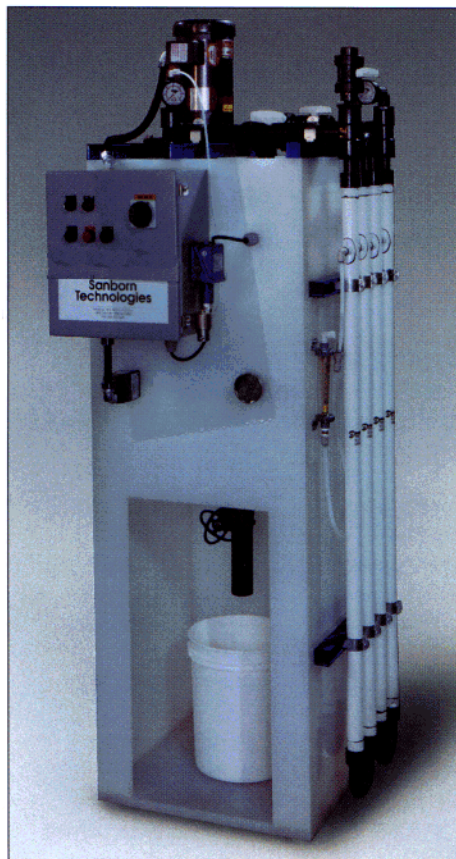




# ULTRAFILTRATION SYSTEM MODEL UFV-200T



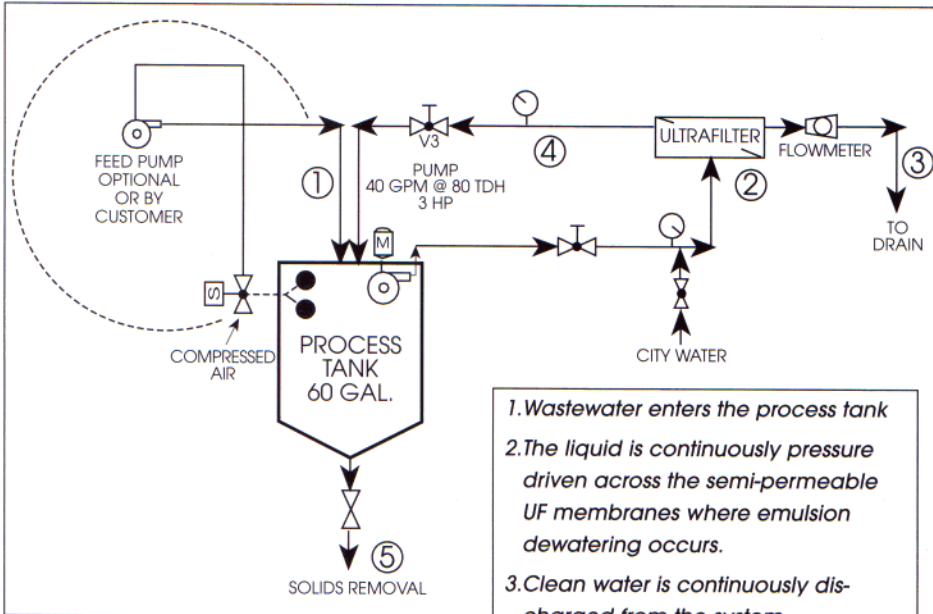
*The Model UFV-200T Ultrafiltration System is designed for recycling fluids in high-solids applications such as tumbling and vibratory finishing. The standard system processes up to 200 gallons per day (GPD) of waste fluid. This economical system allows for simple continuous operation with a minimum of energy and operator involvement.*

## Tumbling Wastewater Recycling System

The Model UFV-200T system employs ultrafiltration membrane technology to separate the water and dissolved chemicals from suspended solids and emulsified oils. The process reduces wastes by as much as 98% without the use of chemical additives. The UFV-200T is specifically designed with a seal-less vertical centrifugal pump and 1/2 inch diameter tubular membranes to allow the unit to handle the heavy solids-loading associated with the applications. The separations process is mechanical and operates without messy and expensive prefiltration and, in most cases, can produce sewerable effluent — thus dramatically reducing waste disposal costs.

The Model UFV-200T is shipped completely assembled. It requires only an electrical connection to begin operation. The small footprint (only 28" long and 34" wide) makes this an ideal unit for installation where manufacturing floor space is limited. Systems options include larger processing capacities and fluid transfer stations.

## UFV-200T OPERATION



1. Wastewater enters the process tank
2. The liquid is continuously pressure driven across the semi-permeable UF membranes where emulsion dewatering occurs.
3. Clean water is continuously discharged from the system.
4. Waste material rejected by the membranes is recycled back to the process tank.
5. Solids are periodically removed for disposal.



Cutaway of tubing shows wide-channel tubular membranes.

### FEATURES

- A high-tech polymeric membrane is insensitive to chemical and concentration changes in the waste feed stream.
- Half-inch tubular membranes allows processing of high-solids waste.
- Self-contained unit installs easily in the plant.

### BENEFITS

#### DIRECT COST SAVINGS

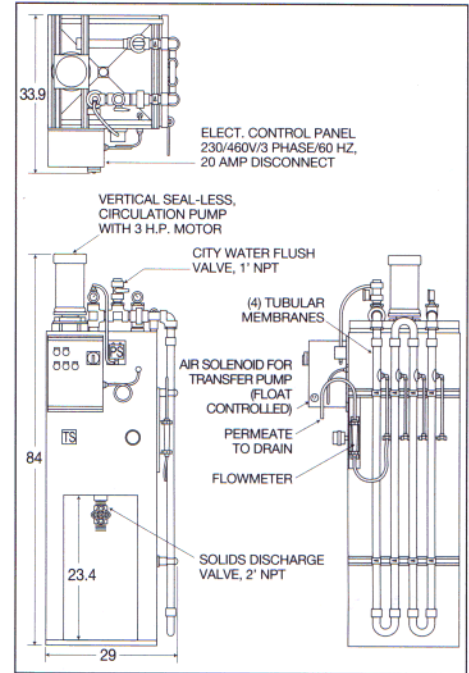
- Reduced waste volume saves on disposal costs.
- Simple operation saves on labor costs.
- Extremely low operating costs.

#### ENVIRONMENTAL BENEFITS

- Positive membrane barrier ensures consistent effluent quality.
- Lower waste volumes reduce environmental liability.
- Low-pressure, non-chemical system is safe to operate.

#### VALUABLE TIME SAVINGS

- Unattended operation and limited maintenance saves man-hours.
- Less storing, monitoring, and hauling away of wastewater.



### GENERAL SPECIFICATIONS

The UFV-200T system is self-contained, pre-piped and pre-wired. The motor is TEFC. Pressure gauges are liquid-filled.

DIMENSIONS:	29 in. (L) x 34 in. (W) x 84 in. (H)
WEIGHT:	300 LBS.
PROCESSING RATE:	200 GPD (24 hour basis)
TANK:	Polypropylene construction, 60 gallon rectangular
MOTOR:	3 HP TEFC
CONTROL PANEL:	NEMA 12 ENCLOSURE
pH RANGE	2 - 12
TEMPERATURE:	130 degrees F (max.)
ELECTRICAL:	230/460V/3/60
AMP DRAW:	10 amp @ 230V
OPTIONS:	<ul style="list-style-type: none"> <li>• Lift station with transfer pump and controls,</li> <li>• Expanded processing capacity</li> </ul>

**Sanborn Technologies is committed to innovative products of the highest quality at prices lower than those of "older" technologies. Sanborn Technologies' Service Engineering Department and Laboratory facilities are available to solve specific fluid problems, assist in performance assessment, test and train operators, and provide maintenance recommendations.**

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