

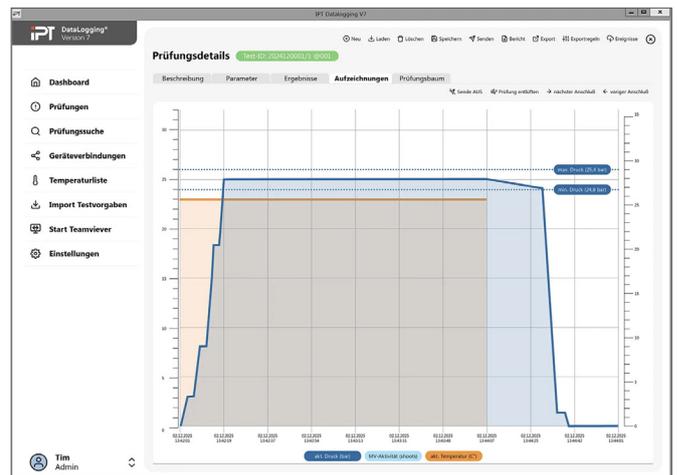
Model Nr. 1799

AIRLESS COMPACT LINE

ISO 1167



Creep
internal pressure
test



This testing device is used to apply and maintain the specified hydrostatic pressure for the internal pressure test.

The time-dependent internal pressure test is a test method for determining the strength of thermoplastic pipes against constant internal water pressure at a constant temperature. The test specimens are subjected to a specified constant hydrostatic internal pressure for a specified period of time or until failure.

The stress on the test piece is defined by the pressure (internal pressure) and the temperature. The Airless Compact Line with 5 stations is suitable for beginners and customers with low testing volumes.

The complete Compact Line set combines 5 test stations and a test container in one housing.

Operation, result evaluation and clear visualisation are carried out via a laptop.

Compact packaging

In addition to the test vessel, the device contains a time-dependent internal pressure module, the pressurised water supply for generating the pre-pressure, the power supply and a status display.

Module and controller

The controller regulates the pressure of each station individually.

Professionally pressure tested

The creep-internal pressure module has 5 test stations for test pressures up to a maximum of 100 bar, as well as pressure transducers with an accuracy class of 0.5%.

Pressurised water supply

The pressurised water supply consists of:

- Water inlet with water filter and pre-pressure monitoring
- Pressure vessel (buffer tank): Prevents pressure peaks and temporarily increases the water supply capacity.
- Controller: For controlling the high-pressure pump and monitoring the system pressure.

Test tank

The test tank can regulate temperatures between 20 °C and 95 °C with an accuracy of +- 1 K. Internal dimensions: L 700 mm x W 600 mm, water depth 800 mm. The tank is already equipped with 5 pressure connections, each with 3 outlets.

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Standard features

- Data input and evaluation via user interface (PC)
- 5 stations in one module
- Integrated, frequency-controlled high-pressure pump. (3 l/min)
- Stainless steel pressure tank
- Module made out of brass
- Maximum test pressure 100 bar
- SensLine connection: High flow rate and thus improved pressure control, more accurate pressure measurement by eliminating pipeline resistance
- Accuracy class of pressure transducer: 0.5% of the final value of the pressure transducer
- Possible selectable Pressure transducer: 10, 16, 25, 40, 60, 100 bar
- CE conformity

Options

- Data entry, evaluation and archiving of test data via IPTDatalogging software (PC)
- Connection to cooling unit

**KEY FACTS
AIRLESS COMPACT LINE**

V1799-0005

Pressure range up to	bar	100
Pump capacity	l/min	3
Maximum number of modules in the rack		1
Maximum number of stations in the rack		5
width	mm	900
depth	mm	1060
hight	mm	1180

voltage specifications 230/400 V 50/60 Hz special voltage on request

Accessories AIRLESS COMPACT LINE

Product	Description	Model-Nr.
	Pipe Saw	1625
	End closures	1732 1810 1685
	Tesmanagenmet-Software IPTDataLogging®	1780