

SIZING OF EXPLOSION VENTING SURFACE

SIZING OF VIGIL'EX VENT PANELS

Customer: **Ref.:**

The elements necessary for the sizing of the vent panels are as follows:

ENVIRONMENT:

Working Temperature: °C

Working pressure: (mbar) / **Working vacuum** (mbar)

Language of user's country:

PRODUCT :

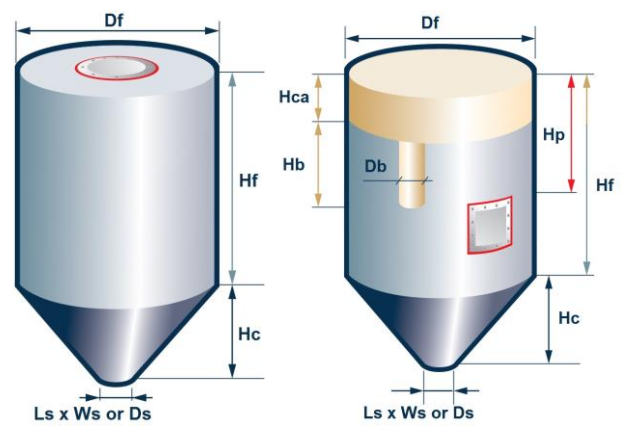
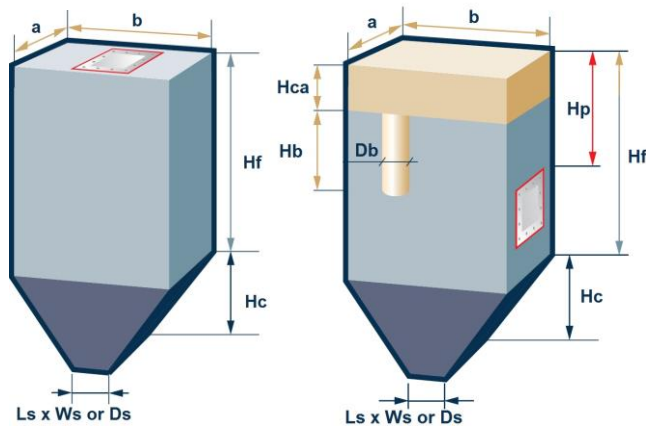
Type: Dust / Gas Product name :

Max explosion pressure Pmax (bar)

Max explosion index (Dust) Kst (bar.m/s) **Max explosion index (Gas) Kg** (bar.m/s)

Dust concentration (kg/m3) **Average particle size** (µm)

DIMENSION:



SQUARE / RECTANGULAR

Section **a x b** x (m)

Height of the body **Hf** (m)

Height of the hopper **Hc** (m)

Outlet section **Ls x Ws** x (m)

ROUND

Diameter **Df** (m)

Height of the body **Hf** (m)

Height of the hopper **Hc** (m)

If round : **Ds** (m)

FILTERS

Height of clean air **Hca** (m)

Qty of bag **Nb**

Height of the bags **Hb** (m)

Bag Diameter **Db** (m)

Height of the panel **Hp** (m)

GENERAL PARAMETERS:

Pressure strength of the vessel **P:** (bar)

Length of the extracting pipe **Lc** (if necessary) (m)

We can carry out a dimensioning with incomplete data, while estimating, in a reasonable way, the missing parameters, however the result will engage the customer who will have accepted these estimates.