

CHEMICALS HANDLING

# infoBITE

## Hydra-cell in traffic control?

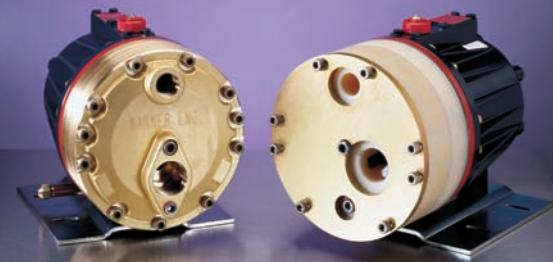
The Orange Traffic Control Cones that we see all too frequently along motorways are made by pumping Plastisol into molds. Plastisol is a vinyl compound that is liquid at room temperature but when heated it fuses into solid vinyl, never to liquefy again.

The customer was using progressive cavity pumps to pump the Plastisol. But problems were encountered due to the abrasive nature of the product, and Plastisol's reaction to temperature increases. The progressive cavity pumps created significant heat, prematurely solidifying the Plastisol.

A Hydra-Cell G-25 pump is now providing long-term reliability and helping the Plastisol "keep its cool".

**Hydra-Cell**<sup>®</sup>  
Seal-less Pumping Technology

[www.wannerint.com](http://www.wannerint.com)



**PUMP:** G-25XKCNHFEC

**FLUID:** PLASTISOL

**VISCOSITY:** 7000 CPS, SUS 17,000 TO 25,000

**SP. GRAVITY:** 1.25 - 1.77

**TEMPERATURE:** 19° C, 65° F

**FLOW:** 19 LPM, 5 GPM

**PRESSURE:** 300 PSI, 21 BAR

**INLET:** FLOODED WITH 4 FEET O/HEAD

**PUMPING VISCOUS HEAT-  
SENSITIVE POLYMER**