



EcoFlex PLE Pro

pressureless expansion automat with pump

The Sotex EcoFlex PLE Pro expansion automat is a particularly investment-friendly expansion system, can be used anywhere and especially ideal for export projects. This system is pressureless, not subject to special approvals such as ASME and PED, optionally available for projects with special connection voltage.

The SOTEX EcoFlex Pro expansion automat is equipped with a **digital controller**, equipped with a **Siemens CPU S7-1200**, complete with touch screen. The content measurement and the system pressure measurement, measured with reliable 4-20 mA pressure sensors, are clearly and effectively displayed on the **7-inch color screen**. The system maintains the pressure in the heating system by means of a solid centrifugal pump and the water / air separation is realized by using a robust EPDM membrane. The membrane is mounted horizontally at the top of the vessel and "floats" continuously on the water level. Due to the pressureless operation, the service life is extremely long.

Another important functionality is **the refill mode**. Allows you to refill the system automatically, using the software. If the water level in the expansion vessel is too low, a potential-free signal will be given, which you can use to control a pump or valve. Of course, this signal is broken again as soon as the set wish level has been reached, with a maximum top-up time linked to it. Optionally, you can also order the **SOTEX PLE-FILL**, see the photo below. It consists of a KIWA-approved shut-off valve, robust solenoid valve and a water meter with pulse counter that shows the amount of water consumed via the 7" display of the PLE Pro.

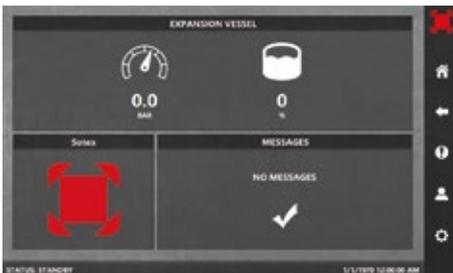


The SOTEX EcoFlex PLE Pro expansion automat can easily be expanded with the SOTEX EcoFlex PLV coupling vessels. These coupling vessels make it easy to increase the expansion volume without directly adding an extra control unit.

Optional SOTEX PLE-FILL



Standard display PLE Pro



ECOFLEX PLE PRO

epdm membrane (max. 90°C.)	
robust centrifugal pump	
pressure sensor 4-20 mA (bar)	
solenoid valve (return valve)	
content monitoring sensor 4-20 mA	
motor power pump [kW]	0.37
connection voltage [VAC]	3x 400 (50 Hz)
approval	not applicable - unpressurized vessel
content [l]	
diameter [mm]	
total height [mm]	
weight [kg]	
system connection [inch]	1
maximum working pressure pump [barg]	2
max. temperature [°C.]	90

	1500	3300	4800	6300	8900	10300	12100	14000	18200
motor power pump [kW]					0.37				0.55
connection voltage [VAC]					3x 400 (50 Hz)				
approval					not applicable - unpressurized vessel				
content [l]	1516	3307	4771	6282	8914	10320	12110	13997	18243
diameter [mm]	960	1270	1400	1600	1900	1900	2200	2200	2500
total height [mm]	2627	3165	3670	3708	3760	4260	3795	4295	4350
weight [kg]	355	450	675	820	1195	1280	1540	1660	2290
system connection [inch]					1			1 1/4	
maximum working pressure pump [barg]					2				
max. temperature [°C.]					90				