

### Flat flange collar

It offers a more stable configuration on the cell plate and protected sleeve housing with a flat surface ideal to connect to Venturis and other devices like identification tags and labels.

### Snap band filter top

The snap band top provides the most easy and safe locking of the sleeve to the cell plate, shielded by our steel collar.

### The increased filtration area

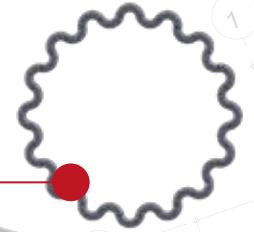
Of the patented Waveline design ensures a lower differential pressure during working and cleaning conditions through a decreased filter area load. This significantly reduces the energy.

### Computerized design

The special 16 edges star ring has been optimized using simulations and various technologies in order to perfectly match the increased filter area of the Waveline filter bag. This allows the Waveline filter element to perform perfectly even under rough conditions. A full alignment between the Waveline filter bag and the steel cage prevents plies and therefore improves the lifetime of the Waveline filter element.

### 16 longitudinal wires

It will provide optimum support for the filter bag through the filter cage. The maximized contact area given by the **star ring** ensures that the filter media is sufficiently supported in all applications.

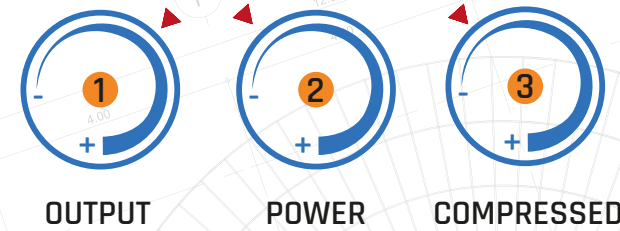


### A wide range of different materials

Can be used both for the cage and for the bags. This way the requirements of nearly all applications can be met. Different chemical and physical working conditions including harsh environments are mastered by selecting the right materials.

### Main choice

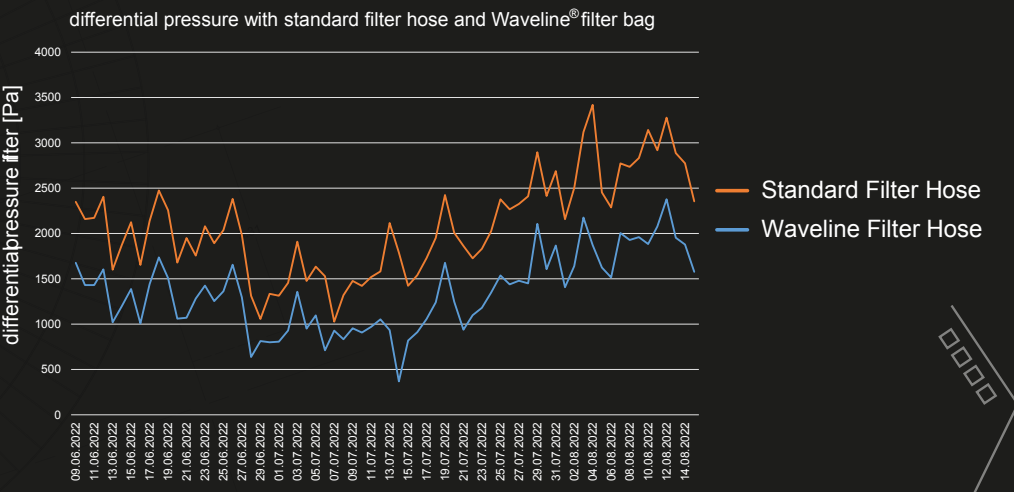
- 1 INCREASED AIR OUTPUT
- 2 REDUCED POWER
- 3 REDUCED COMPRESSED AIR



### Tecnology



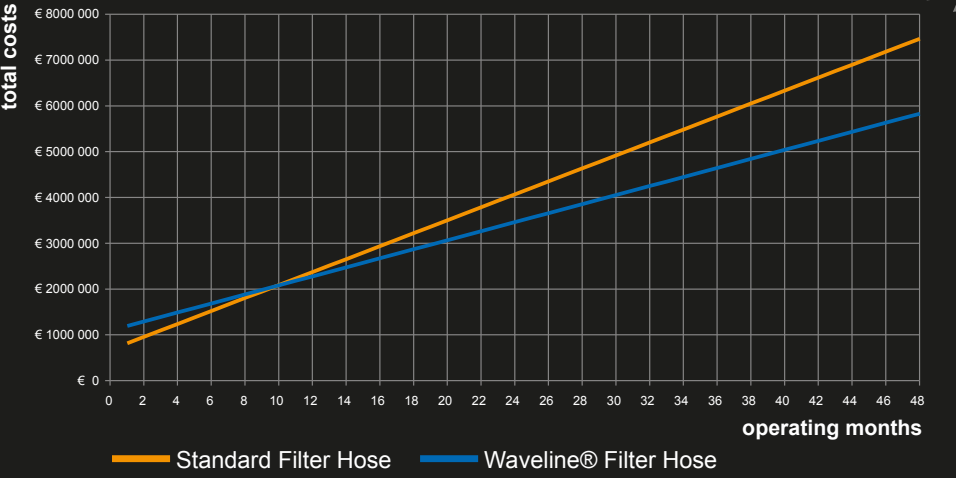
The advantage of the increased filtration area is a choice between increased air output, reduced power consumption or reduced air compression. All the choices are possible due to the increased filter area. By using the same filter area load a higher air output can be reached. By reducing the filter area load, the average differential pressure of the filter drops and therefore also the energy consumption. Due to the lower initial differential pressure longer cleaning cycles can be reached if the cleaning threshold is kept on the same level as before the conversion to the Kappa Waveline filter element.



The overall effect of an increased filtering operation is the energy saving in both working (fan) and cleaning (compressor and valves) operations.

### Time is money

#### PAYBACK TIME



Especially when energy costs are increasing as they are currently. By using the patented Waveline filter bag and Waveline filter cage, in comparison to a standard filter bag with a standard support cage, the return-on-investment period lies, depending on the conditions, normally between 12 and 24 months! The energy savings though, continue.

### Suitable for:



# Waveline®

Encounter of the third kind



... REV: DICEMBRE 22-001 ...

A new specie in **filter bags**



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# Waveline®

Customized,  
patented and revolutionary  
filter bag engineered to gain

An higher air output, a lower energy consumption, an important saving in compressed air obtained with a widened filtration area.

+25%  
air output

or

-30%  
energy  
consumption

or

+50%  
air  
compressed  
saving