

FMmPump



The Forbes Marshall mPump, Miniature Condensate Pump package unit, is a positive displacement pump unit operated by steam, compressed air or pressurised gas. The compact pump has an in-built receiver for condensate, which eliminates the need for a separate storage tank. The size enables this pump to be used for recovery of condensate from equipment with very small steam loads and where steam consuming equipment is located far away from the process section.

Features

- A complete skid mounted package unit with receiver, motive steam line check valve at the inlet outlet, daily insulated
- Recovers condensate at 100°C
- Digital for condensate monitoring
- Connectivity via condensate recovery only
- Compact design to address space constraint

Benefits

- Equipment level recovery of condensate
- Condensate recovery from low filling head applications
- Engineered to suit return on investment for very small condensate load equipment

Site Installation



Industry	Textile	Formulation Pharmaceutical	Active Pharmaceutical ingredient-Pharmaceutical	Dairy
Application Block	Zero-zero Machines	Fluidized Bed Dryer	Tray Dryer	Ghee Kettle
Condensate Pressure (Barg)	3	3	3	3
Steam load - Peak/Avg in Kg/hr	300/150	400/300	390/190	400/275
Type of fuel used	Indonesian Coal	High Speed Diesel	Indonesian Coal	Indonesian Coal
Return on Investments (in months)	10	12	11	11

Technical Specifications

PMO Maximum operating pressure	4.5 bar g
TMO Maximum operating temperature	155°C
Operating inlet motive pressure	Steam / compressed air / pressurised gas 2 to 4 bar g (max.)
Max back pressure	3 bar g
Pump discharge per cycle	10 litre
Motive Steam consumption	3 kg of motive steam per 1000 kg condensate pumped
Air consumption	22 SCF per 1000 kg condensate pumped
Condensate inlet (DN)	40 # 150 * (LP)
Condensate outlet (DN)	25 # 150
Vent connection (DN)	40 # 150
Empty wt (kg)	90



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