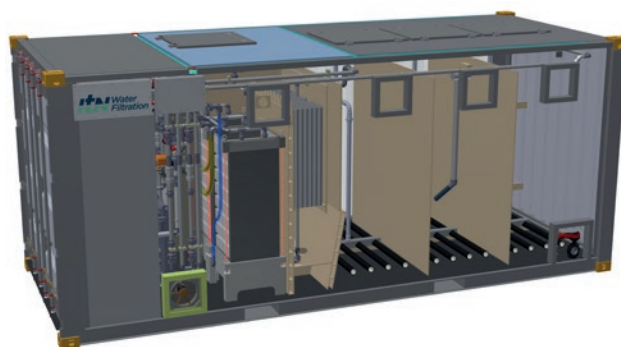


# MBCR Filtration Container

- MBCR – Moving Bed Ceramic Reactor is an advanced process combination of MBBR with Ceramic Flat Membranes.
- Completely integrated sewage treatment process including biological treatment and Ceramic Filtration.
- Compact plug & play design.



## Applicable for

✓ Sewage

## Project Size

✓ Small

<b>Type of Ceramic Flat Membrane</b>	See technical data sheet "Ceramic Flat Membrane"	
<b>Type of Filtration Module</b>	Filtration Module T HP-S . See technical data sheet "Filtration Module T-Series"	
<b>Type of MBCR Container</b>	<b>MBCR S-Type ISO 20'</b>	<b>MBCR M-Type ISO 40'</b>
<b>Type of Frame Design</b>	See technical data sheet "Single Filtration Tower"	
<b>Max. Capacity [m<sup>3</sup>/d]</b>	55	110
<b>Max. Population Equivalent</b>	500	1,000
<b>No. of Filtration Towers</b>	2	4
<b>No. of Filtration Modules per Tower</b>	8	
<b>Total Filtration Area [m<sup>2</sup>]</b>	64	128

Type of Slim Fit Tank	MBCR S-Type ISO 20'	MBCR M-Type ISO 40'
Total Net Weight [kg]	5,000	10,000
Total Gross Weight [kg]	23,000	46,000
Height [mm]	2,600	
Width [mm]	2,440	
Length [mm]	6,060	12,190
Power supply	TN-S, 3 phases, 400 V, 20 kW	
Average Power Consumption [kWh per m <sup>3</sup> ]	1.50	
Main included Components	<ul style="list-style-type: none"> <li>• 3-step MBBR complete process for targeted treatment of COD/BOD, Total N and P</li> <li>• Lamella separator</li> <li>• Filtration tank</li> <li>• CFM Systems® Filtration Technology</li> <li>• Filtered water backwash tank</li> <li>• Membrane CIP station</li> <li>• Control Cabinet with internet monitoring &amp; controlling system and PLC with touch screen</li> </ul>	
Optional Components	Post-chlorination system	
Requirements at Installation Site	<ul style="list-style-type: none"> <li>• Foundation for container</li> <li>• Connection to sewage system, e.g. from septic tank</li> <li>• Power supply</li> <li>• Sludge holding tank</li> <li>• Filtered water storage tank (optional)</li> </ul>	