Orenco SYSTEMS

Technical Data Sheet

AdvanTex® AX20 Textile Filter

Applications

Orenco's AdvanTex® AX20 Treatment System* is an innovative technology for onsite treatment of residential wastewater. The heart of the System is the AdvanTex Filter, a sturdy, watertight fiberglass basin filled with an engineered textile material. This lightweight, highly absorbent textile material treats a tremendous amount of wastewater in a small space. AX20 Treatment Systems are ideal for:

- Small sites
- System upgrades and repairs
- New construction
- Poor soils
- Nitrogen reduction
- Price-sensitive markets
- Pretreatment

For sizing, see "AdvanTex® Design Criteria," NDA-ATX-2.

The heart of the AdvanTex® AX20 Treatment System is this sturdy, watertight fiberglass basin filled with an engineered textile material.

Physical Specifications**

Filter basin length. in. (mm)	91 (2311)
Width, in. (mm)	40 (1016)
Height, in. (mm)	31 (787)
Area (footprint), ft^2 (m^2)	20 (1.85)
Filter dry weight, lb (kg)	383 (174)

* *Covered by U.S. patent numbers 5,980,748; 5,531,894; 5,480,561; 5,360,556; 5,492,635; and 4,439,323. Additional patents pending.*

** *Nominal values provided. See AdvanTex® Treatment System drawings for exact dimensions.*

Features/Specifications

To specify this product, require the following:

- Wastewater treatment to better than secondary treatment standards
- Consistent treatment, even during peak flows
- Timer operation for flow monitoring, flow modulation, and surge control
- Fixed film textile media (a polyester plastic), operated in an unsaturated condition
- Consistent media quality
- Low maintenance beyond annual servicing
- Low energy consumption (under $1.45-4.86/month power cost at national average electric rate of $0.10/kWh)
- Complete pre-manufactured package, ready-to-install
- Watertight construction, corrosion-proof materials, tamper-proof lid bolts
- Anti-flotation flanges
- Foam-core lid provides insulation value of R-6 (RSI-1.1)
- Quiet operation

Standard Models

AX20, AX20N

Product Code Diagram

AX 20 ☐ Series ☐ - ☐ - ☐ - ☐ - ☐

- AdvanTex® Treatment System
- 20 ft² (1.8 m²) nominal treatment area
- NSF approval option:
  Blank = standard AdvanTex® system
  N = NSF-certified AdvanTex® system
- Treatment mode:
  MODE1A = mode 1, gravity discharge
  MODE1B = mode 1, pump discharge
  MODE3A = mode 3, gravity discharge
  MODE3B = mode 3, pump discharge
- Splice box options:
  Blank = internal splice box
  SX = external splice box
- PVU height options:
  Blank = 57-in. (1448-mm) height
  68 = 68-in. (1727-mm) height
- Float switch options:
  Blank = mercury float switches
  MVF = non-mercury float switches
- Discharge pump voltage options:
  Blank = 120 V
  230V = 230 V

AdvanTex® Treatment System AXN Models meet the requirements of NSF-ANSI Standard 40 for Class I Systems.