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Patented Technology for Solid-Liquid Separation

Epuramat is a Luxembourgish company designing and manufacturing compact and turn-key wastewater treatment solutions for a wide range of municipal and industrial applications. The company's key product is the ExSep®, a patented technology for solid-liquid separation based on gravity and fluid dynamics. This primary treatment system is scalable for capacities from 0.5 to 250 m³/hour and offers a separation efficiency of up to 99 percent with low energy demand and no chemicals in most applications. Thanks to the performance of the product, subsequent treatment steps are relieved and can be designed in smaller scale. In the municipal area, the product is particularly suitable for increasing the capacity and improving the performance of existing

wastewater treatment plants. It can also be used as primary treatment solution for process water from various industries. This technology is also used in the Box4Water, the company's containerized wastewater treatment plant. It offers a compact and turn-key solution for the decentralized treatment of municipal wastewater up to 200 m³/day (or 1000 PE). All the treatment steps are integrated in a standard ISO container: buffer tank, primary treatment (solid-liquid separation by ExSep®), biological treatment and sludge dewatering. The effluent of the Box4Water is in compliance with international and European standards for wastewater discharge into surface water. The Box4Water can be customized according to local requirements and



Box4Water

customer needs by using different technologies and is also available for industrial applications such as carwash water recycling or oil/water separation. ■



CHECK VALVES MANUFACTURER FABRICANTE VÁLVULAS RETENCIÓN



MARKETS / MERCADOS:

Desalination, Sewage, Potable, Industrial, etc.

Desalinización, Residual, Potable Industrial, etc.

MATERIALS / MATERIALES:

Iron, Steel, Duplex, Alu-brz, etc.

Hierro, Acero, Duplex, Alu-brz, etc.

DIMENSIONS & RATINGS / DIMENSIONES Y RATINGS:

DN25 (1") / DN1400 (56")

PN10/PN100

ANSI150#/ANSI600#.



Office and manufacturing: C/ Dalia 17 28970 Humanes de Madrid

Tel/fax: +34916043045 / +34916043046

Web/E-mail: www.castflow.com / castflow@castflow.com / export@castflow.com