



EcoFlex PLE

pressureless expansion automats with pump

The SOTEX EcoFlex PLE expansion automats are a particularly investment-friendly expansion system ideal for export projects. The EcoFlex PLE is an expansion system equipped with a pump and an EPDM membrane. The membrane ensures that water and air are kept separate; it is mounted horizontally to the top of the vessel and it “drives” continuously to the water level. The vessel has an extremely long service life because it operates in a pressureless state.

The system pressure is measured by a pressure switch, which is in contact with the control box on the expansion vessel. As the pressure increases, a solenoid valve opens to allow water to flow into the vessel; as the pressure drops, the pump activates to pump the water from the vessel into the system. In this way the pressure remains very constant.

The content of the expansion vessel is also monitored by the control box with the aid of a contact manometer. The content is indicated in percent on the special content meter, which is equipped with two electrical contacts. The controller will sound a low water alarm at 10% and a high water alarm at 90%.

These percentages can be set and changed at any time as required. Remote signalling is possible by means of a potential-free alarm contact. The SOTEX EcoFlex PLE expansion vessel is easy to expand with the SOTEX EcoFlex PLV add-on vessels. The add-on vessels make it easy to increase the expansion volume without have to add an extra control unit directly.



	PLE 1500	PLE 2200	PLE 2700	PLE 3300	PLE 4000	PLE 4800	PLE 5300	PLE 6300	PLE 7500	PLE 8900	PLE 10300	PLE 12100	PLE 14000	PLE 18200
epdm membrane (max. 90°C.)							✓							
robust centrifugal pump								✓ (standard one pump mounted on automat - double pump unit optional)						
pressure switch							✓							
solenoid valve (return valve)							✓							
flexibel connection hose (system)							✓							
content monitoring							✓							
motor power pump [kW]						0.37							0.55	
system voltage (50 Hz) [VAC]								3x 400 (special currents on request)						
approval								not applicable - pressure free expansion vessel						
content vessel [l]	1516	2178	2680	3307	4010	4771	5289	6282	7509	8914	10320	12110	13997	18243
diameter [mm]	960	1270	1270	1270	1400	1400	1600	1600	1900	1900	1900	2200	2200	2500
totale height [mm]	2627	2265	2665	3165	3170	3670	3208	3708	3260	3760	4260	3795	4295	4350
system connection						1"							1 1/4"	
max. work. press. pump [bar]														2
max. temperature [°C.]														90

Optionally available in different sizes, with double pump set and/or special connection voltages.