

FM Environmental Ltd

FME Klaro - enhanced effluent treatment

FM Environmental offers the **FME Klaro** wastewater treatment plant for enhanced effluent treatment in domestic and small commercial applications. The Klaro is tested to the rigorous demands of the European EN12566-3 - set to become a prerequisite for package sewage treatment systems. EN testing certification has achieved extremely high effluent results as set out in the PIA Testing Report extracts shown below:-

- ⇒ The **FME-Klaro** uses SBR treatment principles. A single compressor unit provides both aeration through a plate diffuser on the bottom of the reactor chamber & all transfer activities by way of three air-lift pumps. All operating components are low maintenance, durable and of quiet operation.
- ⇒ **Low maintenance** -The compact switch cabinet for system control with air compressor and valve unit is installed in the utility area of the house and requires little maintenance. The LCD display shows the operating hours of the individual devices. Any power failure is indicated by a visual and audible alarm
- ⇒ **Flexible operation** -The SBR wastewater treatment system can be adjusted to changing conditions by altering the cycle times. The system can also be switched to holiday mode.



- ⇒ The Klaro is housed in the distinctive *Carat-S Tank*. Manufactured in heavy duty Duralen® it is a unique application of large scale injection moulding to produce accurately formed, extremely rigid and impact resistant chamber. The material provides high stability and life expectancy to ensure long term satisfaction.
- ⇒ The plant is user-friendly for installer and operator. Easy placement, connection and backfill makes installation an efficient and economic procedure. Accurate fabrication and a strong structure ensure owner confidence in the tank's long-term reliability.



Effluent Results (PIA -Aachen Germany)

COD = 44mg/l (89.8%)
BOD = 5mg/l (97.7%)
SS = 6mg/l
NH-4 = 1.1mg/l (96.4%)
To EN12566-3 testing classification
Based on 24 hrs composite samples >120C

High treatment standards

EN12566-3 approved ✓
CE marking
DiBT approved
15yr structure warranty*
3yr equipment warranty*

*Terms & conditions apply



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