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## ProfessionalLine > Model no. 1720

Integrated, frequencycontrolled high-pressure pump Data communication via LAN Networkcompatible Optional operation via tablet PC

Standards
ISO 1167
ASTM D 1598
ASTM D 1599

## 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 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.



#### Simple 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
- Optional, selective system pressure controller for each module
- Optional version with all components that come into contact with the medium in stainless steel
- Interface to IptDataLogging®
- Connection to Pipeson Data Manager Software

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## › Basic cabinets

		V1721-0031	V1721-0032	V1721-0033	V1721-0034	V1720-0004	V1720-0003	
Pressure range up to	bar	100	200	400	600	-	-	
Integrated, frequency-controlled high-pressure pump		•	•	•	•	-	-	
Pump capacity	l/min	6	6	4	2	-	-	
ncreased capacity via second pump (with booster)	l/min	12	12	8	4	-	-	
Second system pressure		-	0	0	0	-	-	
Stainless steel pressure reservoir		•	•	•	•	-	-	
For connection to an external pressurised water supply unit (1721)		-	-	-	_	•	•	
Max. number of racks		3	3	3	3	3	4	
Number of modules per rack		3	3	3	3	3	3	
Max. number of modules in cabinet		9	9	9	9	9	12	
Max. number of stations in cabinet		45	45	45	45	45	60	
Precision pressure gauge		0	0	0	0	0	0	
External control unit (PC)		0	0	0	0	0	0	
Operation via IptDataLogging®		0	0	0	0	0	0	
Compatible with lptDataLogging®		From version 5.x		From version 5.x				
Data interface to internal programs		Fast Ethernet (10/100 Mbit)			Fast Ethernet (10/100 Mbit)			
WLAN control unit (tablet)		0	0	0	0	0	0	
DE conformity		•	•	•	•	•	•	
Vidth	mm	720	720	720	720	720	720	
Depth	mm	770	770	1310	1310	770	770	
Height with 1 rack	mm	1250	1250	1250	1250	1250	900	
Height with 2 racks	mm	1600	1600	1600	1600	1600	1250	
Height with 3 racks	mm	1950	1950	1950	1950	1950	1600	
Height with 4 racks	mm	-	-	-	_	-	1950	
Voltage data		230/400 V, 50/60 Hz (other voltages on request)  100-240 V, 50 Hz (other volta on request)				r voltages		

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## » Modules

Internal pressure creep tests



Burst tests



	V1720-0011	V1720-0012	V1720-0013	V1720-0014	V1720-0019	V1722-0001	V1722-0002	V1722-0004
	717	717	717	717	V17:	V17:	717	V17:
Pressure range up to bar	100	200	400	600	100	100	200	600
Number of stations	5	5	5	5	5	1	1	1
Extension station	-	-	-	-	-	0	0	0
Pressure regulation via microprocessor controller	•	•	•	•	•	•	•	•
Regulated pressure increase (linear)	-	-	-	-	-	•	•	•
Regulated pressure stages (linear)	-	-	-	-	-	•	•	•
SensLine connection	•	•	•	•	•	•	•	•
For increased pump capacity	-	-	-	-	•	-	-	_
Selective system pressure controller	0	0	0	0	0	-	-	-
Stainless steel design	0	0	•	•	0	0	0	•
10-bar pressure transducer		-	-	-	-	-	-	_
16-bar pressure transducer		-	-	-	-	-	-	-
25-bar pressure transducer		-	-	-	-		-	-
40-bar pressure transducer		-	-	-	-		-	-
60-bar pressure transducer			-	-				-
100-bar pressure transducer				-				_
160-bar pressure transducer	-					-		
250-bar pressure transducer	-					_		
400-bar pressure transducer	-	-				_	-	
600-bar pressure transducer	-	-	-		-	_	-	
Accuracy class for pressure transducer	0.25 % of full scale of pressure transducer							

- not available

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eligible

included

O available/optional

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# >>> Precision pressure gauges



	V1723-0001	V1723-0002	V1723-0003
16-bar pressure transducer		-	-
40-bar pressure transducer		-	-
60-bar pressure transducer			-
100-bar pressure transducer			
250-bar pressure transducer	_	-	
600-bar pressure transducer	_	-	
Accuracy class for pressure transducer		full scale of transducer	
■ included O available/optional □ eligible			

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## >>> Accessories

Product	Description	Model no.
	Test bath	1751-1757
	Test oven	1662
	Endclosures	1732, 1733
		1684
		1685
	Test and burst chambers	1639
		1618
	. IptDataLogging® test data management software	1613
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