

PUT YOUR PIPE TO THE TEST

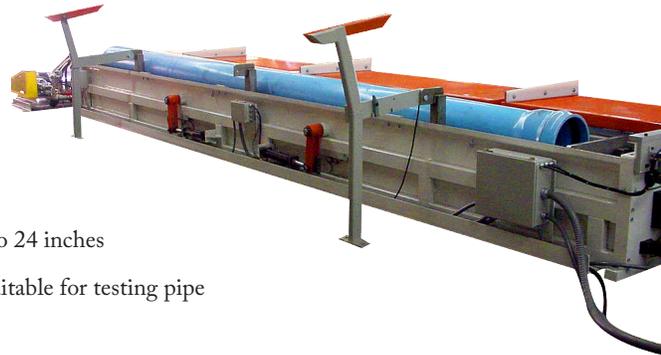
Plastics Extrusion Machinery LLC (PEM) offers both submersible and non-submersible style hydrostatic testing machines (hydrotesters). With many years of experience building hydrotesters, our machines are proven to consistently meet all aspects of the specification proof test so that you can rest assured that your pipe meets or exceeds required expectations.

HYDROSTATIC TESTING MACHINES

Our hydrostatic testing machines (hydrotesters) are designed to safely test PVC water main pipe lengths in accordance with the requirements of the American Water Works Association, Specification C-900. Both our submersible and non-submersible style hydrotesters are extremely effective and can be customized to meet your required specifications.

SUBMERSIBLE

PEM's submersible hydrotesters can test DR 14 through 41 pipe classes in 20 and 22-foot lengths of pipe and in diameters ranging from 4 to 24 inches depending upon the model. They are suitable for testing pipe length as well as bells or couplings.



NON-SUBMERSIBLE

PEM's non-submersible hydrotesters can accommodate 20-22 foot lengths of pipe in all cast iron pipe sizes, as well as bells and couplings.



*The Next Generation in
Innovative Downstream Equipment*



**Fully-automated
testing cycles**

**Audible and/or
visual test fail alarms**

**Tests a wide range
of cast iron pipe sizes**

**Solid steel
construction**

**Customizable data storage
and retrieval options**



SUBMERSIBLE

PEM's submersible hydrotesters feature fully-automated loading, testing, and unloading stations. A double indexing mechanism allows a single length of pipe to be lowered by the pivot arms into a water bath for rapid filling. The pipe is fully submerged to ensure that no air will be trapped in the pipe and pipe cradles provide close control over the centerline location in the water bath. The ends of the pipe are capped and seal on the ID of the bell and the OD of the spigot end of the pipe. Pressure is rapidly brought to the required level and maintained for a minimum of five seconds. Cycle times range from three minutes for up to 12-inch diameter pipe and six minutes for sizes up to 24 inches. Upon successful completion of the test, pressure is relieved, and the pipe is raised, drained, and transferred to the holding station. The next length of pipe is automatically indexed from the holding station and the testing process repeats.

TESTING TECHNOLOGY AND DATA

The basic hydrotester features a 1,000 psi pressure gauge and combination digital readout meter with paperless test data storage. The test instrumentation provides a variable, test-pressure readout for specified ranges and automatically senses whether the test was passed or failed. When a test is failed, an output signal will stop the cycle at the failure point and give an audible and/or visual alarm. Other operational procedures can be added along with optional data storage and retrieval options.

SOLID STEEL CONSTRUCTION

PEM's submersible hydrotesters feature a stainless steel tank with filling and drain valves contained in a heavy-duty welded steel framework that is protected with an epoxy paint finish. Transport systems for large in-line hydrotesters are available and can be customized for individual customer needs.

Model	Type	Pipe Size
850LP	Submersible	4" - 12"
851LP	Submersible	4" - 18"
852LP	Submersible	8" - 24"

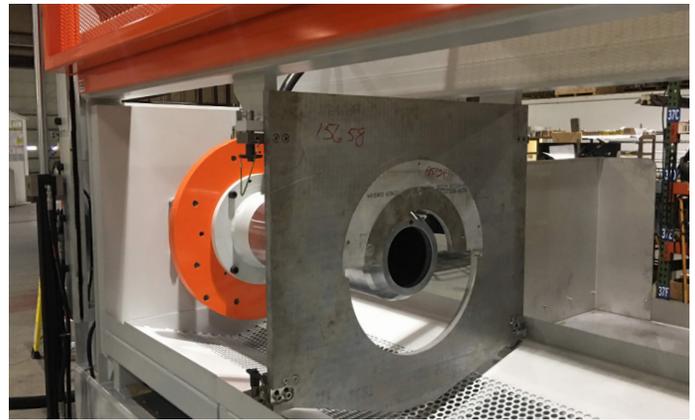
VERSATILE OPTIONS FOR ALL HYDROTESTER MODELS

- Tooling, per size
- Alternative recording instrumentation
- Adapters for pipe shorter than 20 feet
- Microprocessor controls
- Isolation transformer / signal conditioner
- Lift and rotator unit for turning pipe before stacking or bundling
- Incoming transfer cart
- In-line testing



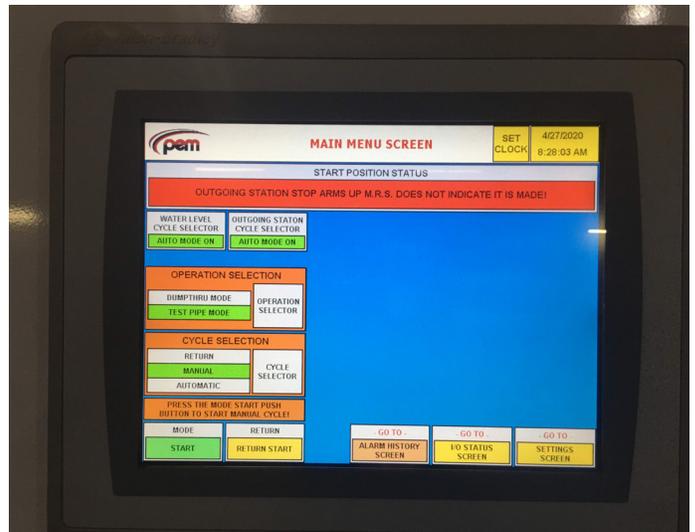
NON-SUBMERSIBLE

These machines feature fully automated loading, testing, and unloading stations. The pipe is lifted from the waiting station to the test station and positioned to the centerline of the test caps which move into position by means of hydraulic cylinders, and mechanically lock into position. The pipe is then filled with water by means of a low pressure/ high volume centrifugal water pump. Test pressure is achieved once the pipe is full of water and the air is vented by means of a triplex piston pump. A large scale 1,000 PSI pressure gauge can be set to indicate the proper test pressure which will be maintained for a minimum of five seconds.



851 non-submersible hydrotester

Once the test is successfully completed, water evacuates from the pipe, and the pipe automatically transfers to the unloading station. Another length of pipe is then automatically conveyed from the waiting station and the testing sequence repeats.



Optional, user-friendly, digital interface to control the machine.

Model	Type	Pipe Size
850	Non-Submersible	4" - 12"
851	Non-Submersible	4" - 18"
852	Non-Submersible	8" - 24"
853	Non-Submersible	12" - 30"
854	Non-Submersible	16" - 36"
856	Non-Submersible	20" - 48"
860	Non-Submersible	30" - 60"



PLASTICS EXTRUSION MACHINERY LLC



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OUR COMMITMENT TO YOU

The PEM that you have once known, is no longer the same. Today, it has new ownership, has hired some of the best minds in the industry, and is looking to a future of new innovations, enhanced products and unmatched quality of service. Bottom line: We have you and your plant in mind! We want to earn your trust by providing you with innovative solutions today and for years to come!