

BIOLOGICAL PROCESS SELECTION

| Selection Factors | Aqua MixAir® | AquaPASS® | AquaPAC® | AquaSBR® | Aqua BioMax™ | Aqua BioMax™ | Aqua MSBR® | Aqua MBR | Aqua-Aerobic® MBR |
|---|--------------|-----------|----------|----------|--------------|--------------|------------|----------|-------------------|
| Performance | | | | | | | | | |
| Handles High Peak Flows | ● | | | □ | □ | ● | □ | | |
| BOD/COD Reduction | ■ | ■ | ■ | ■ | ■ | ■ | □ | | |
| Nitrification ($\text{NH}_3\text{-N} < 1 \text{ mg/l}$) | ■ | ■ | | □ | □ | | | | |
| Denitrification ($\text{TN} < 3 \text{ mg/l}$) | | □ | | □ | □ | □ | | | |
| Total P $< 0.6 \text{ mg/l}^2$ | X | X | | □ | □ | | | | |
| Total P $< 0.1 \text{ mg/l}^2$ | X | X | X | X | X | X | X | | |
| Guaranteed TSS $< 10 \text{ mg/l}$ | ● | | | □ | □ | | | | |
| Guaranteed TSS $< 2 \text{ mg/l}$ | X | X | X | X | X | X | X | | |
| Turbidity $< 0.1 \text{ NTU}$ | X | X | X | X | X | X | X | | |
| Bacteria (E. Coli) and Virus Removal | X | X | X | X | X | X | X | | |
| System Costs | | | | | | | | | |
| Provides Low Equipment Cost | | □ | | □ | ● | ● | | | |
| Provides Low Installed Cost | | □ | | □ | ■ | ● | □ | | |
| Provides Low Cost of Ownership | | □ | | □ | ■ | ● | □ | | |

¹This selection chart considers Aqua-Aerobic products only and is not intended as a comparison to competing processes.

²With chemical addition, refer to the Phosphorus Removal section.

³The Aqua-Aerobic MBR offers an added level of treatment; evaluate against other membrane processes.