



Tetra Pak® Pump Station M3

Supply unit for liquid ingredients



Application

Tetra Pak® Pump Station M3 is a solution for the continuous and accurate feeding of liquid ingredients like caramel and ripple sauces that do not require temperature control. Tetra Pak Pump Station M3 supplies liquid ingredients to ice cream line equipment including swirl units, top cone decorators and cone core fillers.

Highlights

- Wide flow range
- Handles liquids from low to high viscosity via conical tank bottom and optimal pump inlet
- Easy to adjust pump speed
- Open design enables easy cleaning and inspection
- Small footprint
- Safety valve for pump protection and liquid recirculation
- Remote start/stop

Working principle

Tetra Pak® Pump Station M3 is a standalone unit consisting of a tank placed on top of a positive displacement pump.

The pump is controlled by a frequency converter. It can be adjusted by a potentiometer on the operator panel, where there also is a read-out of pump speed.

The tank has a conical bottom to ensure that high viscous liquids will flow into the pump. On top of the tank is a grid where the product container can be placed for emptying. There is a removable lid on top of the tank and grid to prevent foreign bodies from getting into the tank.

The tank can be dismantled and the pump inlet can be connected to an external pallet tank.

Start and stop can either be done from the operator panel or by remote connection to receiving equipment.

An adjustable safety valve protects the pump from high pressure, in which case the liquid is recirculated to the tank.

Tetra Pak Pump Station M3 is equipped with wheels and with its small footprint it is easy to place along the production line where it will operate. It only needs a power connection and a signal from the line (if remote start/stop function is used).

Technical data

Power Connection	3 x 230-400 V, 50/60 Hz
Power consumption	0,4kW (0,5 hp)
Max system pressure	6 bar (87 psi)
Tank filling height	1005 mm (39,5")
Inlet pipe size	38 mm (1,5")
Outlet pipe size	38 mm (1,5")
Flow capacity range	15 to 500 l/h (4 to 132 US gal/h)
Tank volume	50 l (13 US gal)
Min viscosity	Not suitable to very low viscosity like juice and water. (Send sample if your are in doubt)
Max viscosity	Liquid need to be able to be pourable. (Send sample if your are in doubt)
Net weight	94 kg (207 lbs)
Gross weight	149 kg (328 lbs)
Volume	0,75 m ³ (74,2 ft ³)



Dimensions

