

**Maintenance Schedule and Duty Cycle for *Standard* Smith Pumps Designed
for Flammable or Hazardous Liquids and Liquefied Gases**

A pump performance test as outlined in Bulletin AL-201 should be conducted annually or at the indicated gallons/liters pumped below. If required, the following components should be inspected and/or replaced. This includes flexible drive coupling insert, gears, seals, bushings, gear pockets, idler gear shafts, bearings, bearing grease, casing faces, deposits on interior casings or components, piping connections, coupling condition, sealant between casings. Indicated gallons pumped is for the first inspection only, since every installation is different. If there is only slight wear the first time, then the interval can be doubled. After the second inspection, if wear is still slight, then the interval can be tripled.

	Max. time "ON"	Gallons Pumped
Small capacity pumps (10-15 GPM)	20 minutes	50,000(189,000 liters)
Medium capacity pumps (20-50 GPM)	120 minutes	250,000(950,000 liters)
Large capacity pumps (50-200 GPM)	120 minutes	500,000(1.9 million liters)

Standard Smith pumps are designed for intermittent duty service. Above maximum operating time should not be exceeded. This allows the pump to operate in a normal condition and minimizes damage associated with continuous duty service conditions. Continuous duty applications must utilize available options recommended by the factory. The above inspection schedule assumes the pump is operated in accordance with the instructions provided with the pump or pump/motor assembly and the pump is being operated at the maximum recommended RPM. Allowable maximum "on" time will be greater for pumps operated at slower drive speeds. For the purpose of the above, 3450 RPM is considered the same as 3000 RPM and 1800 RPM is the same as 1500 RPM.

Typical flammable or hazardous liquids or liquefied gases include LP-GAS, Anhydrous Ammonia, Nitrous Oxide, Fuel Oils, Alcohols, etc. There are more. Contact us at 805-498-6616 if you are unsure about the duty cycle or maintenance interval for your pump.



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