

Competence creates Confidence.



Model no. 1720

AIRLESS PROFESSIONAL LINE



According to

ISO 1167

ASTM D 1598

ASTM D 1599

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 1720 ProfessionalLine model is the most innovative development in state-of-the-art internal pressure creep testers. Its compact design, flexibility and precision remain unparalleled.

EASY AND SAFE OPERATION

- > Convenient operation, evaluation of results and clear visualisation via complex PC operating software
- > Operator and service-friendly access to all important components from the front of the unit
- > For servicing purposes, each station can be individually isolated from the supply pressure via integrated needle valves

RELIABLE TEST RESULTS

- > Microprocessor-controlled, self-learning pressure regulation with automatic failure detection
- > Optional precision pressure transducer incl. pressure gauge for checking the actual pressure before or during the test
- > Simple calibration of the test pressure during the test

LASTING EFFICIENCY

- > Modular design for maximum flexibility with respect to configuration and retrofitting
- > High-quality unit components guarantee high reliability, a long service life and low maintenance costs
- > Easy to extend with minimal investment

STATE-OF-THE-ART TECHNOLOGY

- > Frequency-controlled pumps for infinite adjustment of the pump capacity to current demand
- > Optionally available selective pre-pressure regulator for each module
- > Optional version of all components in contact with the medium in stainless steel
- > Interface to IptDataLogging ®



V1721-0061

V1721-0062

V1721-0063

V1721-0064

V1721-0033

V1721-0034



V1720-0003

V1720-0004

VERSION AIRLESS PROFESSIONAL LINE	V1721-0061	V1721-0062	V1721-0063	V1721-0064	V1721-0033	V1721-0034	V1720-0004	V1720-0003
Pressure range up to bar	100	100	200	200	400	600	-	-
Integrated, frequency-controlled high-pressure pump	✓	✓	✓	✓	✓	✓	-	-
Pump capacity l/min	6	12	6	12	4	2	-	-
Motor power kW	4.5	5.5	5.5	7.5	*	*	-	-
Booster / Backup pump (to increase capacity):	+	+	+	+	+	+	-	-
Increased capacity via second pump (with booster) l/min	12	24	12	24	8	4	-	-
Motor power incl. booster pump kW	8.5	11.5	11.5	15.5	*	*	-	-
Installation booster pump	in 1. rack			long frame			-	-
Second system pressure	-	-	+	+	+	+	-	-
Stainless steel pressure accumulator	✓	✓	✓	✓	✓	✓	-	-
For connection to an external pressurised water supply unit (1721)	-	-	-	-	-	-	✓	✓
Max. number of racks	3	3	3	3	3	3	3	4
Number of modules per rack	3	3	3	3	3	3	3	3
Max. number of modules in cabinet	9	9	9	9	9	9	9	12
Max. number of stations in cabinet	45	45	45	45	45	45	45	60
Precision pressure gauge					+			
External control unit (PC)					+			
Operation via IptDataLogging®					+			
Compatible with IptDataLogging®					from version 5.X			
Data interface to internal programs					fast ethernet (10/100 Mbit)			
WLAN control unit (tablet)					+			
CE conformity					✓			
Width mm	720	720	720	720	720	720	720	720
Depth mm	770	1,130	1,130	1,130	1,310	1,310	770	770
Height with 1 rack mm	1,250	1,250	1,250	1,250	1,250	1,250	1,250	900
Height with 2 racks mm	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,250
Height with 3 racks mm	1,950	1,950	1,950	1,950	1,950	1,950	1,950	1,600
Height with 4 racks mm	-	-	-	-	-	-	-	1,950
Voltage data					230/400 V, 50/60 Hz * other voltages			

✓ included

+ available/optional

○ eligible

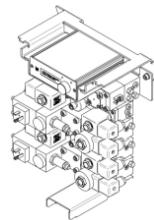
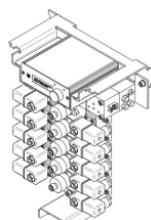
- not available

* available upon request

MODULES

Hydrostatic pressure tests

Burst tests



AIRLESS PROFESSIONAL LINE

	V1720-0031	V1720-0032	V1720-0013	V1720-0014	V1720-0039	V1720-0040	V1722-0041	V1722-0042	V1722-0046	V1722-0047	V1722-0043
Pressure range up to bar	100	200	400	600	100	100	100	200	400	600	200
Number of stations	5	5	5	5	5	1	1	1	1	1	1
Extension station	-	-	-	-	-	-	+	+	+	+	-
Pressure regulation via microprocessor controller	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Regulated pressure increase (linear)	-	-	-	-	-	-	✓	✓	✓	✓	✓
Regulated pressure stages (linear)	-	-	-	-	-	-	✓	✓	✓	✓	✓
SensLine connection	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
For increased flow rate	-	-	-	-	✓	✓	-	-	-	-	✓
Stainless steel design	+	+	✓	✓	+	+	+	+	✓	✓	+
10-bar pressure transducer	O	-	-	-	O	O	-	-	-	-	-
16-bar pressure transducer	O	-	-	-	O	O	-	-	-	-	-
25-bar pressure transducer	O	-	-	-	O	O	O	-	-	-	-
40-bar pressure transducer	O	-	-	-	O	O	O	-	-	-	-
60-bar pressure transducer	O	O	-	-	O	O	O	O	-	-	O
100-bar pressure transducer	O	O	O	-	O	O	O	O	-	-	O
160-bar pressure transducer	-	O	O	O	-	-	-	O	O	O	O
250-bar pressure transducer	-	O	O	O	-	-	-	O	O	O	O
400-bar pressure transducer	-	-	O	O	-	-	-	-	O	O	-
600-bar pressure transducer	-	-	-	O	-	-	-	-	-	O	-
Accuracy class for pressure transducer %							0.25				
							of full scale of pressure transducer				

✓ included

+ available/optional

O eligible

- not available

* available upon request

ACCESSORIES AIRLESS PROFESSIONAL LINE

Product	Description	Model no.
	Test bath	1751-1760
	Test oven	1662 1674 1776
	Endclosures	1732 1784 1685
	Test and burst chambers	1639 1618
	Test data management software IptDataLogging®	1780

DETAIL VIEWS

