

# T75 Series Pumping Unit

Recognized Worldwide for Superior Performance and Reliability



Long Life

- Lightweight, Compact Design
- Superior Air Elimination
- Easily Serviced and Field Rebuildable
- Custom Configurations for OEM Applications
- Self Contained, Numerous Options Available



U.L. Recognized Component  
ERIV2, file MH25908

Various Weights and Measure Approvals and  
other Safety Recognitions available, consult  
factory for more information

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# T75 Series Pumping Unit

## Standard Features

T75 (Standard Duty) & T75 HD (High Displacement)

- Positive displacement, sliding vane design
- Efficient, low power consumption designs
- Standard and High Displacement flow rate models
- Integrated & approved vortex style air elimination device
- Self - lubricating bearings
- Integrated filtering
- Internal outlet control valve to minimize pressure surges
- Integral filtration
- Drain plug for servicing and filter replacement
- Integrated pressure relief by-pass valve (optional adjustable version)
- Flanged outlet w/ direct SB100 Meter connection or 1 3/16" diameter Tube Style outlet (30 mm)
- Integrated motor mount top cover on Tube outlet versions
- Flanged bottom inlet (vertically aligned 1 1/2" NPT) or 4 Bolt Filter Cover Side inlet model
- Patented internal design features to reduce the possibility of vapor lock

## Construction

T75 & T75 HD

- Aluminum body
- Blades - Carbon
- Rotor and stator - Cast Iron
- Rotor shaft - Chrome plated steel
- Bearings - Self lubricating with Teflon
- Standard Filtration - Stainless Mesh, 70 micron
- "AL" versions include all aluminum parts treated for methanol/ Ethanol resistance w/ all seals and gaskets compatible to 100%

## External Dimensions

- Flanged Outlet Style Vertical - 12 39/64" (320 mm)
- Tubular Outlet Style Vertical - 11 5/8" (295 mm)
- Horizontal (all) - 8 3/4" x 11 15/16" (222 x 303 mm)

## Weight

- 36 Pounds (79 kg)

## Performance

- T75 - 13 gpm (50 lpm) @ 700 RPM w/ 1/3 HP motor (.25 Kw)
- T75 HD - 22 gpm (80 lpm) @ 700 RPM w/ 3/4 HP motor (.55 Kw)
- T75 HD - 13 gpm (50 lpm) @ 450 RPM w/ 1/2 HP motor (.37 Kw)

## Options

- Adjustable By-Pass Valve with various Operating Pressure ranges
- Integral inlet Check Valve
- Atmospheric Vent Overflow Shut Off Valve
- Optional "OIML" style air separation device
- Security Seal Wires
- High Alcohol compatible units
- Multiple V Belt Sheave options
- Numerous Inlet and Outlet Manifold options

## Model Styles Available

**T75 Standard Model**, up to 15% blends of alcohol & MTBE fuels

**T75 AL Standard Style**, up to 100% Methanol or Ethanol Fuels

**T75 HD High Displacement Model**, up to 15% fuel blends

**T75 HD AL High Displacement**, up to 100% Alcohol Fuels

The T75 Model Pumping Unit is a Positive Displacement, Sliding Vane style pump and is the best choice for pumping clean, low viscosity liquids like gasoline and diesel fuels when compared to internal gear type pumps. The sliding vane design is superior for dry or wet suction and well known for it's long service life. With sliding vanes, most of the wear is concentrated on the moving vanes which are both self compensating for wear and easily & inexpensively replaced in the field should the application ever require it.

Bennett offers over 100 different configurations of the type 75 pumping unit to OEM customers throughout the world to meet the unique needs of each manufacturer. Bennett and many other pump companies rely on the proven performance and reliability of the Bennett Type 75 pumping unit as the foundation for durable, high quality and low maintenance self contained service station dispensers.

