



Water Conservation for On-Premise Laundries *Exclusive Green Technology*



Milnor’s 60 lb. capacity washer-extractors (models 30022 T6X, 30022 VRJ and 30022 V8Z) feature RinSave® water conservation technology standard

Current economic conditions has increased healthcare facilities to focus on operating costs, particularly back-of-the-house operations—including the on-premise laundry, according to healthcare operators.

Efficient on-premise laundries require careful management of energy, water, sewer and labor costs. The table below illustrates typical direct operating costs with **two Milnor RinSave® water saving 60 lb. washers.**

ESTIMATED DIRECT OPERATING COSTS – Washer-Extractors Only				
	Day	Week	Annual	
Labor	\$ 21.96	\$ 153.72	\$ 7,993.44	
Water & Sewer	\$ 21.76	\$ 152.32	\$ 7920.64	
Natural Gas (HW)	\$ 10.80	\$ 75.60	\$ 3,931.20	
Electricity	\$ 3.18	\$ 22.26	\$ 1,157.52	
Wash Chemistry	\$ 9.60	\$ 67.20	\$ 3,494.40	
Total	\$ 67.30	\$ 471.10	\$ 24,497.20	Cost/Lb. \$.0524

Table 1.0: The above operating costs will vary greatly throughout the USA depending upon the municipality. Labor costs are based upon \$9.50/hr. (56 hrs./wk) with 30% fringe benefits, labor dedicated to washers only. Utility costs for washers only. Processing 467,200 lbs./yr.

Recent advancements in washer technology have made it possible to reduce both process time and water/sewer costs associated with on-premise laundry operations. The breakthrough specifically involves the best use of industrial washer cylinder design with high MAF (mechanical action factor), and generous perforations in the cylinder drum coupled with software to develop a previously undiscovered “sweet spot” processing speed.

This innovative process called RinSave eliminates up to two high level rinses (.33 gallons per pound processed) and up to 10 minutes in the wash formula. It saves labor, water, sewer and electricity. As table 1.0 illustrates above, labor and water/sewer costs are the largest direct operating expenses in the laundry. RinSave conserves water, further substantiates your facility’s green program and is infinitely sustainable, without further investment.

Two Milnor 30022 60 Lb. RinSave Washers	Lbs./Hour @ 1.5 loads/Hr	Lbs./Day @ 8 Hrs/Day	Lbs./Year (365 days)	Annual Water Savings (reduces .33 gal./lb.)	Annual Savings with RINSAVE
Estimated Lbs. Processed	180 Lbs	1,440 Lbs.	525,600	173,448 gallons	\$ 1,310.00
Savings to Heat Water	→ → →	→ → →	→ → →	@ 85° Rise	\$ 650.00
				Annual Savings	\$ 1,960.00

Estimated Savings with two Milnor 80 lb. RinSave® washers operating 8 hours per day is detailed below.

Two Milnor 36021 80 Lb. RinSave Washers	Lbs./Hour @ 1.5 loads/Hr	Lbs./Day @ 8 Hrs/Day	Lbs./Year (365 days)	Annual Water Savings (reduces .33 gal./lb.)	Annual Savings with RINSAVE
Estimated Lbs. Processed	240 Lbs	1,920 Lbs.	700,800	231,264 gallons	\$ 1,748.00
Savings to Heat Water	→ → →	→ → →	→ → →	@ 85° Rise	\$ 866.00
				Annual Savings	\$ 2,614.00

The above figures do not include any labor savings although wash formulation will be reduced up to 6 minutes. IF dryer capacity is available it is reasonable to assume that over one hour of production per day can be saved. **Estimated savings over the average life of the washers (20 years) is \$52,280 based on national average cost for water, sewer and natural gas.**

Hotel owners/operators, healthcare facilities and laundry chemical suppliers have fully embraced RinSave. Milnor the firm that developed this technology states, “We believe that the market launch of RinSave is perfectly matched for today’s economic environment. And RinSave is offered at no additional cost to the facility as it is a standard feature on all Milnor T-Series, V-Series, X-Series, MWF-Series, and 48040 washer-extractors ranging in capacity from 40 to 275 lb. This may be the biggest innovation in washer technology in the past 20 years! It fits perfectly into a healthcare facilities on-going green program to reduce the carbon footprint of the building. Energy management programs, Green Lodging News and energy conservation organization welcome this advancement in industrial laundry washers.”

**Milnor’s T-Series,
V-Series, X-Series,
MWF-Series, and
48040 washer-
extractors all have
RinSave® Water
Saver standard**



National average costs used for water, sewer and natural gas calculations are noted below.

Water Cost	\$ 3.00 per 1,000 gallons
Sewer Cost	\$ 5.50 per 1,000 gallons
Therm Cost	\$.85 (100,000 Btu’s)