

Plastic Waste Recycling

915 & 912 Bars

Problem

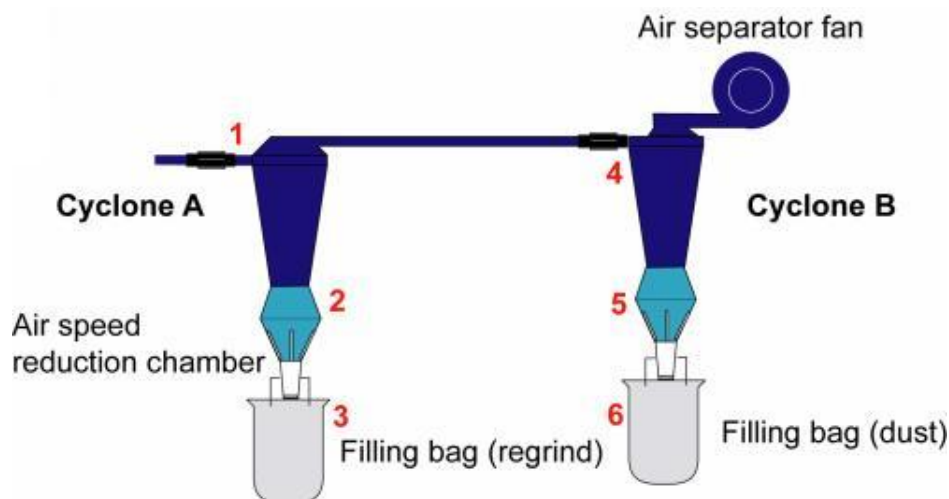
The process of recycling plastic waste and regrind causes very high static charges to be generated. This can lead to several problems, including:

1. Dust Separation System (CYCLONE A) Waste clogs the entry and air separation system. Waste or regrind blocks the air speed reduction chamber by clinging to the walls of the narrowing duct. Waste or regrind sticks to the discharge aperture. Smaller particles and dust cling to the waste and regrind, causing contamination. The subsequent use of contaminated regrind can result in burst-through in mouldings and extrusions.
2. Dust Collection System (CYCLONE B) Dust can become re-charged with static, causing blockages in the cyclone inlet and air separation system as well as the air speed reduction chamber. Charged dust in the collection bag and discharge head can cause environmental contamination.

Solution

1. Dust Separation Four model 915 bars fitted to the cyclone delivery (1) and a further four 915 bars fitted in the air speed reduction chamber (2) will neutralise static charges. This will allow the material to flow freely and ease dust separation. A Model 912 cylindrical bar fitted to the end of the filling discharge head (3) allows easy filling of the collection bags.
2. Dust Collection Four Model 915 bars fitted at position (4) and a further four 915 bars at position (5) will prevent blockages. A Model 912 circular bar at position (6) will allow easy filling of collection bags and prevent environmental contamination.

Fig.



Meech International

2 Network Point
Range Road, Witney
OX29 0YD, UK

Tel: +44 (0) 1993 706700

Fax: +44 (0) 1993 776977

email: sales@meech.com