

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 TECH- NOLOGY

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



DESIGN PULSATOR		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 transducer		-	-	-	yes	yes	yes	yes	yes
Max. transport volume at 0.5 Hz and max. pressure	cm³	-	-	-	1.400	600	840	150	60
Max. transport volume of the pressure converter	cm³	-	-	-	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 ○ eligible - not available * available upon request									

ACCESSORIES PULSATOR

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