

APPLICATIONS

PUMPS



OPERATION:

Exciting of beer is making beer foam. As the bottles advance through the assembly line they are filled with beer. Just before they are capped, they are charged with a high pressure shot of water which causes the beer to foam or excite. This very important part of the procedure forces gases out of the bottle. Eliminating these trapped gases enhances the flavor and gives the product a longer shelf life. Prior to this method, they tried sonic waves and shaking the bottle. Both methods were ineffective. The new exciting process provides a more consistent quality product with enhanced flavor and longer shelf life.

BEER EXCITING

File No. 147

Section 3

PROBLEM:

To prolong shelf life of beer and assure good taste.

SOLUTION:

Install a high pressure pump to inject a small metered amount of water into each bottle of beer to force air out before being capped.

SPECIFICATIONS:

CAT PUMPS Model (two)	*281	*621
Pressure	350-450 PSI	350-450 PSI
Flow (each)	2 GPM	4 GPM
Temperature	Ambient	Ambient
Fluid	Water	Water
Duty Cycle.....	Continuous	Continuous
Drive	3/4 H.P. Electric	1.5 H.P. Electric

**The number and size of pumps vary with production requirements.*

BENEFITS:

- Eliminates expensive mechanical failures of old system.
- Improves production time and quantity.
- Provides more consistent exciting.
- Reduces bottle breakage and beer spilling.



A control valve monitors the fractional second injections into each bottle as they pass under the nozzles.

“Customer confidence is our greatest asset”

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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