

patent US 16/058,013



### WHAT IS THE GOLD CONE X-FLO

**What it is:** A patented, open bottom, pleated conical addition to the inside of a filter cartridge which adds more usable media.

This configuration increases the amount of air each filter can clean.

**What it does:** Gold Cone technology optimizes the reverse pulse energy of a filter during cleaning cycles. The open bottom and additional filtration area of the cone lower the working pressure drop of the filter and ejects dust directly out of the dust collector when pulsed. The aerodynamic shape of the cone accelerates the pulse wave providing better filter cleaning than alternative filter designs and a longer lasting filter that use less compressed air, saving you money.

### KEY BENEFITS

- 2 piece cone initiates filter cleaning high on the filter's outer pleat pack and provides uniform pulse distribution
- Filter comprised of 100% HemiPleat media
- Industry leading amount of downward facing media pulses dust straight down and out of dust collector
- 30% lower pressure drop than most filters on the market today



### HEMI PLEAT TECHNOLOGY

**What it is:** Synthetic beads are applied to our media in order to achieve even and open spacing. The open pleats create top-most utilization of media area resulting in longer lasting and highly efficient filter cartridges.

**What it does:** Camfil APC filter cartridges with HemiPleat technology have sizable dust loading capacity and allow for maximum dust release when pulsed. These industry superior characteristics result in a cleaner, safer and lower maintenance work environment.

### MEDIA OPTIONS

- **HemiPleat Green** Our own blend of fibers with a moisture resistant treatment for the best dust release, long filter life and high filtration efficiencies.
- **HemiPleat Flame Retardant** Our own blend of fibers, chemically treated with a fire retardant.
- **HemiPleat FR Carbon Impregnated** Our own blend of fibers, impregnated with carbon for static dissipation and chemically treated with a fire retardant.
- **HemiPleat Synthetic** Light weight 100% synthetic polyester.
- **HemiPleat FR-PTFE** Cellulose based media chemically treated with flame retardant and PTFE membrane for high filtration efficiency and best release.

### HEMI PLEAT EXTREME



HemiPleat eXtreme provides all the benefits of HemiPleat technology. Additionally, a layer of nanofibers are directly applied to the surface of the base media providing superior efficiency and release. All Camfil base medias are available with this technology. Filters made with HemiPleat eXtreme media have an efficiency of 99.99% on particles 0.5 µm or larger. HemiPleat eXtreme filters are rated MERV 15.