

Competence creates Confidence.



Moden no. 1796

## PULSATOR



According to

EN ISO 19892

DVGW W 534

DVGW W 543

The pulsator is used to test pipes and containers made from thermoplastic polymer for resistance to alternating pressure stress. The test specimen is filled with water and subjected to pressure cycles by the pulsator. The number of test cycles can be adjusted. The test pressure is applied in a pressure cylinder. Within the cylinder, the piston rod is moved up and down by a servo drive. The form and amplitude of the pressure curve is adjusted in accordance with the thermo drive activation. Depending on the version, 1 to 8 individually adjustable test stations have been installed. The test stations can be cascaded.

## SIMPLE AND SAFE OPERATION

- > Comfortable operation using an integrated touch display
- > Selection of various pressure curves

## RELIABLE TEST RESULTS

- > Servo-controlled pressure curves
- > High accuracy
- > Optional determination of volume increase

## LONG-TERM ECONOMIC EFFICIENCY

- > High-quality device components for high fail-safety, a long service life and low maintenance costs
- > Servomotor for maintenance-free operation
- > Easy exchange of piston seals

## STATE-OF-THE-ART TECHNOLOGY

- > Low-noise operation
- > Control of test parameters using high-performance PLCs
- > Interface to IptDataLogging®



DESIGN PULSATORE	V1796-0001	V1796-0004	V1796-0008	V1796-0010	V1796-0011	V1796-0012	V1796-0060	V1796-0061
Component	Basic frame						Pulsation module	
Max. number of pulsation modules	1	4	8	-	-	-	-	-
Width mm	1460	2660	4660	-	-	-	-	-
Depth mm	860	1360	1360	-	-	-	-	-
Height mm	2170	2170	2170	-	-	-	-	-
Min. pressure bar	-	-	-	0.5	0.5	0.5	0.5	0.5
Max. pressure bar	-	-	-	30	70	50	30	70
Pressure transduver	-	-	-	yes	yes	yes	yes	yes
Max. transport volume at 0.5 Hz and max. pressure cm <sup>3</sup>	-	-	-	1.400	600	840	150	60
Max. transport volume of the pressure converter cm <sup>3</sup>	-	-	-	2.500	1.100	1.600	250	120
Pressure curves	sinus- or trapezoidal shape, adjustable							
Amplitude	adjustable by servo-motor							
Number of cycles	1 to 999.999, adjustable							
Pressure control	yes							
Breakage detection	automated							
Logging of volume requirements	yes							
Further accessories	+							
Touch-Display with visualisation of processes	✓							
Interface to IptDataLogging®	✓							
CE-Conformity	✓							
Weight	depending on the design							
Permitted environmental temperature °C	+5 bis +40							
Permissible relative humidity %	max. 70 not condensing							
Sound pressure level during operation dB(A)	< 70							
Sound pressure level during bursting	depends on test specimen							
Voltage information	230/400 V, 50/60 Hz * other voltages							

✓ included

+ available/optional

O eligible

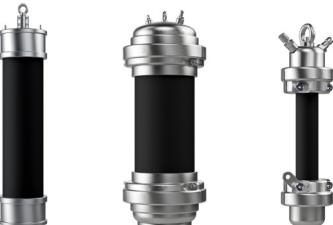
- not available

\* available upon request

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## ACCESSORIES PULSATOR

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Product	Description	Model no.
	Test bath	1751 - 1757
	Test oven	1662 1674
	End closures	1732 1784 1685
	IptDataLogging® test data management software	1780

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