

Incentives for compressed air

Equipment Category	Replace	With	Limitations	Customer Incentive
Low-Pressure Drop Filters	Standard coalescing filter	Rated low-pressure drop filter where: 1. Pressure loss at rated flow is ≤ 1 psi when new and ≤ 3 psi at element change 2. Particulate filtration is 100% at ≥ 3.0 microns and 99.98% at 0.1 to 3.0 microns, with ≤ 5 ppm liquid carryover 3. Filter is deep-bed "mist eliminator" style, with element life ≥ 5 years 4. Rated capacity of filter is ≤ 500 scfm	1. Compressor system must be ≥ 25 hp and ≤ 75 hp	\$0.80/scfm
Receiver Capacity Addition	Limited or no receiver capacity (≤ 2 gallons per scfm of trim compressor capacity)	Total tank receiver capacity after addition must be > 2 gallons per scfm of trim compressor capacity	1. Compressor system size ≤ 75 hp 2. Trim compressor must use load/unload controls without inlet modulation or on/off control 3. Systems with a VFD or using variable displacement control are not eligible	\$1.50/gallon above 2 gallons/scfm
Refrigerated Cycling Dryers	Non-cycling refrigerated dryer	Cycling refrigerated dryer	1. Compressor system size ≤ 75 hp 2. Rated dryer capacity must be ≤ 500 scfm 3. Dryer must operate exclusively in cycling mode and cannot be equipped with the ability to select between cycling and non-cycling mode 4. Refrigeration compressor must cycle off during periods of reduced demand	\$1.50/scfm
VFD Controlled Compressor	Compressor 75 hp or smaller	≤ 75 hp single operating VFD-controlled oil-injected screw compressor	1. Single operating compressor ≤ 75 hp 2. Compressor must adjust speed as primary means of capacity control 3. Compressor must not use inlet modulation when demand is below minimum speed threshold of the VFD compressor	\$0.15/kwh annual energy savings (see note 3)
Zero Loss Condensate Drains	Fixed timer drain	Zero loss condensate drain (See note 4)	Drain is designed to function without release of compressed air into the atmosphere (no maximum compressor system size)	\$90 each
Outside Air Intake	Compressor intake drawing air from compressor room	≤ 75 hp compressor where permanent ductwork between compressor air intake and outdoors	1. Compressor system size ≤ 75 hp 2. Ductwork must meet manufacturer's specifications, which may include: (a) ≤ 0.25 " W.C. pressure loss at rated flow, and (b) allow use of compressor room air during extremely cold conditions	\$6/hp

(continued)



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Notes for compressed air incentives:

1. Eligibility for the above energy efficiency incentives, except zero loss condensate drains, is limited to customers with compressed air system(s) containing compressors with a total system horsepower less than or equal to 75 hp in size.
2. Equipment that meets or exceeds the efficiency requirements listed for the equipment category in the above table may qualify for the listed incentive.
3. Incentives for VFD-controlled compressors are calculated based on compressor size and other system parameters at \$0.15/kwh annual energy savings. Energy savings subject to approval by Pacific Power.
4. Zero loss condensate drains purchased as requirements for other compressed air energy efficiency measures are eligible for incentives.

HP = Horsepower

PPM = Parts per Million

PSI = Pounds per Square Inch

SCFM = Cubic Feet of air per Minute at standard conditions (14.5 psia, 68°F and 0% relative humidity)

VFD = Variable Frequency Drive



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