

EXPLOSION PROTECTION QUESTIONNAIRE

FLEX - FLAMELESS EXPLOSION VENTING

FLEX - location inside and outside, or where is no possibility of safety area for conventional venting devices!

.....

CUSTOMER DATA

COMPANY

VAT

CONTACT PERSON

Phone number

E-mail

PROJECT DATA

PLACE OF DELIVERY (CITY, COUNTRY)

PLACE OF INSTALLATION (CITY, COUNTRY)

PRODUCT (DUST) SPECIFICATION

Name

 K_{St} [bar.m/s]

MIE [mJ]

Metallic dust

☐

yes

☐

no

 P_{max} [bar]

MIT [°C]

EQUIPMENT SPECIFICATION

Protected equipment

Equipment tag / ID number

Duct diameter - inlet [m]

Duct diameter - outlet [m]

Duct length - inlet [m]

Duct length - outlet [m]

Operating temperature - minimum [°C]

Operating temperature - maximum [°C]

Ambient temperature - minimum [°C]

Ambient temperature - maximum [°C]

Maximum positive pressure (overpressure) [bar]

Maximum negative pressure (vacuum) [bar]

Ex Zone - inside

Ex Zone - outside

Pressure resistance [bar] - p_{red}

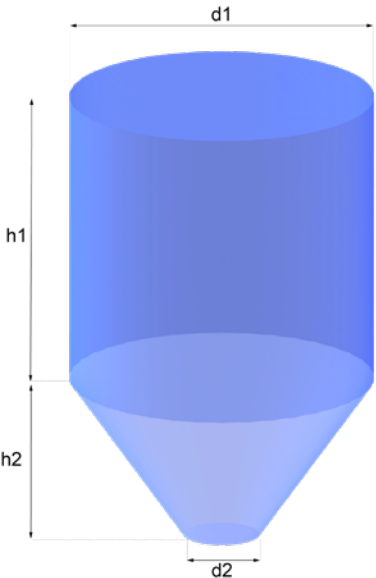
Process characteristics and properties behavior

Comments and additional information

EXPLOSION PROTECTION QUESTIONNAIRE

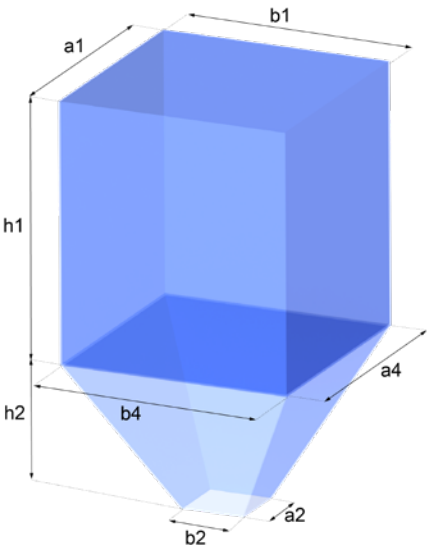
FLEX - FLAMELESS EXPLOSION VENTING

DIMENSION OF PROTECTED EQUIPMENT



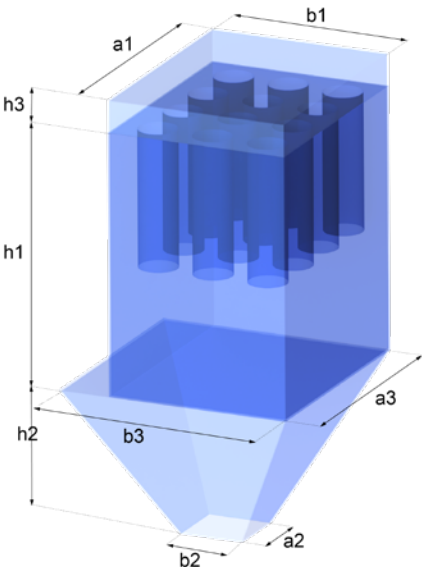
A. ROUND VESSEL

d1 [m]	<input type="text"/>
d2 [m]	<input type="text"/>
h1 [m]	<input type="text"/>
h2 [m]	<input type="text"/>



B. RECTANGULAR VESSEL

a1 [m]	<input type="text"/>	b1 [m]	<input type="text"/>
a2 [m]	<input type="text"/>	b2 [m]	<input type="text"/>
a4 [m]	<input type="text"/>	b4 [m]	<input type="text"/>
h1 [m]	<input type="text"/>	h2 [m]	<input type="text"/>



C. RECTANGULAR FILTER WITH VERTICAL BAGS

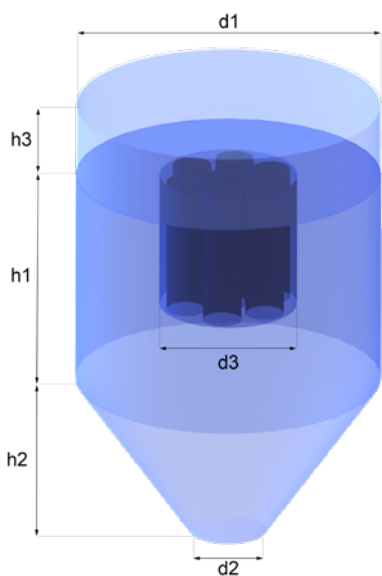
a1 [m]	<input type="text"/>	b1 [m]	<input type="text"/>
a2 [m]	<input type="text"/>	b2 [m]	<input type="text"/>
a3 [m]	<input type="text"/>	b3 [m]	<input type="text"/>
h1 [m]	<input type="text"/>	h2 [m]	<input type="text"/>
h3 [m]	<input type="text"/>	Number of filtration bags	<input type="text"/>
Diameter / Dimensions	<input type="text"/>	Length of filtration bags	<input type="text"/>

EXPLOSION PROTECTION QUESTIONNAIRE

FLEX - FLAMELESS EXPLOSION VENTING

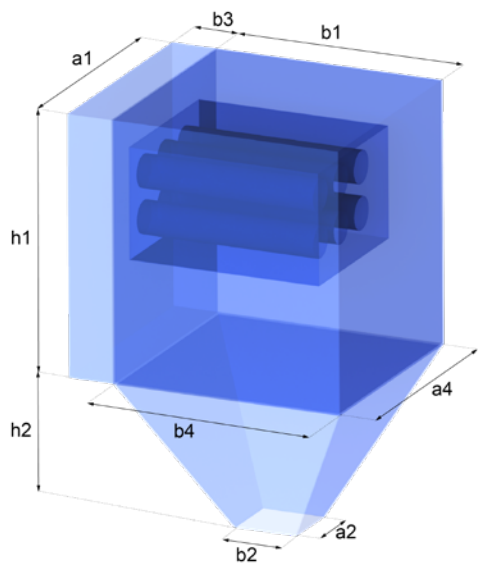
DIMENSION OF PROTECTED EQUIPMENT

D. ROUND FILTER



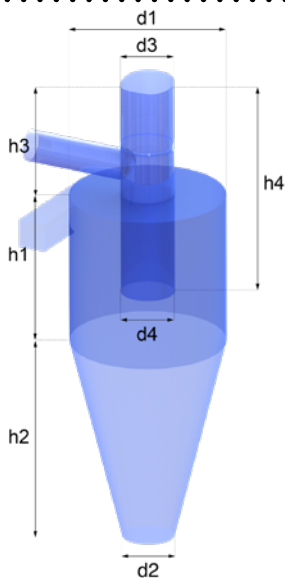
d1 [m]	<input type="text"/>
d2 [m]	<input type="text"/>
d3 [m]	<input type="text"/>
h1 [m]	<input type="text"/>
h2 [m]	<input type="text"/>
h3 [m]	<input type="text"/>

E. RECTANGULAR FILTER WITH HORIZONTAL BAGS



a1 [m]	<input type="text"/>	b3 [m]	<input type="text"/>
a2 [m]	<input type="text"/>	b4 [m]	<input type="text"/>
a4 [m]	<input type="text"/>	h1 [m]	<input type="text"/>
b1 [m]	<input type="text"/>	h2 [m]	<input type="text"/>
b2 [m]	<input type="text"/>		

F. CYCLONE



d1 [m]	<input type="text"/>	h1 [m]	<input type="text"/>
d2 [m]	<input type="text"/>	h2 [m]	<input type="text"/>
d3 [m]	<input type="text"/>	h3 [m]	<input type="text"/>
d4 [m]	<input type="text"/>	h4 [m]	<input type="text"/>