

# TOMAL<sup>®</sup> metering system for powdered activated carbon (PAC)

Effective elimination of micro-contaminants as the last stage of waste water treatment – efficient, precise and reproducible



## 5-50 kg/h of dry PAC with a re-dilution of 3-5 m<sup>3</sup>/h and a final concentration of max. 1%

The special metering system consists of the Tomal<sup>®</sup> Big Bag emptying unit, the powder storage tank and the Tomal<sup>®</sup> multi-screw feeder. This meters the powdered active carbon volumetrically and reproducibly with excellent precision. Unlike gravimetric metering systems, this technology requires no error-prone, maintenance-intensive weighing equipment.

The Big Bag is lifted into the carrier frame by a forklift. The outlet connection is released and it is fed into the powder funnel. The multi-screw feeder meters the PAC at the same time as the treatment water into the wetting cone. The PAC suspension is supplied to the metering point at a max. back pressure of 1 bar via the Venturi water ejector.

## Your benefits

- Economical thanks to volumetric metering – no over-metering
- Maximum reproducibility
- Dust-free metering
- Better than 1% precision

## Field of application

- Municipal waste water treatment

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## Technical Data

### Equipment options:

- Electrical equipment, including ABB PLC Programmable Logic Controller comprising a control cabinet with housing made from lacquered steel, internal wiring
- Test run before despatch in our factory
- Configuration in accordance with SS-EN 60204-1
- Supply voltage: 3 x 400/230 V, 50 Hz
- Control voltage: 24 VDC
- Dust-free connector for Big Bags
- Dust filter with blower
- Mixing tank in place of wetting cone
- Silo for filling by truck in place of frame for Big Bags. Frame for Big Bags and stainless steel multi-screw feeder