

PETRO INDUSTRIAL



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 Franklin Fueling Systems

ADBLUE®

SUMBERSIBLE PUMP

Item code: PUMP-403383953-CATA

All models are intended for use with Adblue®. Adblue® is a non-flammable, non-combustible liquid that has a specific gravity of 1.09 at 68°F, and is made per ISO 22241-1 specifications with 32.5% urea and distilled or deionized water. As defined by ISO 22241-1, Adblue® is the same as AUS 32 (aqueous urea solution).

FE Petro™ brand Adblue® pump motor assemblies feature a stainless steel close-coupled design powered by a field-proven Franklin Electric motor. Single Phase 1.5HP up to 250lpm flow rate.

NOTE: We recommend the use of a STP-CBBS Single Phase Controller

FEATURES:

- Stainless steel, encapsulated motor ensures longevity and impermeability to Adblue®.
- Heavy-duty shaft provides superior alignment and resistance to stress.
- Double mechanical shaft seals and protect the oil-filled bearing chamber from Adblue®, assuring minimal wear and proper bearing lubrication.
- Stainless steel hydraulics provide superior performance and efficiency.
- Plug-in type EPDM jacket power cable provides ease of service and Adblue® compatibility.
- Multiple models available to meet global requirements of voltage and frequency.

SPECIFICATIONS:

- Materials: Stainless steel construction including impellers/diffusers, inlet/outlet, and outer shell.
- Pump type: All models are 5.1" (130 mm) outside diameter centrifugal type pump.
- Power cable: 32.8' (10 m) EPDM jacketed plug-in power cable.
- 60 Hz pump motor: Two-stage pump with 2" NPT female outlet.
- 50 Hz pump motor: Three-stage pump with 2" BSPT female outlet.
- Motor rating: Continuous operation with motor cooling provided by product flow and protected from dry running.

INSTALLATION:

- All models are suitable for vertical installation where the pump motor is suspended off the bottom of the tank by the discharge piping.
- Bypass relief valve with cracking pressure of 30-40 psi (2.1-2.8 bar) and 4 gpm (15 lpm) minimum flow required at the discharge of all models.
- Non-return check valve with maximum cracking pressure of 3 psi (0.2 bar) required between product piping and bypass relief valve of all models.

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OPTIONS:

Ordering Information

Single Phase	60Hz	208-240 VAC	rated 7,9 Amps	requires 25 microfarad run/start capacitor rated 370 VAC
Single Phase	50Hz	210-250 VAC	rated 6,9 Amps	requires 30 microfarad run/start capacitor rated 440 VAC
Three Phase	50Hz	380-415 VAC	rated 2,6 Amps	–
Three Phase	60Hz	208-240 VAC	rated 5,0 Amps	–

Note: Three phase models require overload protection in motor starter.

