

# Tube Press

## High pressure filtration

The Tube Press is a membrane type filter press designed in cylindrical format and capable of operating at high filtration pressures up to 100 bar. The use of these high pressures enables a higher degree of separation of the liquid and solid phases.

### Technical description:

Automatic, batch operation, variable chamber, high pressure, membrane type filter press.

### Operating conditions:

Variable pressures up to 100 bar depending on selected model.

### Process advantages:

- High degree of liquid solids separation of fine particle slurries
- Compact dust free filtercake
- Clear solids free filtrate
- Automatic operation
- Air purge option
- Filtercake washing option
- Stainless steel materials of construction for product wetted parts
- Variable chamber for slurry fill, wash liquid and air volumes
- Low residual filtercake moistures
- Mechanical simplicity

### Operation advantages

- PLC, SCADA based control system
- Water based hydraulic system
- Modular design, plants can be designed for expansion
- Alternative ancillary packages



- Ability to operate individually or in different configurations
- Alternative configurations of construction

### Tube press configuration:

The Tube Press 500 series is available mainly in two different sizes.

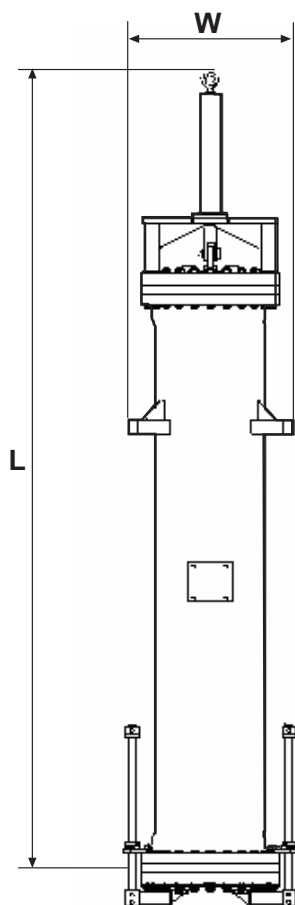
500 series. Casing diameter 500 mm. Nominal lengths available 1 500 mm and 3 000 mm. Maximum pressure 100 bar (1 450 psi).

	1.5 m	3 m
Filtration pressure - max. (bar)	100	100
Length of candle (mm)	1 500	3 000
Candle diameter (mm)	389	389
Filter area (m <sup>2</sup> )	1.75	3.47
Effective volume (litres)	100	200
Candle weight (kg)	580	1 100
Total weight (kg)	2 000	3 000
Crane height (m)	6.17	9.17

For more information, contact your local Metso representative. [www.metso.com](http://www.metso.com)  
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## Specifications



Model	L mm (inch) tube length	W mm (inch)	Weight (empty) ton	Filter area m <sup>2</sup> (ft <sup>2</sup> )	Max op. pressure bar (psi)
SC 500-1,2	3 500 (138)	860 (34)	1.8	1.35 (14.5)	100 (1 450)
SC 500-1,5	3 800 (150)	860 (34)	2	1.73 (18.6)	100 (1 450)
SC-500-3,0	5 200 (205)	860 (34)	3	3,45 (37.1)	100 (1 450)