

### Blackburn Meadows STW - ASP3: Yorkshire Water

Principal contractor:	ETM
<b>Design parameters:</b>	
Number of Tanks:	4 Rectangular
Size of Each Tank:	83.5m x 8.35m x 6.0m
Volume of Each Tank:	4,183.35 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	317.23 kgO <sub>2</sub> /h
System Pressure:	741 mbar
Total Air Flow to Tanks:	2,998 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	664
Aquaconsult Diffusers per Tank:	166
Type and Length of Diffuser:	Q3.0 EU



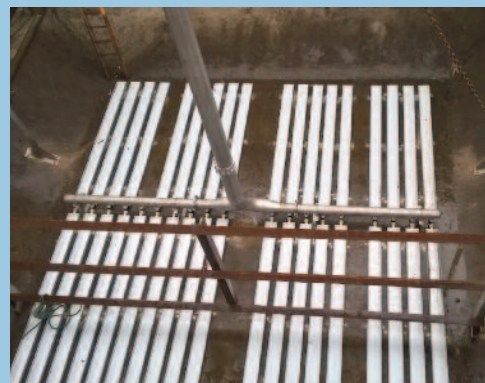
### Blackburn Meadows STW - Hybrid: Yorkshire Water

Principal contractor:	ETM
<b>Design parameters:</b>	
Number of Tanks:	8 Rectangular
Size of Each Tank:	165.2m x 5.00m x 6.1m
Volume of Each Tank:	5,038.60 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	469.9 kgO <sub>2</sub> /h
System Pressure:	750 mbar
Total Air Flow to Tanks:	4,351 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	1720
Aquaconsult Diffusers per Tank:	215
Type and Length of Diffuser:	Q3.5 EU



### Tudhoe Mill STW: Northumbrian Water

Principal contractor:	Interserve
<b>Design parameters:</b>	
Number of Tanks:	3 Rectangular
Size of Each Tank:	25.5m x 8.5m x 4.3m
Volume of Each Tank:	932 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	3
Standard Oxygen Transfer Rate (SOTR):	380 kgO <sub>2</sub> /h
System Pressure:	561 mbar
Total Air Flow to Tanks:	4,620 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	204
Aquaconsult Diffusers per Tank:	68
Type and Length of Diffuser:	Q3 EU
Number of IFAS cages:	18
Number of IFAS Curtains:	3,672 / 3.5m Long



### Cambridge STW: Anglian Water

Principal contractor:	Skanska
<b>Design parameters:</b>	
Number of Tanks:	4 Rectangular
Size of Each Tank:	92m x 9m x 6m
Volume of Each Tank:	4,968 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	1,657 kgO <sub>2</sub> /h
System Pressure:	727 mbar
Total Air Flow to Tanks:	14,360 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	816
Aquaconsult Diffusers per Tank:	204
Type and Length of Diffuser:	Q3.5 EU



### Seaton Carew STW: Northumbrian Water

Principal contractor:	Interserve
<b>Design parameters:</b>	
Number of Tanks:	4 Rectangular
Size of Each Tank:	48.8m x 7.49m x 5.5m
Volume of Each Tank:	2,010.3 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	1,109.17 kgO <sub>2</sub> /h
System Pressure:	671 mbar
Total Air Flow to Tanks:	11,080 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	576
Aquaconsult Diffusers per Tank:	144
Type and Length of Diffuser:	Q3.5 EU
Number of IFAS cages:	16



### Scotter WwTW: Severn Trent Water

Principal contractor:	Nomenca
<b>Design parameters:</b>	
Number of Tanks:	1 Concentric
Size of Each Tank:	17.5m x 10.2m x 4.48m
Volume of Each Tank:	178 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	30.4 kgO <sub>2</sub> /h
System Pressure:	556 mbar
Total Air Flow to Tanks:	369 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	26
Aquaconsult Diffusers per Tank:	26
Type and Length of Diffuser:	P1.5 EU, 1.5m long Mounted on liftout grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	2.85 kgO <sub>2</sub> /kWh



### Chelmsford WwTW: Anglian Water

Principal contractor:	LES Engineering
<b>Design parameters:</b>	
Number of Tanks:	2
Size of Each Tank:	65.5m x 10m x 4.5m
Volume of Each Tank:	2,948 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	696 kgO <sub>2</sub> /h
System Pressure:	534 mbar
Total Air Flow to Tanks:	7,600 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	336
Aquaconsult Diffusers per Tank:	168
Type and Length of Diffuser:	P4.0 EU, 4.0m long Mounted on lift out grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Harrogate WwTW: Yorkshire Water

Principal contractor:	Laing O'Rourke
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	55m x 5.5m x 6.4m
Volume of Each Tank:	1,936 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	272
Aquaconsult Diffusers per Tank:	68
Type and Length of Diffuser:	P4.0 EU, 4.0m long
Membrane Type:	Polyurethane



### Huddersfield WwTW: Yorkshire Water

Principal contractor:	Morgan Est
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	63m x 31.4m x 6m
Volume of Each Tank:	11,869 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	1,428
Aquaconsult Diffusers per Tank:	312
Type and Length of Diffuser:	P4.0 EU, 4.0m long
Membrane Type:	Polyurethane



### Knostrop WwTW Phase 2: Yorkshire Water

Principal contractor:	Laing O'Rourke
<b>Design parameters:</b>	
Number of Tanks:	6
Size of Each Tank:	65m x 25m x 7.5m
Volume of Each Tank:	12,187 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	2,160
Aquaconsult Diffusers per Tank:	360
Type and Length of Diffuser:	P3.5 EU, 3.5m long
Membrane Type:	Polyurethane



### Witham WwTW: Anglian Water

Principal contractor	LES Engineering
<b>Design parameters:</b>	
Number of Tanks:	2
Size of Each Tank:	65m x 10m x 4.5m
Volume of Each Tank:	2,925 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	296 kgO <sub>2</sub> /h
System Pressure:	502 mbar
Total Air Flow to Tanks:	3,005 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	200
Aquaconsult Diffusers per Tank:	100
Type and Length of Diffuser:	P4.0 EU, 4.0m long Mounted on lift out grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Spenn Valley WwTW: Yorkshire Water

Principal contractor:	ETM
<b>Design parameters:</b>	
Number of Tanks:	6
Size of Each Tank:	62.3m x 24.6m x 6m
Volume of Each Tank:	9,198 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	1,620
Aquaconsult Diffusers per Tank:	270
Type and Length of Diffuser:	P3.5 EU, 3.5m long
Membrane Type:	Polyurethane



### Naburn WwTW: Yorkshire Water

Principal contractor:	Black & Veatch
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	102.5m x 24m x 7m
Volume of Each Tank:	17,220 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	3,240
Aquaconsult Diffusers per Tank:	810
Type and Length of Diffuser:	P3.0 EU, 3.0m long
Membrane Type:	Polyurethane



### Neiley WwTW: Yorkshire Water

Principal contractor:	Morgan Est
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	29.14m x 13.8m x 6.5m
Volume of Each Tank:	2,127 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	336
Aquaconsult Diffusers per Tank:	84
Type and Length of Diffuser:	P2.5 EU, 2.5m long
Membrane Type:	Polyurethane



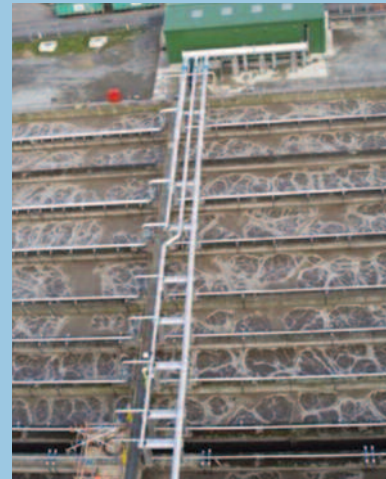
### Lundwood WwTW: Yorkshire Water

Principal contractor:	ETM
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	27.5m x 10m x 6m
Volume of Each Tank:	1,650 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	240
Aquaconsult Diffusers per Tank:	60
Type and Length of Diffuser:	P4.0 EU, 4.0m long
Membrane Type:	Polyurethane



### Basildon WwTW: Anglian Water

Principal contractor:	Skanska
<b>Design parameters:</b>	
Number of Tanks:	13
Size of Each Tank:	54.5m x 4.5m x 4m
Volume of Each Tank:	981 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	2/4
Standard Oxygen Transfer Rate (SOTR):	999 kgO <sub>2</sub> /h
System Pressure:	550 mbar
Total Air Flow to Tanks:	18,970 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	684
Aquaconsult Diffusers per Tank:	72
Type and Length of Diffuser:	P4.0 EU, 4.0m long P3.5 EU, 3.5m long P1.5 EU, 1.5m long
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	3.80 kgO <sub>2</sub> /kWh



### Knostrop WwTW Phase 1: Yorkshire Water

Principal contractor:	Laing O'Rourke
<b>Design parameters:</b>	
Number of Tanks:	8
Size of Each Tank:	60m x 25m x 6.1m
Volume of Each Tank:	9,150 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	2,316
Aquaconsult Diffusers per Tank:	267
Type and Length of Diffuser:	P3.5 EU, 3.5m long
Membrane Type:	Polyurethane



### Denaby WwTW: Yorkshire Water

Principal contractor:	Watermark
<b>Design parameters:</b>	
Number of Tanks:	4
Size of Each Tank:	20.85m x 10m x 6m
Volume of Each Tank:	1251 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	184
Aquaconsult Diffusers per Tank:	46
Type and Length of Diffuser:	P4.0 EU, 4.0m long P3.5 EU, 3.5m long
Membrane Type:	Polyurethane



### Esholt WwTW: Yorkshire Water

Principal contractor:	Morgan Est
<b>Design parameters:</b>	
Number of Tanks:	12
Size of Each Tank:	41.4m x 26.7m x 6m
Volume of Each Tank:	6,636 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Total Number of Aquaconsult Diffusers:	3,000
Aquaconsult Diffusers per Tank:	250
Type and Length of Diffuser:	P4.0 EU, 4.0m Long
Membrane Type:	Polyurethane



### Chelmsford WwTW: Anglian Water

Principal contractor:	LES Engineering
<b>Design parameters:</b>	
Number of Tanks:	2
Size of Each Tank:	65.5m x 10m x 4.5m
Volume of Each Tank:	2,948 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	696 kgO <sub>2</sub> /h
System Pressure:	534 mbar
Total Air Flow to Tanks:	7,600 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	336
Aquaconsult Diffusers per Tank:	168
Type and Length of Diffuser:	P4.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Chelmsford WwTW: Anglian Water - New Tank

Principal contractor:	LES Engineering
<b>Design parameters:</b>	
Number of Tanks:	1
Size of Each Tank:	48.7m x 15m x 4.48m
Volume of Each Tank:	3,273 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	2
Standard Oxygen Transfer Rate (SOTR):	380 kgO <sub>2</sub> /h
System Pressure:	586 mbar
Total Air Flow to Tanks:	4,051 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	204
Aquaconsult Diffusers per Tank:	204
Type and Length of Diffuser:	P4.0 EU
Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Scotter WwTW: Severn Trent Water

Principal contractor:	Nomenca
<b>Design parameters:</b>	
Number of Tanks:	1 Concentric
Size of Each Tank:	17.5m x 10.2m x 4.48m
Volume of Each Tank:	178 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	30.4 kgO <sub>2</sub> /h
System Pressure:	556 mbar
Total Air Flow to Tanks:	369 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	26
Aquaconsult Diffusers per Tank:	26
Type and Length of Diffuser:	P1.5 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Bedford WwTW ASP 1: Anglian Water

Principal contractor:	Anglian Water
<b>Design parameters:</b>	
Number of Tanks:	2 Rectangular
Size of Each Tank:	52m x 13m x 4.35m
Volume of Each Tank:	2,945 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	3
Standard Oxygen Transfer Rate (SOTR):	572.3 kgO <sub>2</sub> /h
System Pressure:	558 mbar
Total Air Flow to Tanks:	6,740 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	300
Aquaconsult Diffusers per Tank:	150
Type and Length of Diffuser:	Q3.5 EU, IFAS
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Bedford WwTW ASP 2: Anglian Water

Principal contractor:	Anglian Water
<b>Design parameters:</b>	
Number of Tanks:	3 Rectangular
Size of Each Tank:	75m x 12.5m x 4.275m
Volume of Each Tank:	4,007.8 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	3
Standard Oxygen Transfer Rate (SOTR):	1,194.2 kgO <sub>2</sub> /h
System Pressure:	561 mbar
Total Air Flow to Tanks:	14,070 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	660
Aquaconsult Diffusers per Tank:	220
Type and Length of Diffuser:	Q3.5 EU, IFAS
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Hodstock WwTW: Severn Trent Water

Principal contractor:	Nomenca
<b>Design parameters:</b>	
Number of Tanks:	1 Rectangular
Size of Each Tank:	5m x 3m x 5.25m
Volume of Each Tank:	79 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	8.82 kgO <sub>2</sub> /h
System Pressure:	653 mbar
Total Air Flow to Tanks:	391 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	6
Aquaconsult Diffusers per Tank:	6
Type and Length of Diffuser:	Q2.0 EU, 2 IFAS
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Tullamore WwTW: Eire

Principal contractor:	EPS
<b>Design parameters:</b>	
Number of Tanks:	3 Rectangular
Size of Each Tank:	30m x 12m x 5.2m
Volume of Each Tank:	1,872 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	678 kgO <sub>2</sub> /h
System Pressure:	664 mbar
Total Air Flow to Tanks:	7,710 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	180
Aquaconsult Diffusers per Tank:	60
Type and Length of Diffuser:	Q3.5
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Great Bromley WwTW: Anglian Water

Principal contractor:	Anglian Water
<b>Design parameters:</b>	
Number of Tanks:	1 Circular
Size of Each Tank:	14.4m x 3m
Volume of Each Tank:	489 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	18 kgO <sub>2</sub> /h
System Pressure:	417 mbar
Total Air Flow to Tanks:	277 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	24
Aquaconsult Diffusers per Tank:	24
Type and Length of Diffuser:	Q4.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Kildare WwTW: Anglian Water

Principal contractor:	EPS
<b>Design parameters:</b>	
Number of Tanks:	2 Rectangular
Size of Each Tank:	19m x 24.7m x 5m
Volume of Each Tank:	2,346 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	264 kgO <sub>2</sub> /h
System Pressure:	624 mbar
Total Air Flow to Tanks:	2,620 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	144
Aquaconsult Diffusers per Tank:	72
Type and Length of Diffuser:	Q4.0 EU
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Lifton Creamery: Premier Foods

Principal contractor:	Coffey Group
<b>Design parameters:</b>	
Number of Tanks:	1 Circular
Size of Each Tank:	20.m x 5.5m
Volume of Each Tank:	1,728 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	439.2 kgO <sub>2</sub> /h
System Pressure:	628 mbar
Total Air Flow to Tanks:	4,900 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	126
Aquaconsult Diffusers per Tank:	126
Type and Length of Diffuser:	Q4.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Boscastle WwTW: South West Water

Principal contractor:	Nomenca
<b>Design parameters:</b>	
Number of Tanks:	1 Concentric
Size of Each Tank:	20m x 17.6m x 5.65m
Volume of Each Tank:	400 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	35.63 kgO <sub>2</sub> /h
System Pressure:	688 mbar
Total Air Flow to Tanks:	364 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	10
Aquaconsult Diffusers per Tank:	10
Type and Length of Diffuser:	P3.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Colchester WwTW Lanes 4-5: Anglian Water

Principal contractor:	MWH
<b>Design parameters:</b>	
Number of Tanks:	2 Rectangular
Size of Each Tank:	47m x 10.4m x 4.5m
Volume of Each Tank:	2,202 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	4
Standard Oxygen Transfer Rate (SOTR):	483 kgO <sub>2</sub> /h
System Pressure:	569 mbar
Total Air Flow to Tanks:	5,480 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	232
Aquaconsult Diffusers per Tank:	116
Type and Length of Diffuser:	Q4.0 EU, IFAS
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Market Weighton WwTW: Yorkshire Water

Principal contractor:	Morgan Sindall Grontmij
<b>Design parameters:</b>	
Number of Tanks:	2 Circular
Size of Each Tank:	20m x 5.7m
Volume of Each Tank:	1,549.5 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	2
Standard Oxygen Transfer Rate (SOTR):	127.67 kgO <sub>2</sub> /h
System Pressure:	684 mbar
Total Air Flow to Tanks:	1,399 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	144
Aquaconsult Diffusers per Tank:	144
Type and Length of Diffuser:	Q1.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Marsten Moretaine WwTW: Anglian Water

Principal contractor:	Skanska
<b>Design parameters:</b>	
Number of Tanks:	1 Race track
Size of Each Tank:	63.4m x 11.6m x 3.2m
Volume of Each Tank:	2,367 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	60 kgO <sub>2</sub> /h
System Pressure:	500 mbar
Total Air Flow to Tanks:	1,220 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	96
Aquaconsult Diffusers per Tank:	96
Type and Length of Diffuser:	Q2.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Camborne WwTW: South West Water

Principal contractor:	H50 Delivery Alliance
<b>Design parameters:</b>	
Number of Tanks:	2 Race track
Size of Each Tank:	49.5m x 10.4m x 5.3m
Volume of Each Tank:	109 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	196 kgO <sub>2</sub> /h
System Pressure:	649 mbar
Total Air Flow to Tanks:	2,090 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	96
Aquaconsult Diffusers per Tank:	48
Type and Length of Diffuser:	Q4.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Colchester-Supernatant: Anglian water

Principal contractor:	LES Jacobs
<b>Design parameters:</b>	
Number of Tanks:	1 Rectangular
Size of Each Tank:	46m x 12m x 2.7m
Volume of Each Tank:	1,490 m <sup>3</sup>
Number of Passes per Tank:	1
Number of Control Zones per Tank:	1
Standard Oxygen Transfer Rate (SOTR):	177 kgO <sub>2</sub> /h
System Pressure:	385 mbar
Total Air Flow to Tanks:	3,840 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	96
Aquaconsult Diffusers per Tank:	96
Type and Length of Diffuser:	Q4.0 EU, Liftout Grids
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A



### Dunstable WwTW: Anglian Water

Principal contractor:	Skanska
<b>Design parameters:</b>	
Number of Tanks:	4 Rectangular
Size of Each Tank:	134.5m x 3.55m x 4.5m
Volume of Each Tank:	2,149 m <sup>3</sup>
Number of Passes per Tank:	2
Number of Control Zones per Tank:	2
Standard Oxygen Transfer Rate (SOTR):	715.74 kgO <sub>2</sub> /h
System Pressure:	567 mbar
Total Air Flow to Tanks:	7,720 Nm <sup>3</sup> /h
Total Number of Aquaconsult Diffusers:	624
Aquaconsult Diffusers per Tank:	156
Type and Length of Diffuser:	Q2.5
Membrane Type:	Polyurethane
Standard Aeration Efficiency (SAE):	N/A

