Product leaflet

FlexFilter EX

A state of the art filter system to meet your current and future needs

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FlexFilter EX

- A state of the art filter system to meet your current and future needs
- Equipped with an explosion relief panel
- Standard 70L bin with antistatic plastic bag, or conductive bulk bag fitted to a fully automatic emptying device
- Designed for ISO 21904 compliance

The Flexfilter EX is manufactured to withstand overpressure from a potential explosion and is equipped with an explosion relief panel. The harmful effects of an explosion are minimized by venting the overpressure and flame propagation via the relief panel to a safe area. The dust collector is fully earth bonded in all modular components. All electric equipment is EX classified for combustible dust. Options are available for the collected dust from either a standard 70L (18 gal) collection bin complete with bin balance kit to allow the use of conductive plastic sack for ease of removal of the collected dust or fully automatic empty device with fully conductive bulk bag with earth cables for larger installations. A control filter comes as standard to allow the use of non-EX rated vacuum units.

Permitted materials

It is of outmost importance to know the properties of the extracted material. The FlexFilter EX is intended to be a part of an extraction system collecting material with the following properties:

- Dust explosion class: St1 and St2

- Pmax: ≤10 bar

- MIE (Minimum Ignition Energy) > 1 mJ

- MIT (Minimum Ignition Temperature) > 205 °C

Product marking

The FlexFilter EX is ATEX classified according to directive 2014/34/EU and marked:

II 3D Ex h IIIC T130°C Dc
-10°C≤Ta≤40°C
Nederman 19.HB01X

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FlexFilter EX

Certifications	CE, EX
Standard	2014/34/EC
Installation	Outdoor
Material	Sheet metal
Suitable for combustible dust	True
Filter cleaning method	Reverse air pulse
Application	Dust, Granulate, Grit, Fumes
Dustbin volume (l)	70 l (not for high Stand)
Filter Area (m²)	12 (per filter)
Capacity (max airflow m3/h)	1600 (per filter)

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Models

	Item no	Filter type	Number of filter elements	Filter material	Weight (kg)
	40118943	[bag]	1	Conductive (<10^8 Ω) polyester. Class M according to EN 60335-2-69	255
	40118983	[bag]	2	Conductive (<10^8 Ω) polyester. Class M according to EN 60335-2-69	485
	40118942	[bag]	1	Conductive (<10^8 Ω) polyester. Class M according to EN 60335-2-69	450
	40118982	[bag]	2	Conductive (<10^8 Ω) polyester. Class M according to EN 60335-2-69	850

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Accessories

	Accessory	Item no
	Deflector for relief panel 220x540	40376771
	Deflector	40375004
	Legs Twin Extra High	40375242
	Legs Twin High	40375243
	Legs Single Extra High	40375244
	Service platform for FF EX TWIN	40375246
	Service platform for FF. EX Single	40375247
	Ladder for Service platform FF EX	40375248
	Connection kit for Serv. pltf FF EX	40375249
	Twin RF Kit	40375259
	Flanged pipe d150, 0,5m	40376525
	Flanged pipe Ø 150, 1 m	40375263
	Flanged pipe dia 200mm, length 0,5m	40376516

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Accessories

	Accessory	Item no
	Flanged bend 45° Ø 150	40376770
	Flanged bend 90° Ø 150	40375264
	BigBag PP Type C, 25 pcs	40375271
	Diff.pressure switch 3-15 kPa NC	40375273
	BLI EX	40375269
	Fire alarm complete. Activated when the temperature exeeds +140 Deg. C.	40116540
	Plastic Bag 730x900 Dissipative,20p	40118800
	Flanged trans.pipe0,2m DN200 B-Flap	40376974
	Adapter flange/flange DN200 B-Flap	40376977
	Premium HVCP control panel 55kW - Y/D, ELC-HVCP-EY100-550	73009400
	Premium HVCP control panel 37kW - Y/D, ELC-HVCP-EY100-370-IoT	73008345
	Premium HVCP control panel 45kW - Y/D, ELC-HVCP-EY100-450-IoT	73008347
	Premium HVCP control panel 45kW - Y/D, ELC-HVCP-EY100-450	73008346

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Accessories

	Accessory	Item no
	Premium HVCP control panel 37kW - Y/D, ELC-HVCP-EY100-370	73008344

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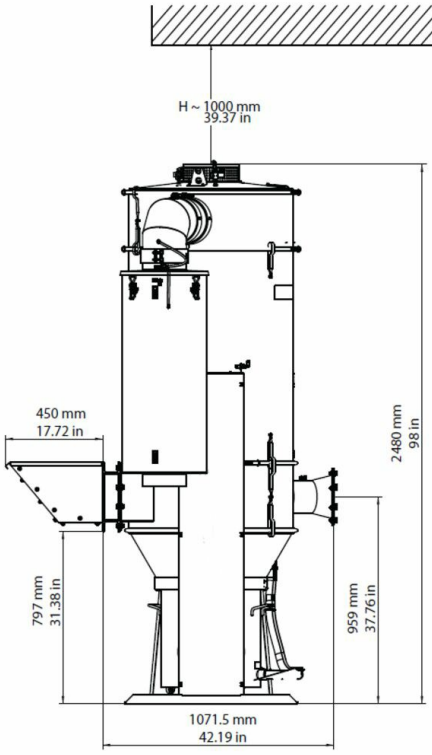
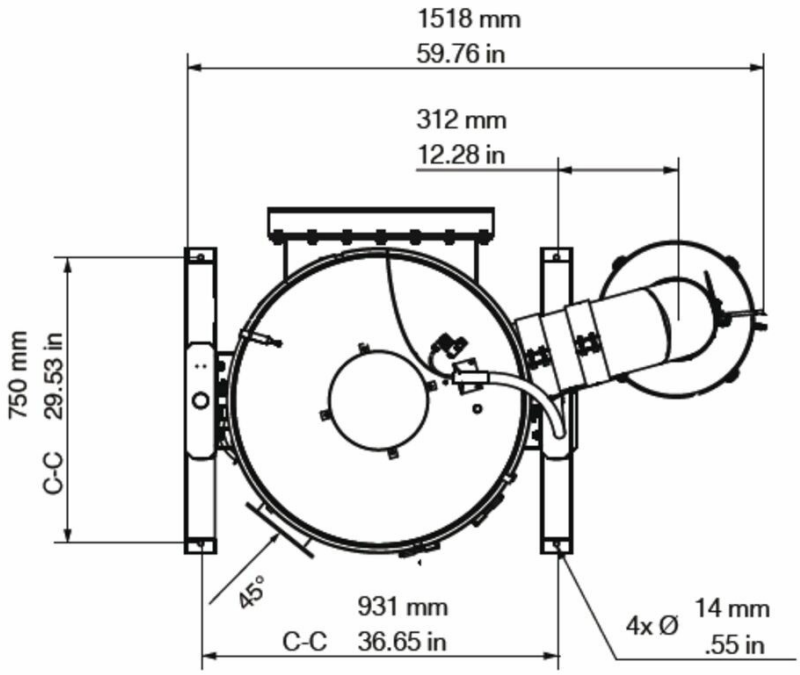


FlexFilter Single & Twin Low Stand



FlexFilter Single Low Stand

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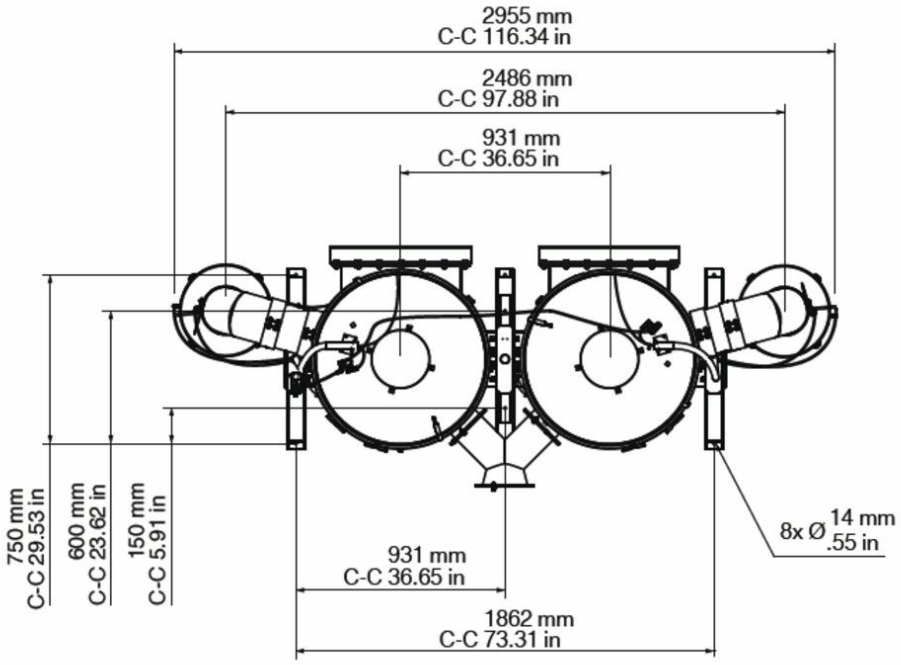
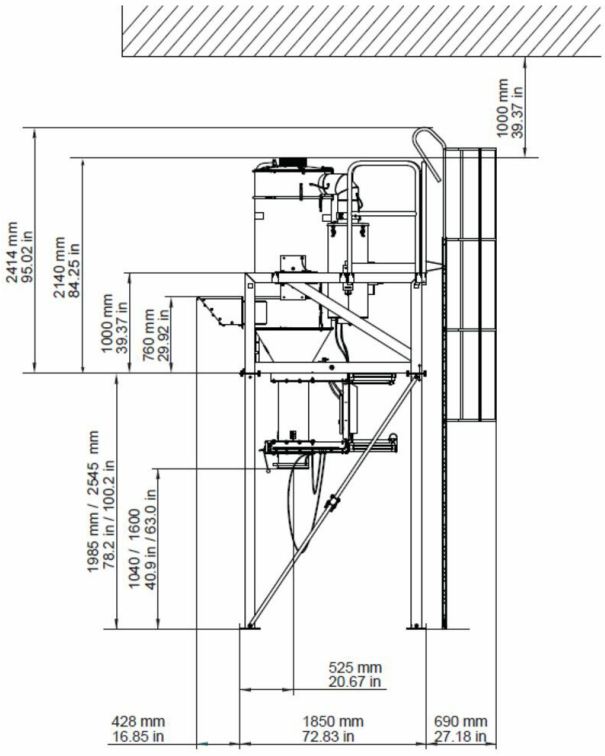


FlexFilter Twin Low Stand



FlexFilter Single and Twin High Stand

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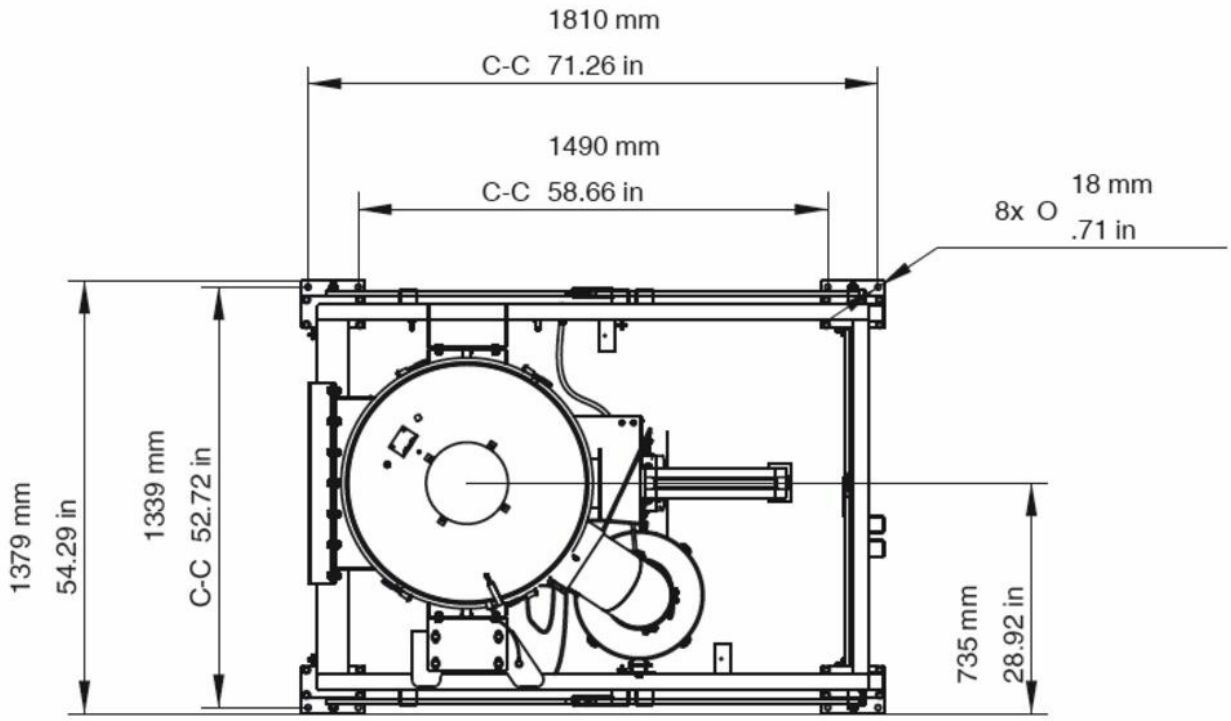
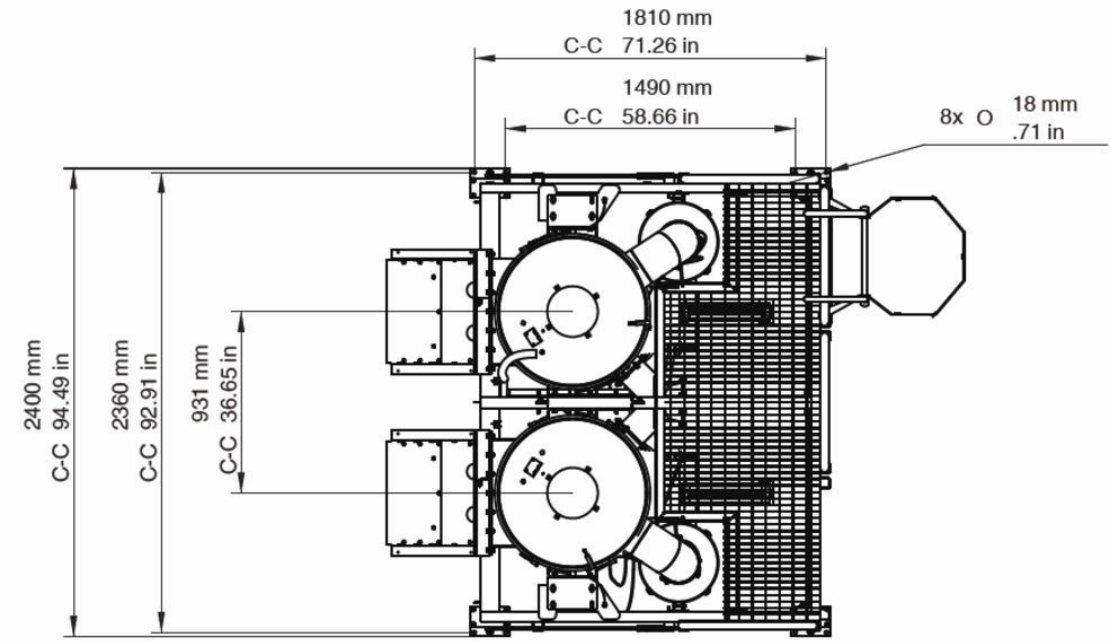


FlexFilter Single High Stand



FlexFilter Twin High Stand

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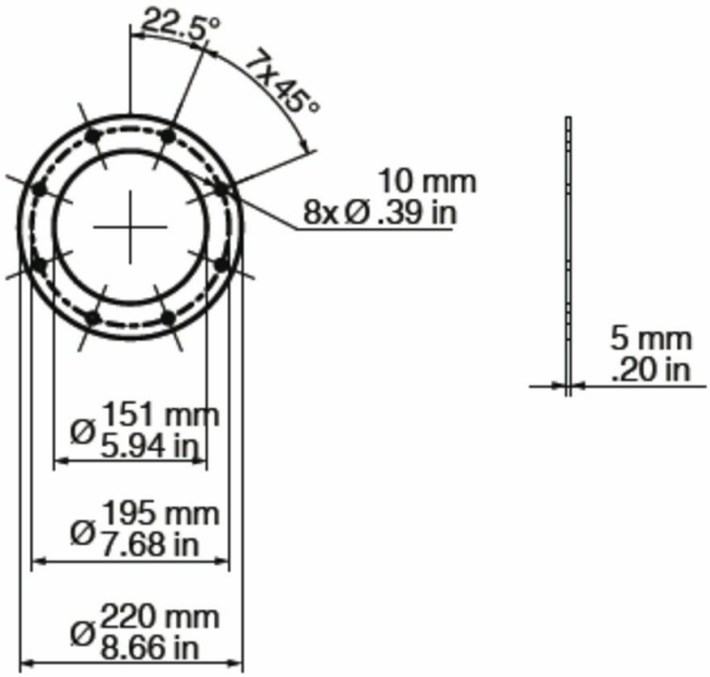
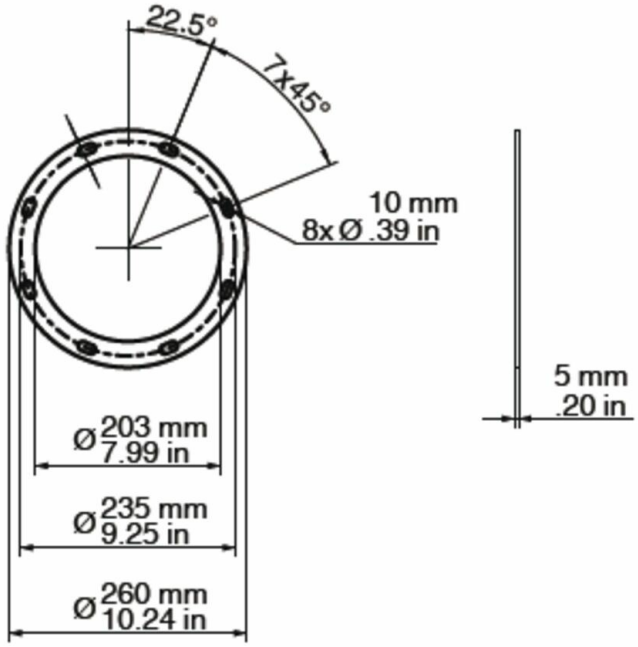


FlexFilter Inlet Single Low & High Stand



FlexFilter Inlet Twin Low & High Stand

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