



ECON SCREEN CHANGERS WITH AUTOMATIC VENTING IN USE AT BLOWN FILM LINES

A renowned spanish manufacturer of PE multilayer film ordered after extensive tests of different suppliers totally 21 continuous screen changers with the patented venting system from Econ. The throughput range is from 350 to 750 kgs/hr at pressures of up to 620 bar. There are always three screen changers per blown film line.

The continuous twin-piston screen changer (without backflush) allows the simple exchange of the screens used for filtration during on-going operation. The melt which is distributed in normal operation among both pistons with a screen package each is guided after reaching a defined maximum pressure entirely over the second screen support piston after the hydraulic extension of the one screen support piston. After the exchange of the screen package, the first screen support piston is retracted again and thus integrated in the production sequence again. Then the second piston is moved accordingly.

In order to avoid any trapping of air in the melt (which would lead to a breakage of the film), ECON equipped the screen changers with an automatic venting system for the screen cavities. The venting system was designed for easy handling and smallest pressure variations especially for such application. This is very important for this customer as he does not use any melt pump at his lines.

Until now 15 of the ordered screen changers were delivered and started up to the customers entire satisfaction.

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