

ADDITIVE INJECTION



Model TPI-3T-3A PORTABLE MULTI-ADDITIVE INJECTOR

FLUID TECHNOLOGY

Although suitable for other applications, the TPI-3T-3A is designed specifically to produce military specification JP-8 jet fuel by injecting FSII, CI and SDA additives. Each additive is delivered continuously and is blended evenly at ratios from 1-1,500 PPM by volume. Like all Hammonds fluid powered injectors, the TPI-3T-3A requires no outside power, product meters, or control of any kind. Developed specifically for the United States Air Force, hundreds of TPI-3T-3A tactical injectors have performed in four wars and delivered countless millions of gallons of JP-8 fuel in virtually every climate and operating environment throughout the world.

SPECIFICATIONS

- Number of additives: 3 standard, 4 optional
- Injection Ratios:
Three additives: (1) 0-1,500 PPM (2) 0-50 PPM
Four additives: (1) 0-1,500 PPM (1) 0-50 PPM (2) 0-65 PPM
- Minimum injection ratio: 10 PPM standard
- Normal operating range: 100–600 GPM (378.4 - 2,270.6 liters per minute)
20-250 GPM (75-950 l PM)
- Minimum product flow rates: 20 GPM (75l) (minimums vary with line pressure)
- Product temperature: -40° F to + 250° F (-4.4° C - 121.1° C)
- Maximum product line pressure: 125 PSI (8.8 kg/cm)
(PSI max varies with injection ratios, higher pressure pumps are available as options)
- Maximum hydrostatic pressure: 350 PSI (24.6 kg/cm)
- Product viscosities: to 10,000 SSU
- Products Handled: Oils, fuels, chemicals, air slurries
- Duty cycle: continuous
- Fluid connections - product: 3" (7.6 cm) or 4" (10.2 cm) cam lock, additives:
1/4" (.6 cm) NPT or 3/4" (1.9 cm) NPT
- Approximately 203 lbs. (dry weight)

CONSTRUCTION MATERIALS

- Fluid Motor: All hard anodized aluminum with stainless steel shaft
- Injectors: All wetted parts 300 series stainless steel with Teflon trim
- Mechanical Seal: Carbon on ceramic

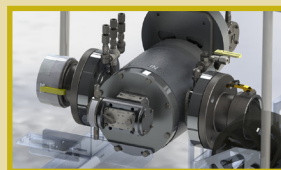
NOTE: Additional information on back

INNOVATION—pure and simple

To contact a Hammonds additive injection specialist,
please call (800) 582-4224.



Selective injection for
each additive



Modular design allows for
a 4th additive pump if
required



Suction Calibration Gauges
with integrated suction
strainers for each additive



Storage for up to three
5 gallon pails, providing
flooded suction to each
additive pump



The Model 600—COTS
for parts and service
availability worldwide



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