

Airless LightLine › Model no. 1750

Data communication via LAN

Network-compatible

Remote maintenance via Internet

Standards

ISO 1167

ASTM D 1598

Description

The internal pressure creep test is a test procedure for determining the strength of thermoplastic pipes. The samples are subjected to a constant hydrostatic internal pressure at a constant ambient temperature either for a specified period or until they fail. The test duration is subject to the tension generated by the internal pressure and the temperature. The 1750 Airless LightLine complete set provides first-time users and customers with small test volumes with a simple and compact complete solution for carrying out reliable tests in an efficient manner.

Simple and safe operation

- Convenient operation and clear visualisation via integrated PC control

Reliable test results

- Microprocessor-controlled, self-learning pressure regulation with automatic failure detection
- Constant test temperatures thanks to highly-efficient water circulation and precise temperature control in the test tank

Lasting efficiency

- High-quality unit components guarantee high reliability, a long service life and low maintenance costs

State-of-the-art technology

- Interface to IptDataLogging®
- Connection to Pipeson Data Manager Software



Test unit version

		V1750-0001
Pressure range up to	bar	100
Integrated high-pressure pump		●
Pump capacity	l/min	3
Stainless steel pressure reservoir		●
Number of stations		●
Pressure regulation via microprocessor controller		●
Controller with two-line LCD display		●
SensLine connection		●
10-bar pressure transducer		□
16-bar pressure transducer		□
25-bar pressure transducer		□
40-bar pressure transducer		□
60-bar pressure transducer		□
100-bar pressure transducer		□
Accuracy class for pressure transducer		0.50% of full scale of pressure transducer
External control unit (PC)		○
Operation via IptDataLogging®		○
Compatible with IptDataLogging®		From version 5.x
Data interface to internal programs		Fast Ethernet (10/100 Mbit)
CE conformity		●
Width	mm	580
Depth	mm	600
Height	mm	990
Weight	kg	Approx. 140
Voltage data		230/400 V, 50/60 Hz (other voltages on request)



● included ○ available/optional □ eligible - not available

» Tank version

		V1750-0001
Water temperature	°C	+20 to +95
Spatial temperature constancy	°C	±1.0
Temporal temperature constancy	°C	±1.0
Temperature control		●
Regulating accuracy	°C	±0.1
Overtemperature shutdown		●
Monitoring of water level		●
Automatic top-up		●
Integrated heaters		●
Circulation system		●
Monitoring of circulation		●
Fresh-water cooling		●
Connection and interface for chiller/heat exchanger		●
Inner tank material		1.4571/AISI 316 Ti/UNS S 31635
CE conformity		●
Width (internal)	mm	1000
Length (internal)	mm	1000
Water depth	mm	1000
Width (external)	mm	1250
Length (external)	mm	1344
Height closed/open (external)	mm	1350/2500
Weight	kg	Approx. 550 empty
Voltage data		230/400 V, 50/60 Hz (other voltages on request)

● included ○ available/optional □ eligible - not available

»» Accessories

Product	Description	Model no.
	Endclosures 	1732, 1733 1684 1685
	IptDataLogging® test data management software 	1613