

Competitor Comparison - BNR and Non-BNR

Features	AquaPASS®	Oxidation Ditch (non-BNR)	Multiple Stage BNR Process
Design			
Flexible Tank Materials	X	X	X
Flexible Geometries	X		
Common-Wall Construction	X		X
Flexible Operating Depths	X		X
Diffused Aeration Options	X		X
Surface Aeration Options	X	X	X
Retrievable Diffuser Option	X		
Independent Mixing	X		
Manual Operation	X	X	X
PLC Based Operation	X		
Operator Interface Set-Point Control	X		
Ethernet Communication - Standard	X		
Online Support via Modem	X		
Tailored Equipment Options	X	X	X
Process			
Automatic DO Set-Point Control	X		
Aeration Turn-Down without Loss of Mixing	X		
Adjustable Anoxic Time	X		
Eliminates $\text{NO}_3\text{-N}$ Recycle	X	X	
PreAnoxic MLSS Conditioning	X		
Phase Separator (MLSS Thickening)	X		
Nitrification ($\text{NH}_3\text{-N} < 1 \text{ mg/l}$)	X	X	X
Denitrification ($\text{TN} < 10 \text{ mg/l}$)	X		3 Stage
Denitrification ($\text{TN} < 10 \text{ mg/l}$)	X		5 Stage
Bio P Removal ($\text{TP} < 0.6 \text{ mg/l}$)	X		X
Supplemental Wet Weather Settling	X	X	