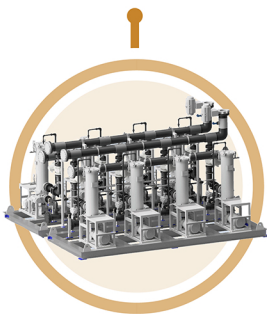


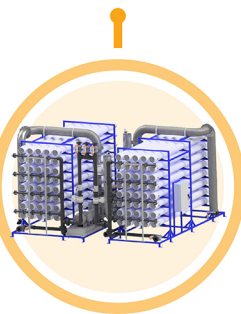
Analytical Data from Commercial Operations at a Large Whey Processing Facility in Wisconsin

| Parameter                     | Units | Raw Wastewater<br>Average (n=5) | RO Permeate<br>Average (n=5) |
|-------------------------------|-------|---------------------------------|------------------------------|
| Total Solids (TS)             | %     | 4.05                            | 0.04                         |
| Total suspended solids (TSS)  | mg/L  | 3,467                           | 23                           |
| Chemical oxygen demand (COD)  | mg/L  | 54,596                          | 287                          |
| Ammoniacal nitrogen           | mg/L  | 27                              | 5.70                         |
| Organic nitrogen              | mg/L  | 836                             | 12.13                        |
| Total Kjeldahl nitrogen (TKN) | mg/L  | 863                             | 14.03                        |
| Phosphorus                    | mg/L  | 329                             | 2.92                         |
| Potassium                     | mg/L  | 928                             | 55.54                        |
| Sulfur                        | mg/L  | 201                             | 1.55                         |
| Calcium                       | mg/L  | 556                             | 5.59                         |
| Magnesium                     | mg/L  | 108                             | 0.91                         |
| Sodium                        | mg/L  | 1,848                           | 44.33                        |
| Iron                          | mg/L  | 0.47                            | n.d                          |
| Manganese                     | mg/L  | 0.02                            | n.d                          |
| Zinc                          | mg/L  | 0.28                            | n.d                          |
| Copper                        | mg/L  | 0.24                            | n.d                          |
| Conductivity                  | ms/cm | 9.73                            | 0.54                         |
| pH                            | S.U.  | 4.15                            | 4.33                         |

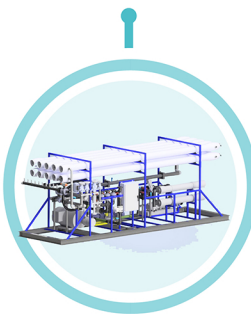
**SPIRAL BRUSH FILTER**



**SUPERFILTRATION**



**REVERSE OSMOSIS**



**CLEAN  
WATER**