

Urethane Foam Dispensing System

The urethane foam packaging system is a fast, easy, and versatile process for production of protective polyurethane foam packages. A two-component urethane foam is automatically mixed and precisely metered to provide high quality foam to efficiently protect products of virtually any size, shape or weight. At the heart of this system is patented rotary pump technology developed by Cascon specifically for applications requiring high metering accuracy.



Pump Description:

This chemical metering pump is a positive displacement rotary type pump designed to meter precise amounts of water-based urethane chemicals. When properly mixed, the constituent chemicals produce a high quality protective urethane foam packaging material. The chemical pump is designed to bolt directly to the end of a column and drive motor assembly, which is then installed directly into a chemical drum. The pump contains an integral pressure relief plug designed to burst at 1400 psi. Manufacturing process control techniques employed in the production of these pumps results in a six-sigma output flow variation of less than 0.01 gpm.

Selected Performance Data:

Fluids	Isocyanate, Polyol
Flow Rate	0.232 GPM
Temperature Range	80-90 degF
Operating Pressure	400 psid
Operating Speed	1000 rpm
Burst Plug	1400 psid



