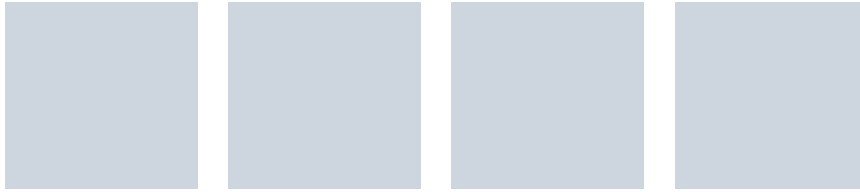


Test unit for rapid crack propagation (RCP S4) › Model no. 1629



Standards

ISO 13477

Standard equipment

- Basic unit with sample containment cage up to 250 mm
- Three selectable strike speeds: 10, 15 and 20 m/s
- Parameterisation via electronic controller
- Options:
 - Test kits and corresponding striker blades
 - Test chamber/cell
 - Assembly and disassembly equipment

Description



The RCP tester conveniently and accurately determines the critical pressure and critical temperature for rapid crack propagation in PE pressure pipes.

Simple and safe operation

- Protection of the operator by operating the controller outside the hazardous area (e.g. behind a suitable protective wall at a safe distance from the tester frame) or outside the test room
- Acoustic and visual signals
- Easy connection of the sample via quick-release plug coupling
- Easy to replace sample supports
- Automatic reduction in pressure at the end of the test

Reliable test results

- Measurement of the precise strike speed of the blade via a photoelectric barrier
- The automatic procedure guarantees that the test is performed well within in the specified testing time

Lasting efficiency


- Motor-operated test unit

Version

		V1629-0004
Sample dimensions	mm	32 – 250
Speed of the striker blade		3 selectable speeds (10, 15, 20 m/s); generated via pressure springs tensioned by an electric motor
Measurement of speed		Via photoelectric barrier
Regulation of filling pressure		Manually via pressure reducer
Regulation of test pressure		Controlled by microprocessor
Pressure transducer	bar	Max. 25
Absolute measuring accuracy		0.5% of full scale of pressure transducer
Operation via		Electronic controller
Pressure adjustment		Freely selectable
Display of filling pressure		At manometer (max. 25 bar)
Display of test pressure		On control panel display
Compressed air supply		From 30-bar external compressed air supply unit (max. 40 bar), min 750 l/min (not included in the scope of delivery!!!)
CE conformity		●
Permissible ambient temperature	°C	+5 to +30
Permissible relative humidity		Max. 70%, non-condensing
Noise emission		<70 dB(A) at rest, ≥120 dB (A) when the striker blade strikes the sample (dependent on diameter)
Width of test unit	mm	720
Depth of test unit	mm	1800
Height of test unit	mm	2020
Weight of test unit	kg	410
Width of control panel	mm	800
Depth of control panel	mm	400
Height of control panel	mm	1160
Weight of control panel	kg	90
Voltage data		230/400 V, 50/60 Hz (other voltages on request)

● included ○ available/optional □ eligible - not available

» Accessories

Product	Description	Model no.
	Cooling cabinet	H3026