



2021 PRICING FOR SWEETSPOTTERS & CROSS FLOWS

Unit SS4-1-10 : 1 Membrane System (VP) - approx 10 gal/hr of Permeate

Unit SS4-4-40 : 4 Membrane System (BP) - approx 40 gal/hr of Permeate

Unit SS4-4-20 : 4 Membrane System - approx 20 gal/hr of Permeate – VA / EA Unit

CF8-2-200M: 2 Membrane manual Cross Flow Unit – approx 150 - 220 gal/hour

CF8-4-400SA: 4 membrane Semi-auto Cross flow Unit - approx 300 - 600 gph

CF8-6-600SA: 6 membranes Semi-auto Cross flow Unit - approx 500 - 850 gph

Credit Cards are Required for all Rentals

Daily Rental Rates (Prices are machine only, excludes cartridges & columns)

	1 Day	2 Day	3 Day	4 Day	1 Week	Weekend
SS4-1-10	\$295	\$525	\$720	\$1000	\$1125	\$337
SS4-4-40	\$480	\$790	\$930	\$1395	\$1500	\$650
SS4-4-20	\$375	\$675	\$865	\$1162	\$1313	\$550
VAF8-2-100	\$600	\$890	\$1100	\$1560	\$2000	\$850
CF8-2-200M	\$500	\$830	\$970	\$1435	\$1540	\$750
CF8-4-400SA	\$750.00	\$1350	\$1550	\$1800	\$2100	\$1100
CF8-6-600SA	\$1500	\$1800	\$2100	\$2400	\$2700	\$1800

We recommend the SS4-4-20 machine for VA or Ethyl acetate reduction on lots greater than 120 gallons and VA or EA level greater than 1 g/l and 150 mg/l respectively.

2021 Pricing for Rental of Columns:

VA column	8"	\$220.00 / week*	VA Removal
	14"	\$350.00 / week*	
Re-generation: KOH solution	(4"	\$150.00 / week*	OR, for single membrane only)
pHC Column	8"	\$220.00 / week*	pH Control
	14"	\$350.00 / week*	
Re-generation: Muriatic Acid solution	(4"	\$150.00 / week*	OR, for single membrane only)
HPH Column	8"	\$220.00 / week*	EA Removal
	14"	\$350.00 / week*	
Re-generation: KOH solution			
PAC Column	8"	\$300.00 / week*	4EP/4EG Removal, Smoke taint
re-fill media (after 2000 gal).		\$150.00	
	14"	\$700.00 / week*	
re-fill media (after 5000 gal)		\$450.00	
Re-generation: Not possible, Media needs to be replaced			
ARC Column	8"	\$450.00 / week*	
	14"	\$1,200.00 / week*	
Re-generation: Light KOH solution			

(Week* = 7 days or part thereof)

Packages

SS4-1-10 single membrane	Configured to run smoke taint, includes 2 x PAC cartridges and 1 x 8" ARC column (does approx 60 - 120 gal)
	Daily: \$450.00
	Weekend: \$600.00
SS4-4-40 four membrane	Configured to run smoke taint, includes 1 x 8" PAC column and 2 x 8" ARC column (can do 2000 gal before media replacement)
	Daily: \$900.00
	Weekend: \$1,200.00

“Add an Operator”

Operators may be available to add to your rental (check availability when placing order). Operators are available at **\$280/8 hour day**. Additional hours are at \$45/hour (operator will get written permission). Fees for specified optional services below:

- Start up only \$100 for 2 , 4 and 6 (only after training done) and sweetspotters
- Start up and training for rental usage. \$250 (required for 6 membrane first time)

Chemical Costs (if we supply)

Potassium Hydroxide (50 lb)	: \$ 98.00 per bag (by kg - \$10/kg)
Citric Acid (50 lb)	: \$ 85.00 per bag (1kg bag - \$10)
TSP (50 lb)	: \$ 90.00 per bag (4kg bag - \$20)
Hydrogen Peroxide 35%Tech (5gal)	: \$ 65.00 per carboy (1 L bottle - \$10)

(Extra Cost may also apply to transport due to Hazardous Chemical requirements)

VA/TAINT REDUCTION RATES ON SWEETSPOTTERS

SS4-1-10 : Reduces VA, 4EP/Taint by 10% on 60 gallons in 1 hour on a recirculation basis. SS4-4-40 : Reduces VA, 4EP/Taint by 10% on 240 gallons in 1 hour on a recirculation basis. SS4-4-20 : Reduces VA, 4EP/Taint by 10% on 150 gallons in 1 hour on a recirculation basis.

Please note that it is only possible to achieve these reductions if the correct operating procedure is followed on the machinery. The RS, turbidity and temperature of wine will also affect the reduction.

Collection and drop off terms

Pick-up	: After 3.30pm (or current day will be charged)
Drop off	: No later than 11 AM
Drop off after 11 AM	: Additional \$150.00 applied
Drop off dirty	: Additional \$150.00 applied
Damage to Equipment	: Cost of repair and pot. Down time of machine

Please confirm what process will be required prior to pick up of your system. This is important as it might require a membrane change on the Sweetspotter.

Delivery to, or collection from you for equipment is \$75 within 25 miles of Sherwood or Walla Walla.

Delivery/Return will be charged at \$2.00/mile (1 round trip) for greater than 25miles (min. \$75).

Customer Service

All pricing excludes shipping (see above). Systems are available for collection 8.30 am to 4.30 pm Monday to Friday at 14937 SW Tualatin-Sherwood Rd., Unit 304, Sherwood, OR 97140 or in agreement with our Walla Walla office. Please ensure you have booked a time with us on (503) 419-7942 or (503) 610-1288. Rentals must have signed documentation **prior** to the rental period to be confirmed.

Rental Terms on equipment

- Rental begins when the equipment is collected and ends when it is returned (The first 36 hours of the rental period is considered 1 day)
- Delivery can be arranged for a fee (please check with us)
- Phenolic adsorption columns (PAC) require replacement media when the column has been used for more than x gallons of permeate. The media change is quoted below the rental rate on the list. The rental rate for the column is charged separately to the media charge.
- Regen pumps and venturis are available for regeneration of the ARC/VA/HpH and pHC columns at no charge.
- If training or technical support is required, this is available at the time of collection at our facility or via telephone 7AM to 4PM daily (excluding weekends)
- Delivery or crating is not included in the pricing.
- Media price includes labor to remove and reload the column
- Commissioning and on-site training charged separately and are not included
- System cannot be used for alcohol reduction unless necessary permits are in place. Please adhere to all TTB, ABC and State rules and regulations pertaining to membrane processing equipment while in possession of the equipment.
- Taint removal and VA reduction using nanofiltration and the relevant resin columns are protected under 1 or more of the following US patents: 7 651 616 and 7 828 977.

PACIFIC BEVERAGE SOLUTIONS OR: (503) 610-1288
WA: (509) 520-1967
pacbevsolutions@gmail.com
www.pacbevsolutions.com

