



EcoFlex PLC

pressureless combi expansion set

The SOTEX EcoFlex PLC expansion set is a combination of an PLE expansion automat and one or more PLV add-on vessels. A very investment-friendly expansion system, ideal for export projects. The PLE vessel has a pump and both the PLE expansion vessel and the PLV add-on vessels are equipped with 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%. Remote signalling is possible by means of a potential-free alarm contact. Optionally available in different sizes, with double pump set and/or special connection voltage.



	total content	no. of vessels	dimension each vessel		weight each vessel	system connection	epdm membranes	content monitoring	power pump motor	max. work. press. pump	max. temperature	approval	current	flexibel conn. hoses	press. switch, pump, solenoid valve
	[l]		Ø [mm]	hoogte [mm]	[kg]		max. 90°C.		[kW]	[bar]	[°C.]		[VAC]		
PLC 9600 combi	9542	2	1400	3670	590	1"			0.37						
PLC 10600 combi	10578	2	1600	3208	650	1¼"			0.55						
PLC 12600 combi	12564	2	1600	3708	735	1¼"			0.55						
PLC 15000 combi	15018	2	1900	3260	805	1¼"			0.55						
PLC 17800 combi	17828	2	1900	3760	915	1½"	√	√	0.55	2	90			√	√
PLC 20600 combi	20640	2	1900	4260	950	1½"			0.55						
PLC 24200 combi	24220	2	2200	3795	1015	1½"			1.1						
PLC 28000 combi	27994	2	2200	4295	1130	1½"			1.1						
PLC 30900 combi	30960	3	1900	4260	950	2"			1.1						
PLC 42000 combi	41991	3	2200	4295	1130	2"			1.1						