

Model no. 1799

COMPACT LINE



According to

ISO 1167

The internal pressure creep rupture test is a test method for determining the strength of thermoplastic pipes. The test samples are exposed to a constant, internal hydrostatic pressure at a constant environmental temperature either for a predetermined time or until failure. The stress duration depends on the tension generated by the internal pressure and the temperature. The complete 1799 CompactLine set offers 5 test stations and one test bath in one housing. It is ideal for beginners and customers with a low test volume. The compact design offers a simple way of performing reliable tests in an efficient manner.

EASY AND SAFE OPERATION

- > Convenient operation and clear visualisation with IptUserInterface (option)

RELIABLE TEST RESULTS

- > Microprocessor-controlled self-learning pressure regulation with automatic failure detection
- > Constant test temperatures due to highly efficient water circulation and accurate temperature control in the test bath

LASTING EFFICIENCY

- > High-quality device components for high fail-safety, a long service life and low maintenance costs

STATE-OF-THE-ART TECHNOLOGY

- > Interface to IptDataLogging®

VERSION COMPACT LINE (1/2)

		V1799-0001
Compact design		✓
Pressure range up to	bar	100
Integrated high-pressure pump		✓
Pump capacity	l/min	3
Stainless steel pressure accumulator		✓
Number of stations		5
Pressure regulation via microprocessor controller		✓
Controller with two-line LCD		✓
SensLine connection		✓
SD card slot for data output		-
IptDataLogging ® user-interface (PC or notebook required)		✓
Accuracy class for pressure transducer	%	0.50 of full scale of pressure transducer
Material of the inner container		1.4301/ AISI 304 / UNS S 30400
Dimensions of the inner container (Width x Depth x Height)	mm	700 x 600 x 800
Water temperature	°C	+10 above ambient temperature max. 95 (+20 with chiller)
Spatial temperature stability	°C	± 1.0
Temporal temperature stability	°C	± 1.0
Temperature control		✓
Control accuracy	°C	± 0.6
Heating integrated		✓
Recirculation		✓
Connection and interface for cooling device		✓

✓ included

+ available/optional



O eligible

- not available

* available upon request

VERSION COMPACT LINE (2/2)		V1799-0001
External control unit (PC) with IptUserInterface		+
Operation via IptDataLogging®		+
Compatible with IptDataLogging®		✓
Data interface		fast ethernet (10/100 Mbit)
CE conformity		✓
Width x Depth x Height	mm	1,070 x 900 x 1,190
Gewicht	kg	ca. 270
Voltage data		230/400 V, 50/60 Hz * other voltages
✓ included		+ available/optional
○ eligible		– not available
		* available upon request

ACCESSORIES COMPACT LINE

Product	Description	Model no.
	End closures	1732
		1733
	Test data management software IptDataLogging®	1780