

**Onsite Wastewater Treatment Systems (OWTS) Tanks, Materials and Technology**

**Approved for Use in Monterey County**

All components and materials to be utilized in an OWTS shall first be approved for us by the Monterey County Health Department, Environmental Health Bureau. A written request can be made to the EHB for approval of alternate tanks, dispersal media or supplemental treatment systems by submitting a [**Request for Service**](https://www.co.monterey.ca.us/home/showpublisheddocument/24404/636475641746000000) application and deposit payment for staff time to review the materials. Contact the EHB at (831) 755-4500 for additional information.

# SEPTIC TANKS AND PUMP TANKS

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| **MANUFACTURER** | | **CAPACITY (gallons)** |
| TOM’S (DON CHAPIN) CONCRETE | | |
| Septic Tank | | 1,000; 1,250; 1,500; 2,000 |
| Battery Tank | | 1,250; 1,500 |
| ROTOPLAS | | 750; 1,000; 1,500 |
| FIBER ENTERPRISES (RED BLUFF) | | 750; 1,000, 1,250; 1,500 |
| JENSEN PRECAST | | ALL SIZES |
| INFILTRATOR SYSTEMS, INC. | | |
| CM Series | | 1,060 |
| IM Series | | 540; 1,060; 1,530 |
| TM Series | | 1,050; 1,250; 1,500 |
| MID-STATE CONCRETE | | 1,000 |
| NORWESCO (NON-LEGACY LINE)\* | | 1,000; 1,250; 1,500 (SERIES) |
| ORENCO M-SERIES\* | | 1,000; 1,500 |
| PINNACLE PRECAST | | 1,500; 2,000 |
| ROTH RMT MODEL | 300, 500, 750, 1000, 1060, 1250, 1500 | |
| SNYDER INDUSTRIES | 300 (spherical); 500 (spherical); 750; 1,050; 1,250; 1,500 | |
| VALENTINE CONCRETE PRODUCTS | 1,000; 1,200, 1,500 | |

\* = Specific backfill instructions apply. Refer to product-specific installation instructions from the manufacturer.

Per Local Agency Management Program: Section 5.7 Tank Requirements

As required in the California Plumbing Code, all tanks are to be watertight and constructed of durable, corrosion resistant material such as reinforced concrete, fiberglass or plastic, and must conform to applicable IAPMO, National Sanitation Foundation (“NSF”) or American Society for Testing and Materials (“ASTM”) standards. All tanks shall be capable of being pumped out completely without the need to backfill with water to maintain structural integrity. All new and replacement septic tanks shall conform to the capacity standards in LAMP Table 5-3. Septic tanks must have a minimum of two compartments and each compartment shall be accessible through a manway or port that is a minimum 20 inches in diameter.

# DISPERSAL SYSTEM MATERIALS

**PERFORATED PIPE**

Perforated pipe three inches or more in diameter shall be used in the field disposal line. Drain pipe shall be one-thousand (1,000) pound minimum crush:

Acrylonitrile-Butadiene-Styrene (ABS) S&D PVC (Sewer and Drain)

**DRAIN ROCK**

¾” – 2 ½” washed drain rock

**EXPANDED POLYSTYRENE LEACHFIELD AGGREGATE**

EZ-FLOW by Infiltrator Systems: 12” AND 18” aggregate bundles covered by geo-textile. Systems must be sized according to current code for conventional drain fields.

**GRAVEL-LESS CHAMBER SYSTEMS**

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| **MODEL #** | **MAXIMUM INFILTRATIVE AREA CREDIT**  **(square feet per lineal foot of chamber)** |
| INFILTRATOR: ARC 18 | 3.4 ft2/lf |
| INFILTRATOR: ARC 24 | 4.1 ft2/lf |
| INFILTRATOR: ARC 36 | 6.0 ft2/lf |
| INFILTRATOR: ARC 36 LOW PROFILE | 5.0 ft2/lf |
| INFILTRATOR: ARC 36 HIGH CAPACITY | 6.1 ft2/lf |
| INFILTRATOR: QUICK4 EQUALIZER 24 LOW PROFILE | 3.0 ft2/lf |
| INFILTRATOR: QUICK4 EQUALIZER 24 | 3.7 ft2/lf |
| INFILTRATOR: QUICK4 EQUALIZER 36 | 4.6 ft2/lf |
| INFILTRATOR: QUICK4 PLUS STANDARD LOW PROFILE | 5.1 ft2/lf |
| INFILTRATOR: QUICK4 STANDARD | 5.4 ft2/lf |
| INFILTRATOR; QUICK4 HIGH CAPACITY | 6.3 ft2/lf |

The maximum infiltrative capacity listed includes a 30% credit of infiltrative area in consideration of being an IAPMO approved dispersal system (instead of decreased leaching area using a multiplier of 0.7).

**SUPPLEMENTAL TREATMENT UNITS**

OWTS that incorporate or make use use of a supplemental treatment unit are considered Alternative OWTS and subject to additional requirements (as compared to conventional OWTS comprised of a septic tank and leach field). Alternative OWTS area active systems that require ongoing monitoring and inspection by qualified service providers. Accordingly, EHB requirements specify preparation of a homeowner’s manual, an ongoing operating permit (held by the property owner of record), and recordation of a deed restriction to notify current and future owners of operation and maintenance requirements as conditions of Alternative OWTS installation.

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| **MANUFACTURER** | **MODEL NO. or SERIES** | **NSF Standard 40** | **NSF Standard 245 (Nitrogen Reduction)** |
| Anua | Puraflow | ✔ |  |
| Anua | Purasys SBR:  PS1-4 through PS1-14 | ✔ | ✔ |
| Aquaklear | All ak series models | ✔ | ✔  (Models ending in S245) |
| Infiltrator | ecopod e50-n, E60-N, E75-N, E100-N, and E150-N | ✔ | ✔ |
| Hoot | h-series | ✔ |  |
| Micro SepTec | Enviroserver:  ES6, ES12, ES25 | ✔ | ✔ |
| Multiflo | Multiflo | ✔ |  |
| Nayadic | Nayadic | ✔ |  |
| Norweco | Singulair | ✔ | ✔ |
| Orenco | Advantex AX treatment systems | ✔ | ✔  (Depending on Configuration/ Mode) |
| infiltrator | Advanced Enviro-Septic (AES) | ✔ |  |
| infiltrator | Envirofin Treatment System (EF) | ✔ |  |