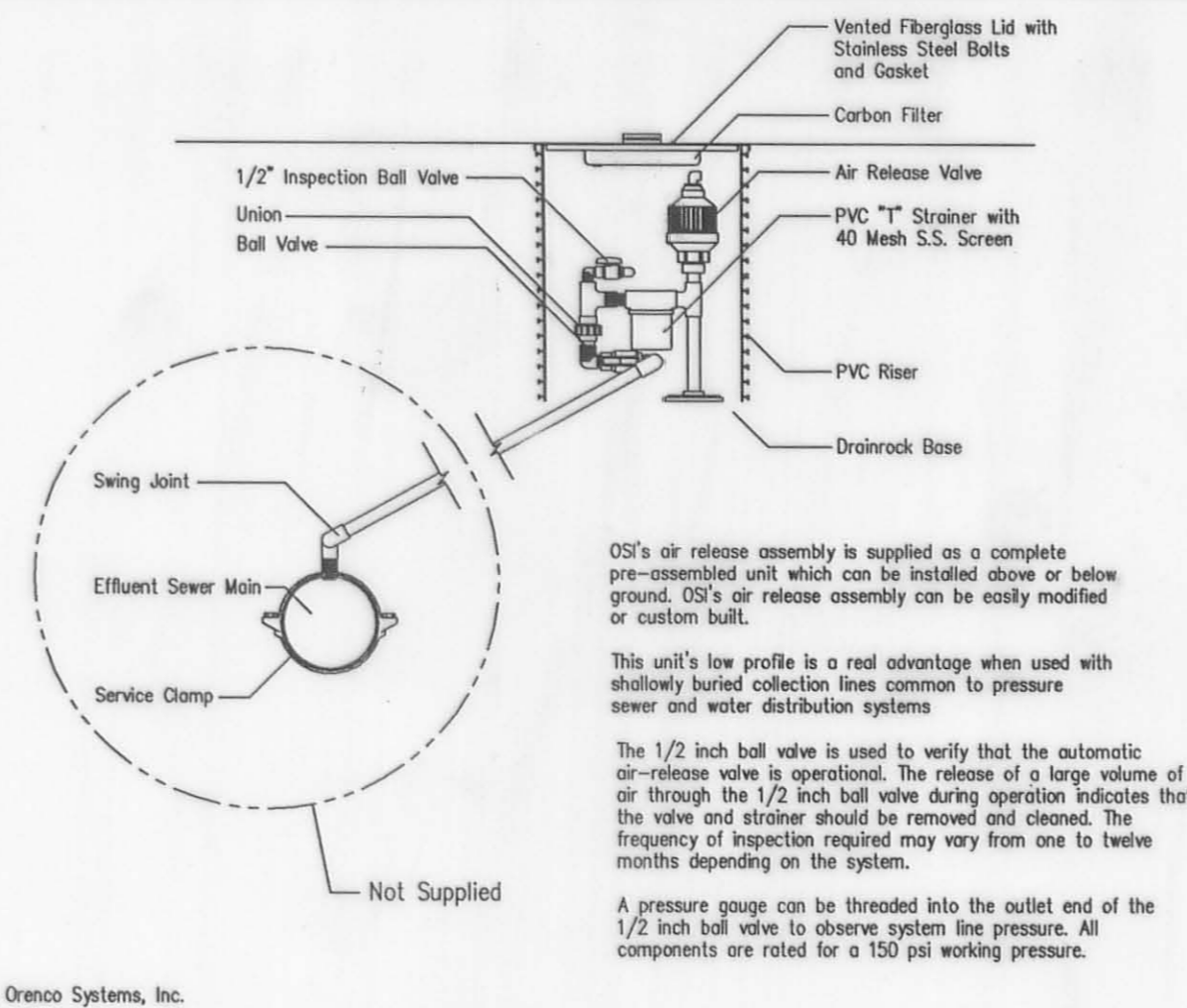


Air Release Assembly



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97479-9012

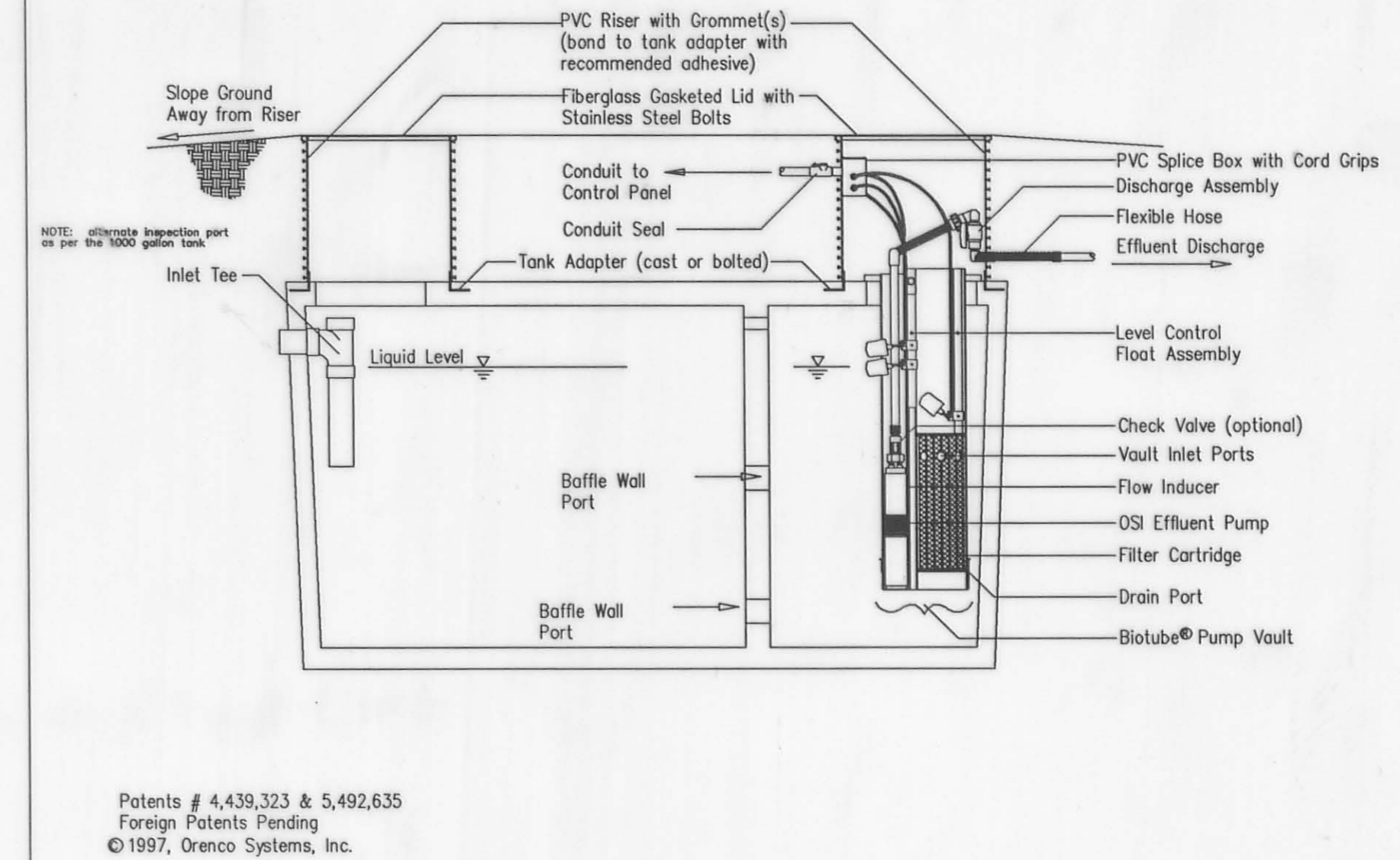
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Effluent Pumping System -- Dual Compartment Drawdown

1500 gallon tanks and larger



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In order to demonstrate watertightness, tanks shall be tested twice prior to acceptance. Inlets to the septic tank will be watertight in accordance with the standards. Each tank shall be tested at the factory, prior to shipping, by filling with water to the soffit and letting stand. After 24 hours, the tank shall be refilled to the soffit and the exfiltration rate shall be determined by measuring the water loss during the next two (2) hours. Any leakage shall be cause for rejection.

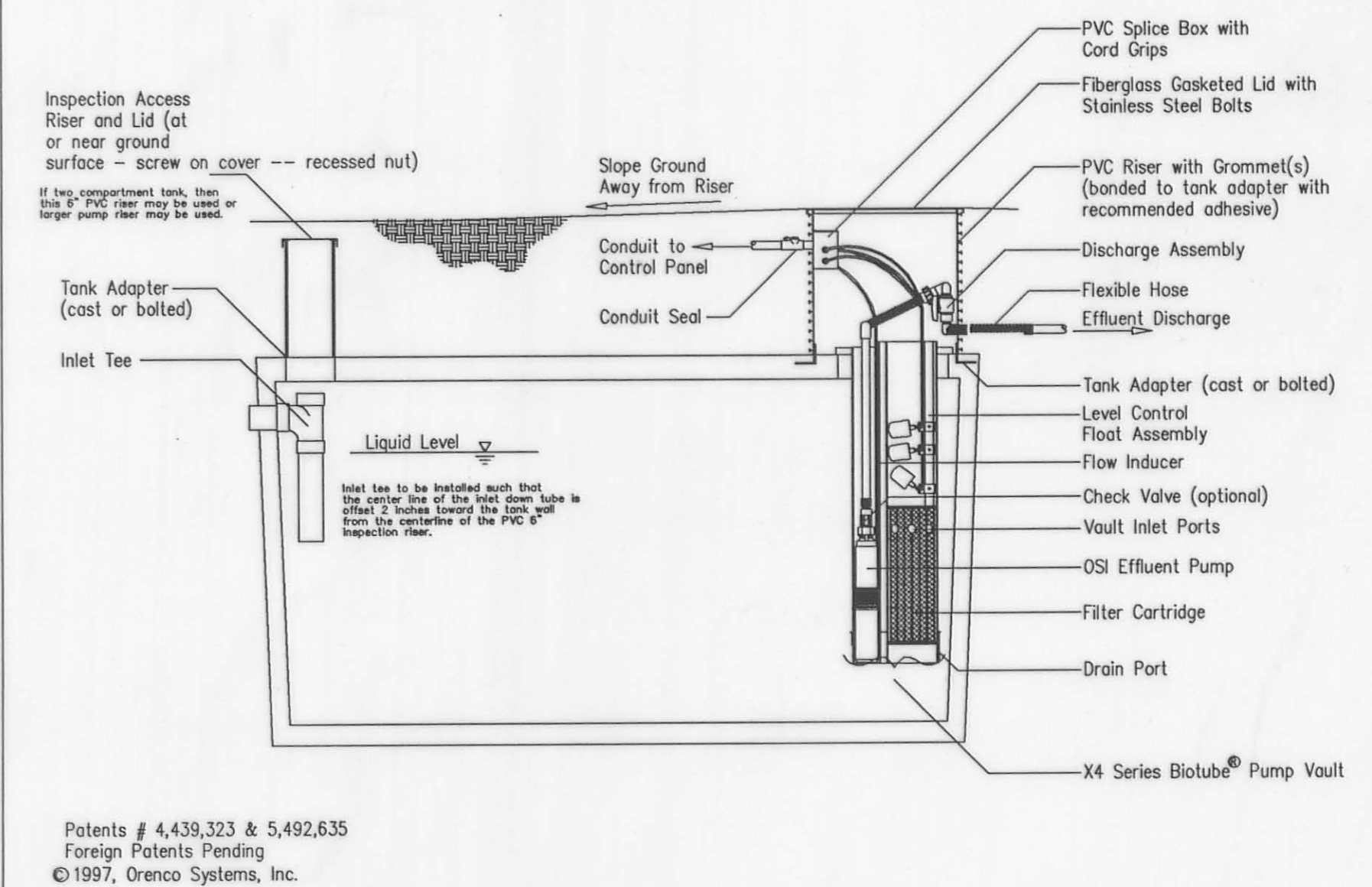
After installation is completed, each tank shall be filled with water to a point two inches into the access riser and retested as previously described (the field test period may be reduced to not less than two (2) hours). Backfill to a depth equal to the water height in the riser must be in place over the tank to prevent damage due to hydrostatic uplift. No tank will be accepted if there is any leakage over the two (2) hour period.

Septic Tank Sizing shall be based on the following requirements:

Number of Bedrooms	Minimum Size Tank
3 or less	1000 gallon single or double compartment
4	1500 gallon two compartment
5	2000 gallon two compartment

Other bedroom configurations or industrial uses will be based on a tank pumping frequency of 10 years as determined in the Suggested Specifications as furnished by Orenco Systems, Inc. Commercial installations are strongly urged to consider multiple tanks in lieu of multiple compartments.

Effluent Pumping System -- Single Compartment Tank



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Refer to Part IV and Part V of the Rules, Regulations, Rates & Policies for the Governing of the Water Quality Control Department of the City of Maryville, Tennessee for further details. Part IV deals with the installation and operation of the property owners pump and lines. Part V deals with the installation and operation of the City of Maryville force main - collection lines.

All references to a specific product or trademark are for example only- all materials are to be "as shown or an equal approved by the City of Maryville Water Quality Control Department and the State of Tennessee for use in Septic Tank Effluent Pump systems".



WATER QUALITY CONTROL
CITY OF MARYVILLE
MARYVILLE, TENNESSEE

DRAWN BY: GEF/JG TITLE: _____ SCALE: NONE
APP'D BY: JG STANDARD S.T.E.P. SHEET 1 of 1
DATE: 1-04-2000 SEWER DETAILS

REV: 1/14/2000 Service Connection parts and alternatives
1/14/2000 Service Connection parts and alternatives

DESCRIPTION: Detail drawings for STEP systems and construction