

A3-USA

Water and Wastewater Membranes

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Process water - Ultrafiltration (UF) and Reverse Osmosis (RO)

Supply of a treatment plant for process water generated by a biogas plant. The process water undergoes a two stage treatment consisting of ultrafiltration and reverse osmosis before it is re-used in a local automobile paint shop. The process water has a COD (up to 60,000 mg/l), nitrogen, and phosphate content.

Customer:	Diefenthal-Biogas GmbH
Capacity:	82,000 gpd (180,000 lbs/d of bio waste)
Influent:	Process water of a biogas plant
Effluent:	COD: < 100 mg/l NH ₄ -N: <10 mg/l PO ₄ -P: < 2 mg/l
Technology:	UF & RO
Pore size UF:	0.05 µm (ceramic membrane)

