































































Items	Anaerobic reactor	Submerged MBR	BG-MBR Page 82
Operating temp. (°C)	30-55	25-35	8-55
Energy requirement (KWh/m³)	0.1	0.9	1.6
Sludge failure	Possible	-	Possible
Shock load resistance	Possible	-	Yes
Start-up time (days)	100	10	30
MLSS (g/L)	2-60 (depends)	8-15	Up to 18 g/L (2-4 g/L: MBR)
SRT (day)	10-300	15-30	10-100*
SVI (mL/g)	10-280	120-250 mL/g	10-40 mL/g
Settling velocity (m/h)	< 10	< 10	20-100 (higher for granule)
Particle size (µm)	0.5-8.0 mm (granule) 0.3-200 (flocs)	1-250 (flocs)	0.5-9.0 mm (granules) 0.3-301.7 (flocs in MBR)
OLR (kg COD/m ³ .d)	Up to 40	< 8 :	2-30
SND	No	Possible	Good (1.76 mgTN/gVSS.h)
Fouling potential	-	High (0.168 kPa/d) ::	Less (0.027 kPa/d)













