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## ***G-3 Process Air Filter System***

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For many years, Ibis has offered different filter configurations. The most popular of these has been the traditional drum filter with "clean floor" design followed by a self cleaning cartridge filter. We have refined our design of one of these configurations under the new name, "**G-3**".

When exceptionally clean air is required for recirculation within the production area and/or exhausted to the local atmosphere, Ibis has developed the G-3 Concept that offers a high level of filtration efficiency while addressing the issues associated with OSHA, CE, ATEX, FM, NFPA and other safety & environmental directives. The G-3 is based on the design principle of "Capture & Contain" eliminating the use of compressed air cleaning, residual dust and any/all electrical components or other possible sparking components in the air stream.

The dependable and time tested Ibis rotary drum filter remains as stage #1. The stage #1 drum filter is an "evacuation" of dust/particulate with minimal accumulation. The "G-3" Concept filter is comprised of two pocket type filter walls. The first wall (**stage #2**) is a pocket filter that is approximately 80% efficient to 5 micron followed by a second wall (**stage #3**) of pleated bag filters that are 95% efficient to 1 micron.

When "Near Perfectly Pure Air" is required, you may consider adding the optional Absolute HEPA filter wall (**stage #4**) to the "G-3" Filter. The XH Absolute HEPA filter is 99.97% efficient to 0.3 micron and will include the HEPA elements/filters and a "Face Guard" safety pre-filter.

When compared to a traditional baghouse type filter or the drum and cartridge filter, you save space, money and address many safety issues. Consider the Ibis "G-3" Concept for current risk assessment and planning for converting machines requiring large process air filter systems.



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