

Your air. We care.

Air Washer



Air humidification, cooling
and dehumidification

Luwa

A Division of the Zellweger Luwa Group

Air Washer – efficient, adjustable, easy to maintain

The Air Washer can be applied either in a centralized air handling system (TexPac) or, as a stand-alone unit, in a central station of masonry.

The housing stands clear of the ground on a base frame and consists of standardized GFK panels.

A pump draws the water directly from a tank. In case of water filtration or of chilled water operation, an additional reservoir is used.

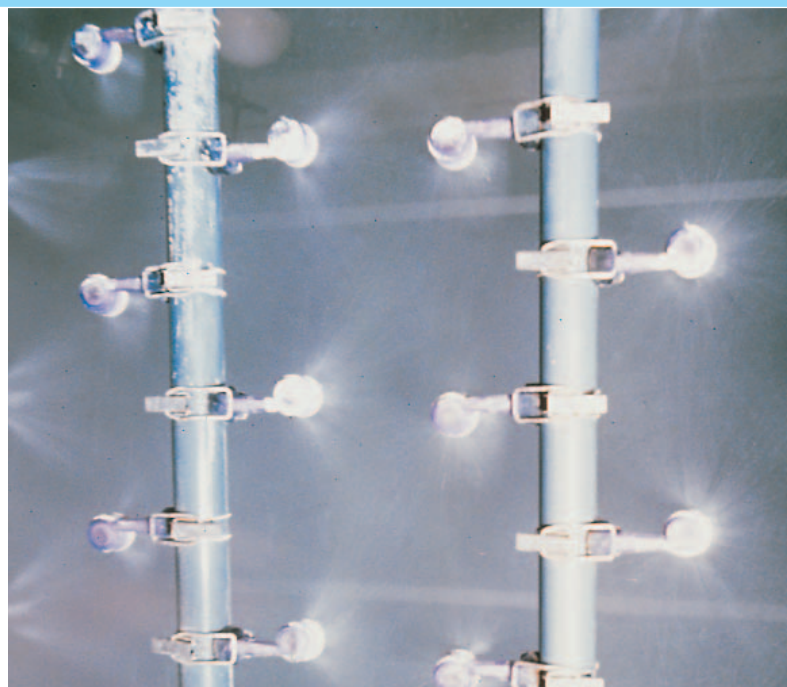
The Air Washer is also available, without GFK housing, for being built in into a central station of masonry.

Features

- Constant and optimum humidification for dew point operation
- Variable humidification of the supply air for partial saturation
- Possibility of cooling, humidification and dehumidification with chilled water
- Housing of GFK, other elements, in contact with humidity, made of plastics or of stainless steel
- Centrifugal pump of cast iron
- Atomizer nozzles of plastics

Advantages

- Modular construction
- Corrosion resistant design
- High humidification efficiency with small pressure loss, adjustable humidification performance
- High air throughput
- Low maintenance design
- Atomizer nozzles resistant to clogging



Options

- Static water filter, filter cage of plastics, resistant to decalcifiers and to cleaning agents
- Automatic rotary water filter with replaceable filter fabric, spray and protection device, drive by electric motor
- Automatic sludge removal
- Tank bottom cleaning
- Regulation of water quantity by pump with frequency converter

Technical data

Air throughput speed (m/s)	4 – 6
Air flow rate (m ³ /h)	30 000 – 253 000
Pressure loss (Pa)	60 – 125

Zellweger Luwa AG
Division Luwa
Wilstrasse 11
CH-8610 Uster
Phone +41 (0)44 943 51 51
Fax +41 (0)44 943 51 52

www.luwa.com

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