

Continuous: Melt filtration



본 연속식 멜트 필터는 플라스틱 재생공정에 있어서, 목재, 종이, 알루미늄, 고무 등 여과가 어려운 물질 뿐만 아니라 각종 이물질을 대용량으로 처리 함으로써, 통상 1,000시간 전후의 긴 필터교체주기를 자랑하며, 이로 인해 작업시간, 인력 등 비용 절감 효과가 탁월한 필터입니다.

스크레이퍼가 회전 스크린 디스크상의 이물을 제거하는 구조로, 디스크 전후의 압력을 감지하여 연속 운전중 자동으로 이물이 배출됩니다.

짧은 교체주기, 필터용량 부족으로 고생하시는 고객들의 연락을 기다리겠습니다.

Wood and paper are very common impurities in plastic recycling. Conventional filter systems using mesh screens are usually unable to cope with even small amounts of such impurities. The continuous CDF-type melt filter separates contamination such as paper, wood, aluminum or rubber as well as unmelted plastics efficiently. A scraper removes the contamination from the surface of a rotating screen disc. The impurities are discharged continuously from the CDF, while the filtrated melt is forwarded to the pelletizing system. The melt pressure in front of the filtration disc controls automatically the function of the Scraper.

The filter discs are manufactured from hardened steel. Replacement is very simple as the filter screen is freely accessible once the split housing has been opened. Consequently, the filter screen can be replaced within approximately 40 min using conventional tools.

Technical design protected by various patents.

Type	CDF 300	CDF 500	CDF 500-D	CDF 500-D parallel
Diameter of filter	1 x 300 mm	1 x 510 mm	2 x 510 mm	4 x 510 mm
Active filtration surface	792 cm ²	1,640 cm ²	3,280 cm ²	6,560 cm ²
Filtration fineness	100µm - 750µm	100µm - 750µm	100µm - 750µm	100µm - 750µm
Max. pressure difference	150 bar	150 bar	150 bar	150 bar
Max. pressure	180 bar	180 bar	180 bar	180 bar
Throughput capacity*	300 - 700 kg/h	600 - 1,600 kg/h	800 - 2,000 kg/h	1,600 - 4,000 kg/h

*Capacity depending on viscosity as well as type and amount of contamination