

Concentrators versus Separators



Do you need a separator or a concentrator? The two are often confused.

Separators are the cyclones and screen separators that separate dust and paper from conveyed air,. In simple terms, a Separator separates material from the conveying air, then directs or dumps the material into a baler.

A concentrator is a separator that does not have a baler below it. A concentrator is typically used when an above-baler system is out of capacity or when it is more cost effective to put the separating capacity out near the source of the scrap.

Cyclones or screen separators can both be used either with or without an airlock to dump material into an existing duct. Since the main driver for separator or cyclone capacity is the conveying air, just dumping the material into an existing duct “concentrates” the material in the conveying air—thus the name concentrator.

Concentrators are a cost-effective way to add separator and filter capacity in remote locations as your production layout grows.

If you find that your baler room is excessively dusty or there’s paper blowing out of the sides of the baler, especially if you recently added production equipment to the system, an undersized separator and/or filter may be at the root of the problem. The installation of a concentrator may solve the problem.

Not sure what’s right for your operation? Give G.F. Puhl a call at 615.230.9500 or email us at sales@gfpuhl.com to schedule an evaluation to see if a concentrator is the right solution.