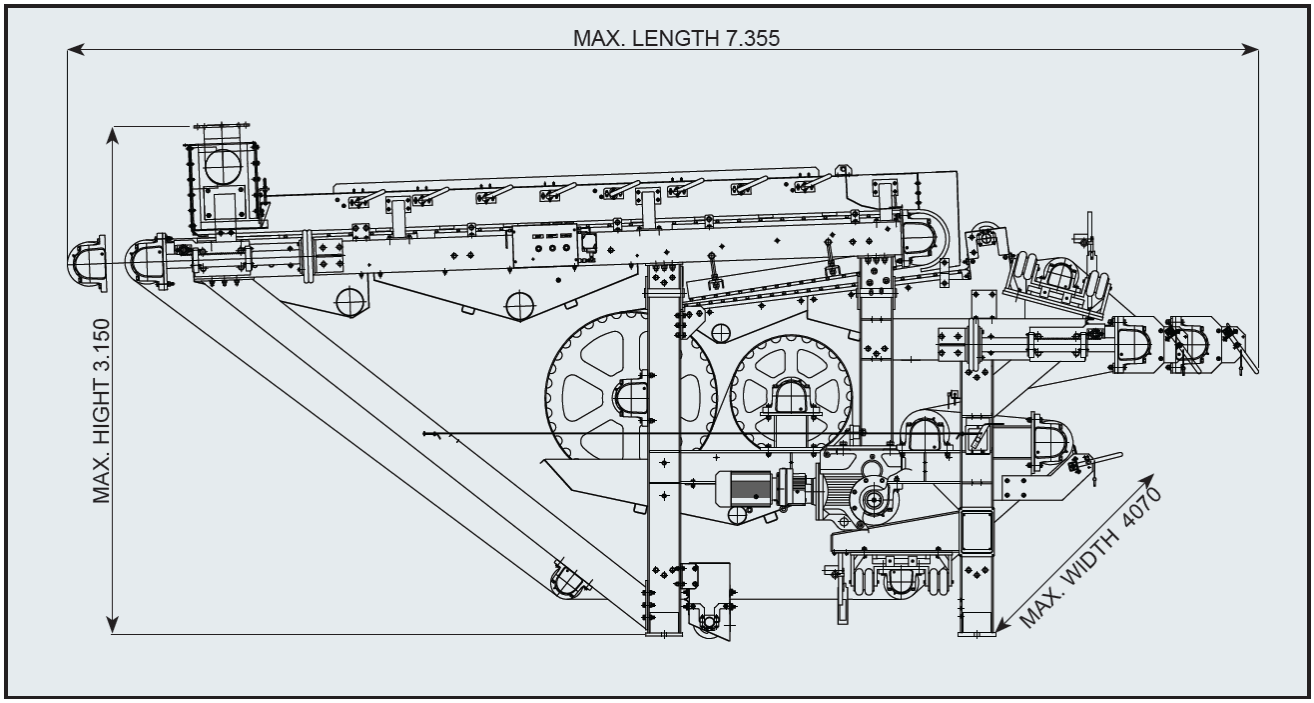

Technical Data* for a wire working width of 3,000 mm

Dimensions			
Length	Width	Height	Weight (depends on model)
mm	mm	mm	kN
7355	4070	3150	160-180

Utilities				
Drive	Wash water-required	Water pressure	Compressed air	
kW	m^3/h	bar	m^3/h	bar
5,5	29,5	8	7	7

* Subject to technical modifications

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