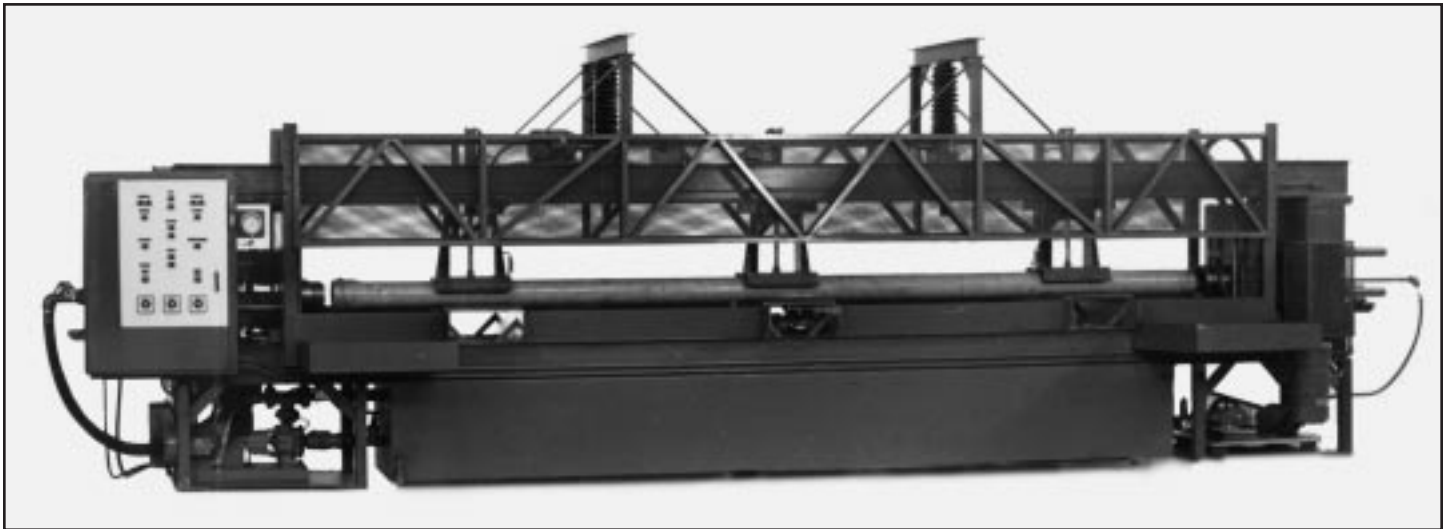


HYDROSTATIC PIPE TESTING

File No. 106

Section 2



OPERATION:

Pressure testing of pipes for leaks, seams, cracks or imperfections is an important quality control process, but can prove to be a tedious task. With this automatic hydro-tester, the process is both simplified and consistently monitored.

Various size PVC piping from 4" to 12" and up to 20 ft. long can be tested. The pipe is placed into a bottom V-channel and held in place by an upper V-support block. The heads or end seals are secured and water is fed into the pipe. While the pipe fills, air is vented out. When the pipe is completely filled, the vent is sealed and the pipe is brought up to a predetermined pressure. Both test time and pressure are automatically recorded. The test time varies with the pipe size from 30 seconds to 3 minutes. The pressure the pipe is subjected to will also vary with its intended purpose and rating.

The CAT PUMP has provided a fast, smooth pressure build-up for this application. It has also provided significantly less initial installation costs than previous air activated intensifiers.

The machinery can be tailor made to fit the type of pipe needing testing. Other CAT PUMP models such as the 650 are used with hydraulic fluids to test steel pipe at 1500-2000 PSI.

PROBLEM:

To find a simplified but consistent pressure testing system for various sizes of pipe.

SOLUTION:

Install a high pressure CAT PUMP to provide a smooth steady pressure build-up for pressure testing.

SPECIFICATIONS:

CAT PUMPS Model	820
Pressure	up to 1000 PSI
Flow	up to 10 GPM
Temperature	Ambient
Fluid.....	Water
Duty Cycle	Continuous
Drive.....	5 H.P. Electric

BENEFITS:

- Fast smooth pressure build-up.
- Reduced operating costs.
- Compact and lightweight for easy installation.

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

Aug 1999 8940

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

www.catpumps.com

International Inquiries

FAX (612) 785-4329

e-mail: 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 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 www.catpumps.de