

Technical Specification **Cartridge Cleaning Cone**



Description

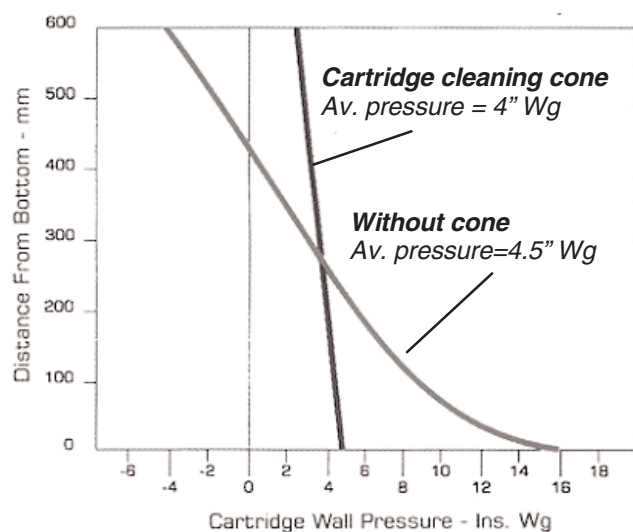
Goyen's Cartridge Cleaning Cone attaches to the Goyen GOCO nozzle system. This product optimises the cleaning pulse in cartridge filter applications by ensuring that the developed pressure in the filter is even along the entire length of the filter element.

Suitable for

Cartridge and pleated filter elements used in reverse pulse jet dust collectors. Suitable for filter elements with internal diameter of 60mm (2.4") or larger. The Cartridge Cleaning Cone may be assembled to any of the Goyen range of GOCO nozzles.

Not intended for use in gas turbine applications.

Performance



As illustrated above for a typical system, the Cartridge Cleaning Cone ensures that the developed overpressure is even along the entire length of the filter element. The average developed pressure is nearly equal to the system without.

Note that in this case, the system without the attachment is unable to overcome the normal filter differential pressure near the top of the filter. Massive over pressure is developed at the bottom of the filter. The effects of this include blinding of significant filter area and damage to the filter membrane - poor filtration performance and reduced filter life.

Graphic shown is for internal Ø 240mm, external Ø 350mm cartridge filter 600mm long operating at a pressure drop of 4" Wg. System pulse pressure is 413kPa (60psi). No venturi used on cartridge element. CC200 used.

Nozzle sizes can be optimised using Goyen's GOCO software. Contact your local Goyen representative.

Installation

When installing into baghouse, the end of the cone should lie between 30 and 80mm (1.13" and 3.14") from the filter opening.



Note the profile of the four legs of the cone



Snap the clip into position over the four legs



Note the profile at the end of the nozzle



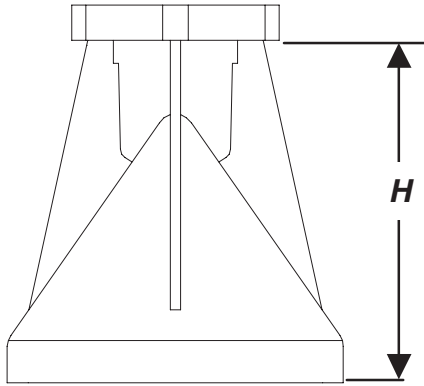
Snap cone assembly into position over the nozzle outlet

Dimensions and Weights

(Dimensions in mm and [inches])

To calculate total assembly height when mounted to a Goco nozzle, add H to the total nozzle length. Refer to relevant nozzle product specification.

	CC100 mm (inches)	CC150 mm (inches)	CC200 mm (inches)
H	33 (1.30)	77 (3.03)	102 (4.02)



Order Code and Characteristics

Order Code	Suitable Filter (internal) mm (inches)	Material (cone and clip)	Unit Mass Kg (lbs)	Temperature Range °C °(F)
CC 100	60 - 100 (2.4 - 3.9)	30% glass filled PA-6	0.03 (0.066)	-40 (-40) to 80 (176)
CC 150	100 - 175 (3.9 - 6.9)	30% glass filled PA-6	0.07 (0.154)	-40 (-40) to 80 (176)
CC 200	Larger than 175 (6.9)	30% glass filled PA-6	0.13 (0.287)	-40 (-40) to 80 (176)

Note that assemblies include cone and clip.