

# APPLICATIONS PUMPS



## CLEANING HEATING AND COOLING COILS

File No. 150

Section 6

### PROBLEM:

To establish preventative maintenance for heating and cooling equipment.

### SOLUTION:

Build a portable high pressure cleaner.

### SPECIFICATIONS:

CAT PUMPS Model .....	*323
Pressure .....	1000-1500 PSI
Flow .....	4.5 GPM
Temperature .....	Ambient
Fluid .....	Water
Duty Cycle .....	Intermittent
Drive .....	5 H.P. Electric

\*Optional CAT PUMP model 310 plunger pump.

### BENEFITS:

- Eliminates costly malfunctions.
- Convenient, lightweight, portable unit.

### OPERATION:

The Renaissance Center in Detroit is a very beautiful and large complex housing a hotel, shopping mall and many other businesses. Because of the large number of people occupying this structure, it is important that the heating and cooling system be in top operating condition at all times. For this reason special attention has been given to "preventative maintenance" to avoid costly malfunctions and service.

A portable pressure cleaner was designed to handle the cleaning of the heating and cooling coils. Over a period of time dust and dirt accumulates on these coils which will increasingly reduce the efficiency of the unit. With the high pressure sprayer this cleaning is a very convenient, thorough process and takes place on a regular schedule to avoid any build-up of dirt in grooves and crevices of the coils.

Because the unit is portable, it is also used for a variety of cleaning projects throughout the entire center, adding to the center's appearance, safety and longevity.



The coils are difficult to clean because of their poor accessibility and design. The portable washer makes the task conveniently feasible.

*"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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## **World Headquarters**

### **CAT PUMPS**

**1681 - 94th Lane N.E. Minneapolis, MN 55449-4324**

**Phone (612) 780-5440 — FAX (612) 780-2958**

e-mail: [sales@catpumps.com](mailto:sales@catpumps.com)

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

## **International Inquiries**

**FAX (612) 785-4329**

e-mail: [intlsales@catpumps.com](mailto:intlsales@catpumps.com)



*The Pump with "Nine Lives"*

## **CAT PUMPS (U.K.) LTD.**

1 Fleet Business Park, Sandy Lane, Church Crookham, Fleet  
Hampshire GU13 0BF, England

Phone Fleet 44 1252-622031 — Fax 44 1252-626655

## **N.V. CAT PUMPS INTERNATIONAL S.A.**

Heiveldkens 6A, 2550 Kontich, Belgium  
Phone 32-3-450.71.50 — Fax 32-3-450.71.51

e-mail: [cpi@catpumps.be](mailto:cpi@catpumps.be) [www.catpumps.be](http://www.catpumps.be)

## **CAT PUMPS DEUTSCHLAND GmbH**

Buchwiese 2, D-65510 Idstein, Germany  
Phone 49 6126-93030 — Fax 49 6126-930333  
e-mail: [catpumps@t-online.de](mailto:catpumps@t-online.de) [www.catpumps.de](http://www.catpumps.de)