

FlexFilter EX

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



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 III C T130°C Dc





$-10^{\circ}\text{C} \leq T_a \leq 40^{\circ}\text{C}$

Nederman 19.HB01X













FlexFilter EX

[ProductCertifications]	[ce], [ex]
[ProductStandards]	2014/34/EC
[ProductInstallation]	[Outdoor]
Material	Sheet metal
[ProductSuitableForCombustableDust]	True
Filter cleaning method	[ReverseAirPulse]
Application	[dust], [granulate], [grit], [fumes]
Dustbin volume (l)	70 l (not for high Stand)
[ProductFilterArea]	12 (per filter)
Capacity (max airflow m ³ /h)	1600 (per filter)











Models

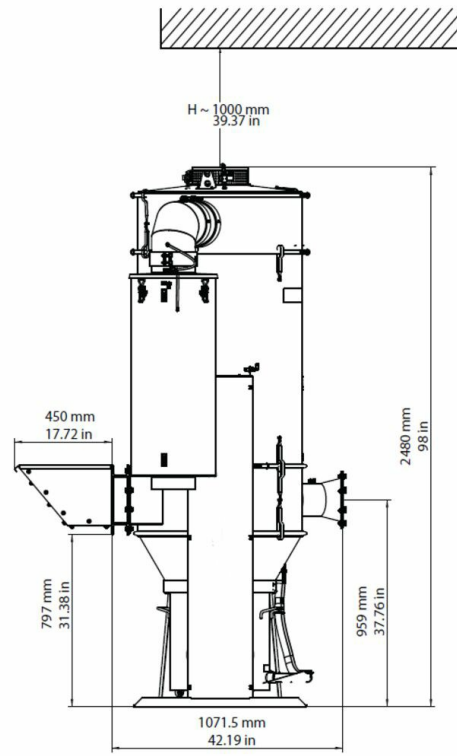
	Item no	Filter type	Number of filter elements	Weight (kg)
	40118943	[bag]	1	255
	40118983	[bag]	2	485
	40118942	[bag]	1	450
	40118982	[bag]	2	850

Accessories

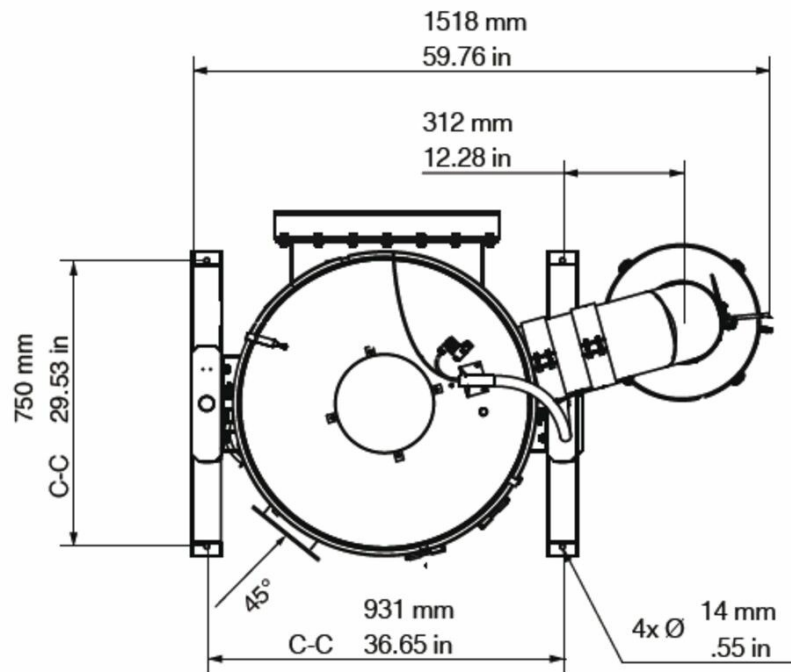
	Accessory	Item no
	Explosion valve deflector, sized 220x540mm (8.66x21.26 inches), designed to reduce the designated safe area.	40376771
	Deflector	40375004
	Legs Twin Extra High	40375242
	Legs Twin High	40375243
	Legs Single Extra High	40375244
	Legs Single High	40375245
	Service platform for FF EX 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

Accessories

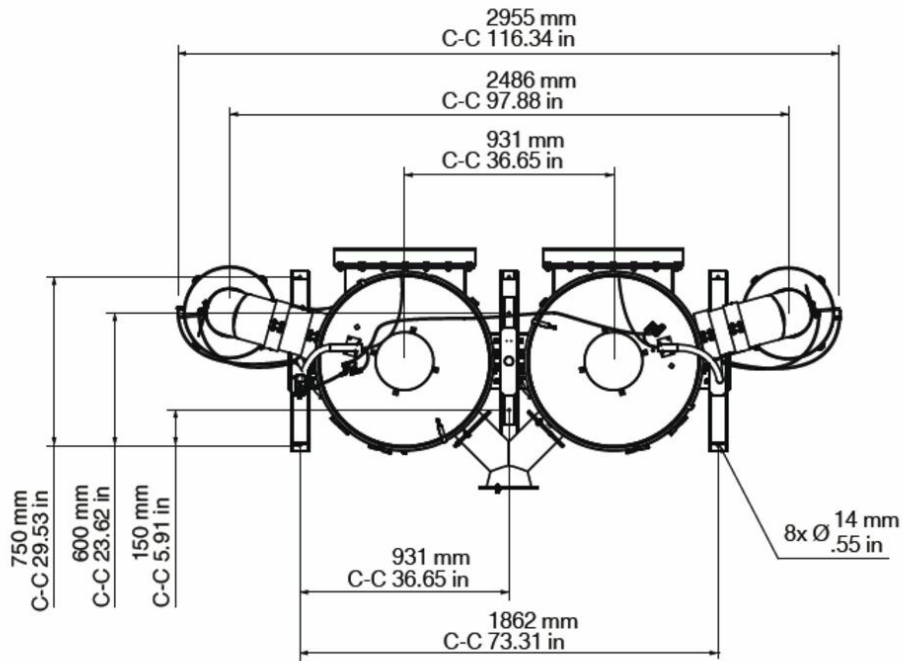
	Accessory	Item no
	Flanged pipe dia 200mm, length 0,5m	40376516
	Flanged bend 45° Ø 150	40376770
	Flanged bend 90° Ø 150	40375264
	BigBag PP Type C, 25 pcs	40375271
	Diff. pressure switch 3-15 kPa NC	40375273
	ATEX-approved bin level indicator providing safe monitoring in hazardous environments with detailed user manual instructions.	40375269
	Overheat indication via a melting fuse providing safety alerts if the unit overheats while not running but still having power. If placed in EX zone, intrinsic safe circuit is required.	40116540
	Replacement plastic Bag 730x900, 20pcs, in dissipative material for EX applications	40118800
	Flanged trans. pipe 0,2m DN200 B-Flap	40376974
	Adapter flange/flange DN200 B-Flap	40376977



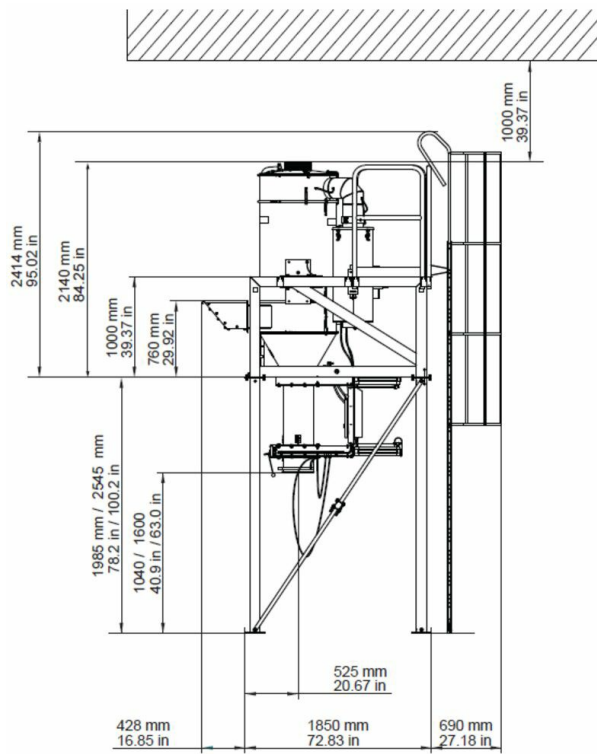
FlexFilter Single & Twin Low Stand



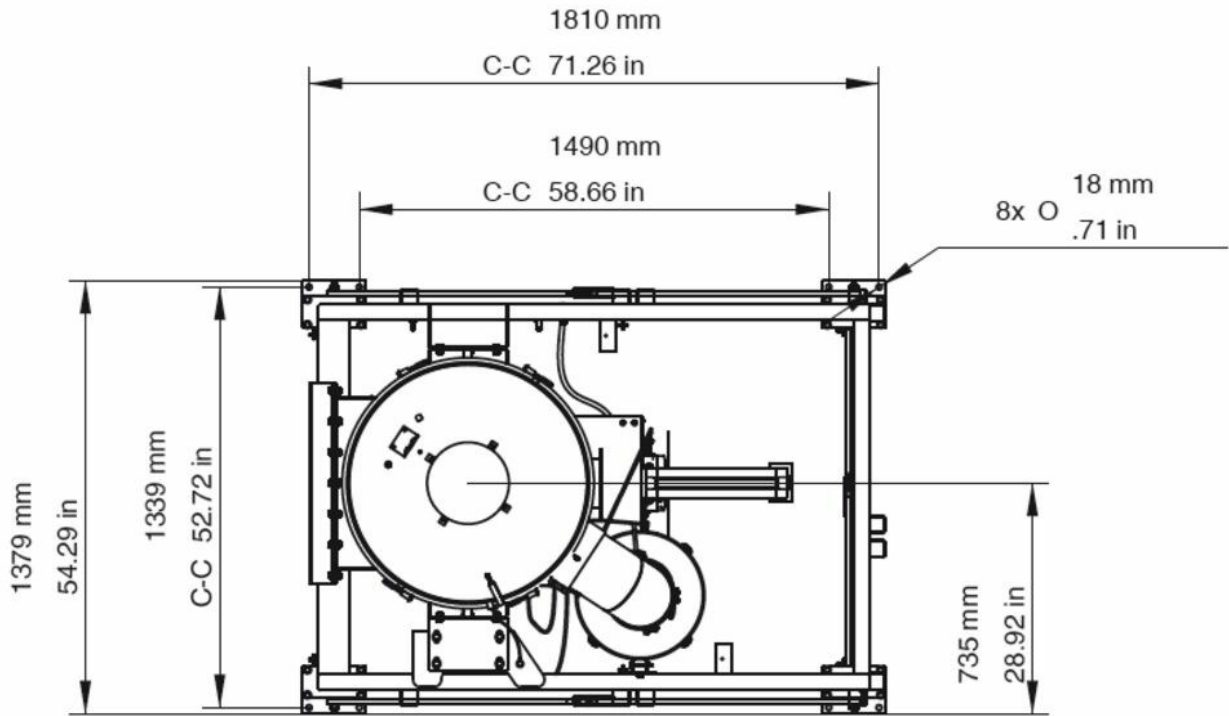
FlexFilter Single Low Stand



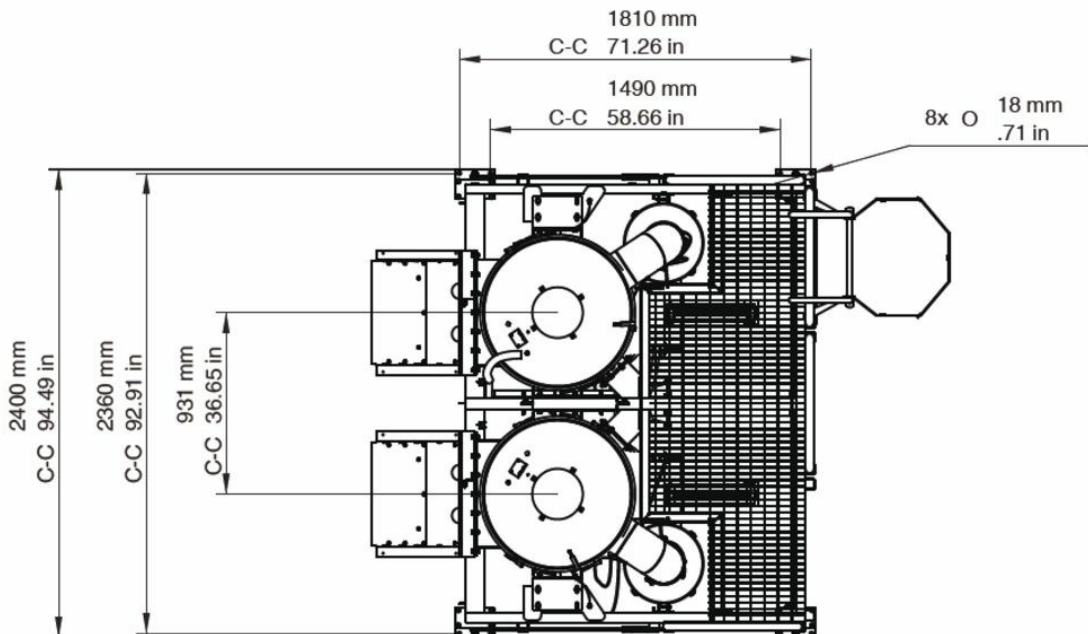
FlexFilter Twin Low Stand



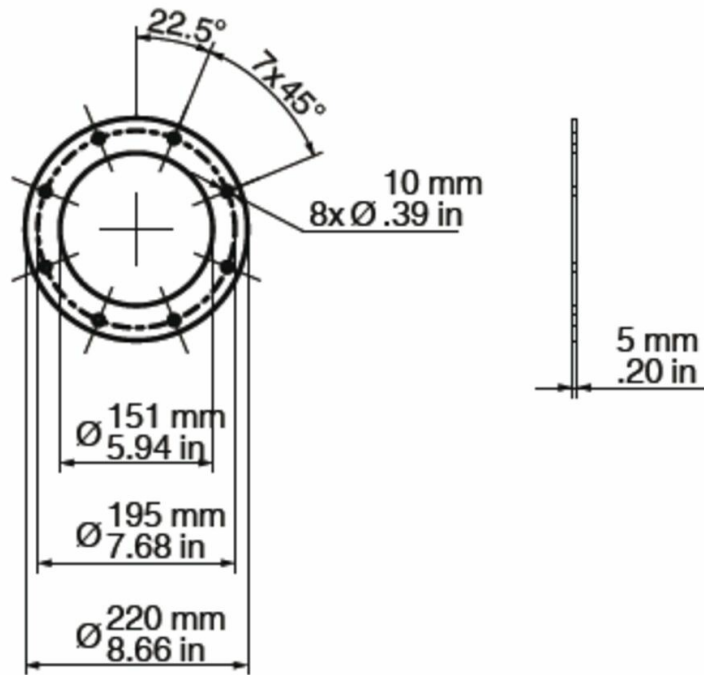
FlexFilter Single & Twin High Stand



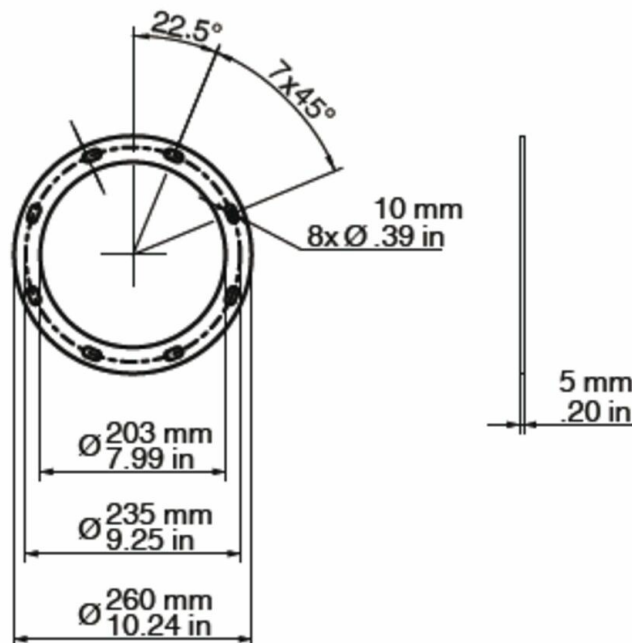
FlexFilter Single High Stand



FlexFilter Twin High Stand



FlexFilter Inlet Single Low & High Stand



FlexFilter Inlet Twin Low & High Stand