GoatThroat™
Hand-pressurized precision pumps that handle anything

## POLLUTION PREVENTION

A company which manufactures thermostats and other devises for the automobile industry in Waltham Massachusetts needed GoatThroat Pumps. Recently, the Ford Motor company required this company to fulfill the requirements for ISO14001 and become registered before January 2004. Developing and implementing the plan took over two years, and they achieved their registration by the deadline.

One of the problem areas which they had with regard to chemical storage and dispensing was in their boiler room for the biocides and phosphates for their cooling tower and boiler room chemicals . For pollution prevention, they had established the standard which required that stringent spill containment devises and barriers needed to be put in place to contain any large spills, should they occur. As we all know, depending on the exact chemical and volume spilled, if required, the paperwork for the reporting to EPA is very time consuming, and the cost of lost chemical inventory and clean up time is not an inexpensive proposition either. While establishing the ISO 14001 standard, the engineers at this company discovered that if they left the drums on the side and used a gravity fed system, such as you see here , the barrier system which they would have to create to contain a spill would be required to accommodate 100% of each container in the room, and would cost thousands of dollars to build. Further research by the engineering department showed that they could substantially reduce the financial outlay by keeping the drums upright, placing them on spill sumps such as you see here, and dispensing from an upright position. Spill containment for containers placed in an upright position on a sump is 110% of the largest container – and not 100% of all containers - because there is little chance of a spill. Further, a containment sump which can hold 4 55 gallon containers can be purchased for about $125 delivered. The environmentally sound GoatThroat, which this company selected, dispenses fluids in a controlled manner using a spring-actioned tap which will deliver chemicals amounts from as little as 5 CCs to up to 4.5 gallons per minute.

**Ensuring worker safety and environmental compliance has never been easier.**

Plant Engineering PRODUCT of the YEAR Finalist 2002

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