

# MEDGYESEGYHÁZA MUNICIPAL WWTP

Hungary

<b>SIZE OF WWTP</b>	300 m <sup>3</sup> /day (79 250 GPD)
<b>END USER</b>	Public utility provider, Gyulai Közüzemi Nonprofit Kft.
<b>CUSTOMER</b>	Pure-Aqua Kft.
<b>START OF OPERATION</b>	October, 2015

## ISSUE

The client was not satisfied with the existing belt-filter press because of high repair and maintenance costs, therefore they decided to change it during the general reconstruction of WWTP. The client was looking for sludge dewatering solution with low power consumption as well as small footprint to be installed in place of the existing filter press.

## SOLUTION

After the detailed analysis and comparison with other manufacturers, the client chose our dehydrator MDQ-201. During the design stage, EKOTON specialists actively assisted in the development of sludge dewatering scheme.

## RESULTS

<b>TYPE OF SLUDGE</b>	Mixture of primary sludge and waste activated sludge
<b>UNIT SLUDGE SUPPLY</b>	0.5-1.3 m <sup>3</sup> /h (2.2-5.7 GPM) 16-18 kg DS/h (35-40 lb DS/h)
<b>FEED SLUDGE DS CONCENTRATION</b>	2 %
<b>CAKE DS CONCENTRATION</b>	18 %
<b>OPERATION TIME</b>	5-6 h/d
<b>AVERAGE POLYMER DOSE</b>	3.5-4 g/kg DS (7-8 lb/ton DS)
<b>UNIT DAILY POWER CONSUMPTION</b>	4-5 kW*h

