

ATEX RANGE

VCX

ATEX



The European Union adopted two European directives in regard to health and safety, known as ATEX 2014/34/UE (also ATEX 114) and ATEX 99/92/CE (also ATEX 137 or ATEX 153), concerning the risk of the existence of potentially explosive atmospheres.

2014/34/EU for the regulation of those devices to be used in zones where a risk of explosion exists; the directive points at those manufacturers of equipment intended for use in areas with potentially explosive atmospheres and at an obligation to certify these products; Directive 94/9/CE was cancelled and replaced effectively from 20 April 2016;

99/92/CE for the workers safety and health in explosive atmospheres; it is applied to those environments where a risk of explosion exists, where installations and certified tooling is used and it is consequently addressed to the users.



ATEX ZONES CLASSIFICATION



EXPLOSION PENTAGON

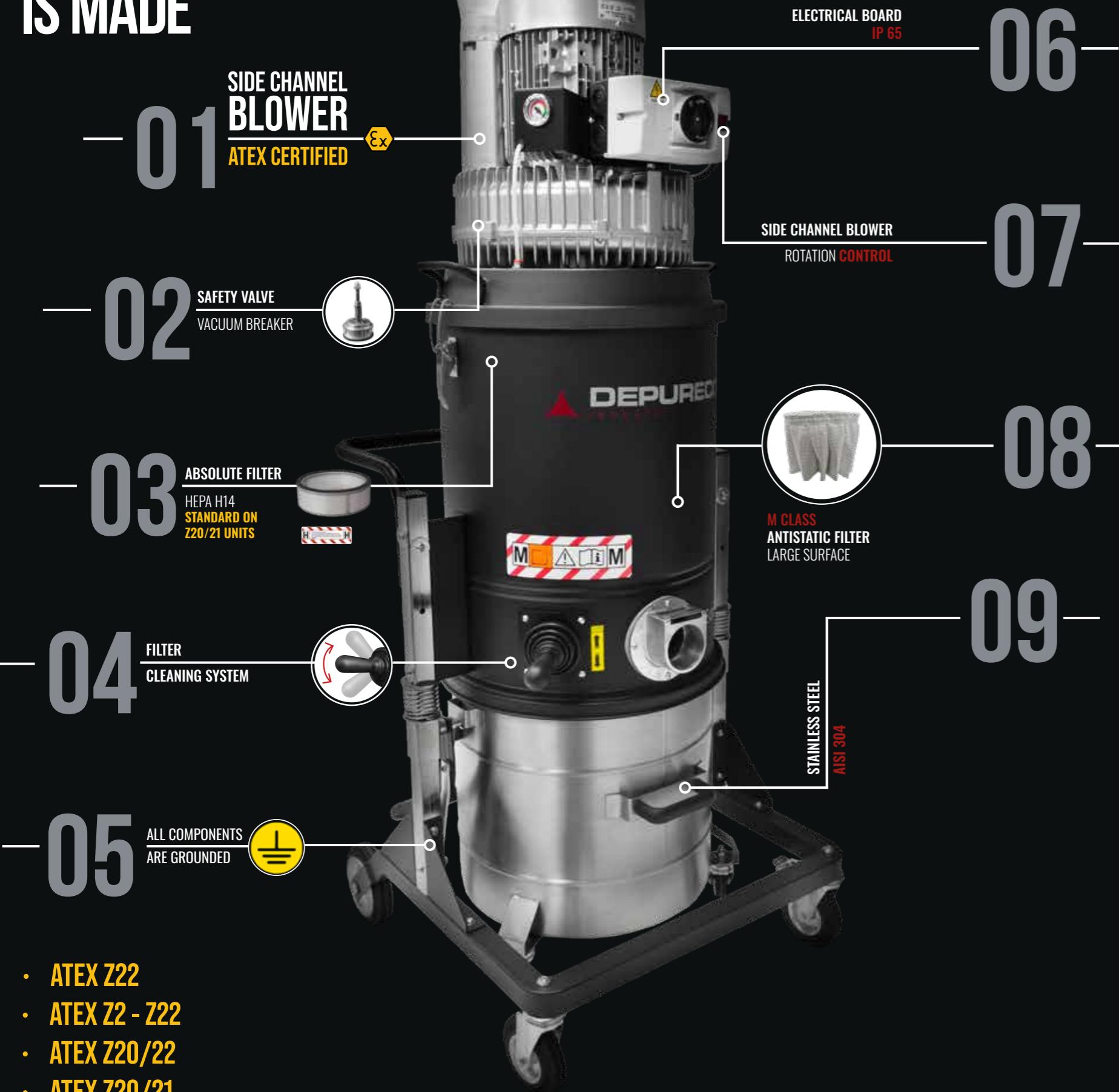
Just like the fire triangle, that represents the flammability conditions (and of consequent explosion), for liquid and gaseous combustibles, it is common to refer to "the explosion pentagon" when it comes to dusts as well as gases, vapours and mists.

The five conditions represented in the pentagon of the explosions, and necessary to create the conditions for an explosion are:

1. PRESENCE OF COMBUSTIBLE DUST
2. PRESENCE OF A COMBUSTION AGENT IN THE ENVIRONMENT
3. PRESENCE OF AN IGNITION SOURCE
4. DELIMITED ENVIRONMENT
5. MIXING OF REAGENTS



HOW A DEPURECO ATEX VACUUM IS MADE



SUITABLE ACCESSORIES FOR ATEX APPLICATIONS

AN ACCESSORY, TO BE USED IN AN ATEX CLASSIFIED ENVIRONMENT, MUST BE ABLE TO ELECTRICALLY CONDUCT ALL ELECTROSTATIC CHARGES THAT MAY ARISE DURING THE SUCTION PROCESS. THE RESISTIVITY, EXPRESSED IN 10Ω , OF THE MATERIALS USED IN THE ACCESSORIES CHARACTERIZES THEIR ABILITY TO DISCHARGE ELECTROSTATIC ENERGY.

FLEXIBLE TUBES



ELECTROCONDUCTIVE "EVA" Ø 40 - Ø 50 MM

Made of permanent electroconductive material $\leq 10 \Omega$ Ohm / meter. Lightweight, extremely flexible even at low temperatures. Resistant to hydrolysis, microbiotic attacks and UV rays



ANTISTATIC POLYURETHANE Ø 40 - Ø 50 - Ø 70 - Ø 100 MM

Made of antistatic polyurethane with copper helicoid $\leq 10 \Omega$ Ohm / meter, in accordance with ATEX 2014/34 / EU (1999/92 / EC). Its resistance makes it ideal for applications in the ATEX area, where the material to be vacuumed is abrasive and / or aggressive.

ANTISTATIC ACCESSORIES



"S" HANDGRIP FOR FLOOR BRUSH

STURDY METAL "S" PIPE FOR 70 MM DIAMETER FLOOR BRUSH.



PROBE PIPE WITH HANDLE

GALVANISED STEEL SUCTION PIPE 50 MM DIAMETER.



EXTENSION PIPE WITH HANDLE

70 MM DIAMETER PROBE PIPE WITH INNER LINER FOR THE PASSAGE OF THE AIR. USEFUL FOR VACUUMING PILES OF MATERIAL.



SCRAPING SUCTION PIPE

GALVANISED STEEL SCRAPING SUCTION PIPE 40 - 50MM Ø.



RUBBER BRUSH WITH ANTISTATIC BRASS BRISTLES STRIPS

ROUND SUCTION BRUSH WITH BRASS BRISTLES FOR 40 - 50MM Ø DIAMETER. FLEXIBLE HOSE. CONDUCTIVE ACCESSORY. CONVENIENT FOR A USE WITH ATEX INDUSTRIAL VACUUMS.



BRUSH WITH ANTISTATIC BRASS BRISTLES STRIPS

ROUND SUCTION BRUSH WITH BRASS BRISTLES FOR 40 - 50MM Ø FLEXIBLE HOSE. CONDUCTIVE ACCESSORY. CONVENIENT FOR USE WITH ATEX INDUSTRIAL VACUUMS.



ANTISTATIC RUBBER CONIC SECTION WITH METAL FITTING

ANTISTATIC CONIC SECTION WITH METAL FITTING FOR 40 - 50 - 70 MM Ø FLEXIBLE HOSE.



ANTISTATIC RUBBER FLAT PIPE WITH METAL FITTING

SUCTION CUP IN SPECIAL OIL-PROOF RUBBER, CARBON-LOADED AND THEREFORE CONDUCTIVE. SUITABLE FOR WORKING WITH ATEX CERTIFIED MACHINES. 40 - 50MM Ø FLEXIBLE HOSE FITTING.



ANTISTATIC RUBBER CONIC BEND WITH METAL FITTING

SUCTION CUP IN SPECIAL OIL-PROOF RUBBER, CARBON-LOADED AND THEREFORE CONDUCTIVE. SUITABLE FOR WORKING WITH ATEX CERTIFIED MACHINES. 40 - 50MM Ø FLEXIBLE HOSE FITTING.



ANTISTATIC SWEEPER NOZZLE WITH METAL FITTING

SUCTION CUP IN SPECIAL OIL-PROOF RUBBER, CARBON-LOADED AND THEREFORE CONDUCTIVE. SUITABLE FOR WORKING WITH ATEX CERTIFIED MACHINES. 40 - 50MM Ø FLEXIBLE HOSE FITTING.

MORE THAN 40 MODELS IN OUR ATEX RANGE

- Brushless compact units
- Threephase mobile vacuums
- Dust collectors
- Industrial vacuum solutions for additive manufacturing
- Compressed air powered vacuums
- Centralized vacuum systems



BL PRO ATEX Z22

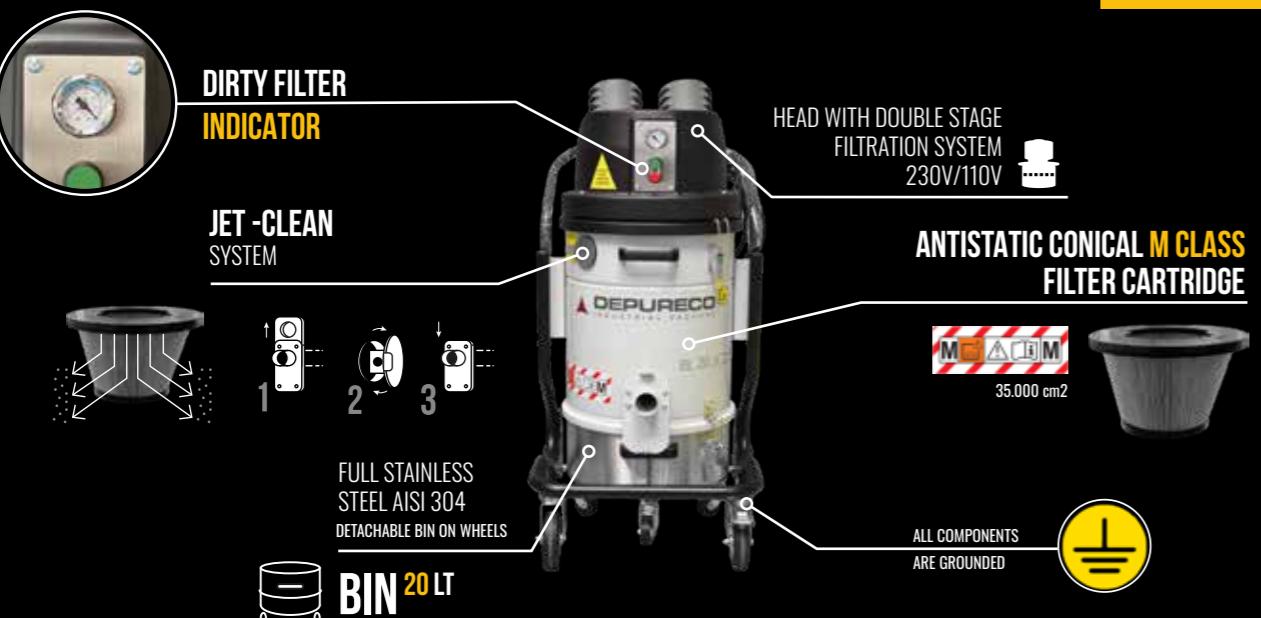
CHARACTERISTICS



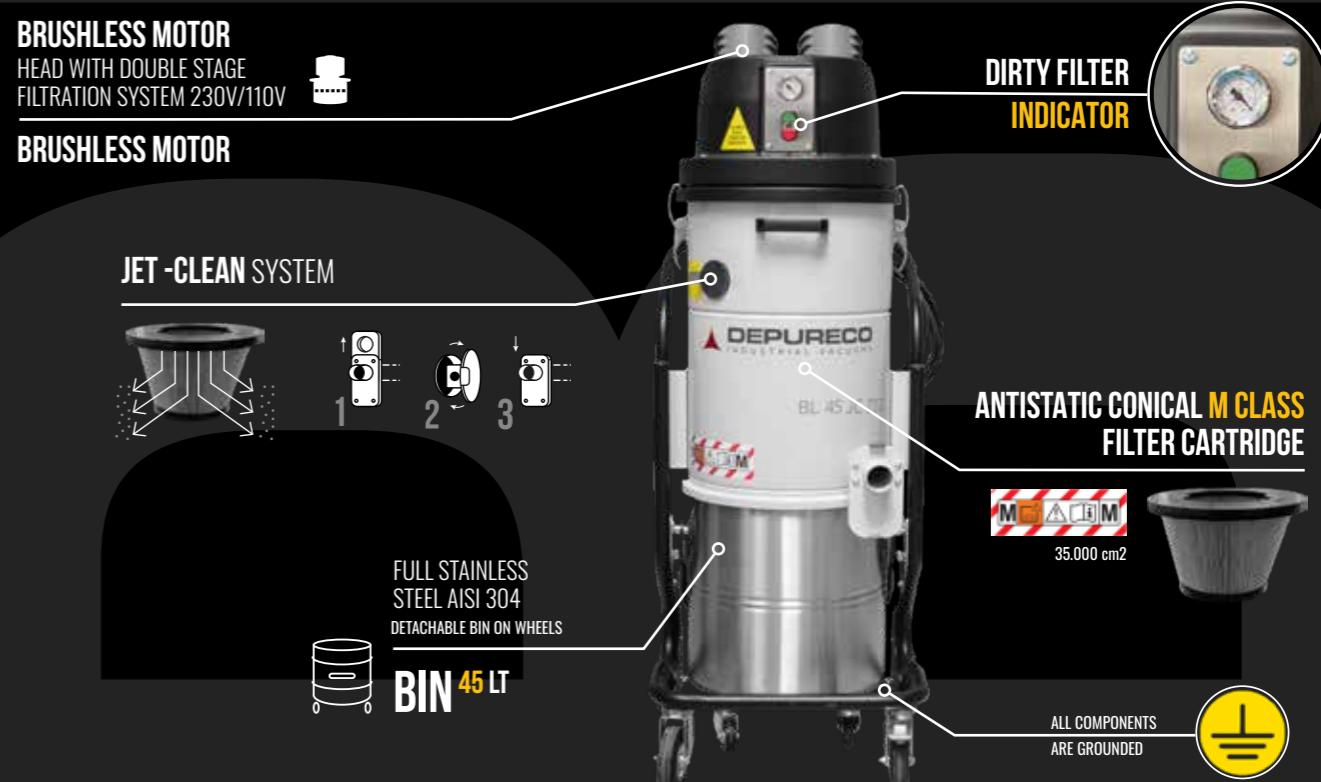
BL 45 Z22 II3D



BL 20 JC Z22 II3D



BL 45 JC Z22 II3D



BL TECHNICAL DATA

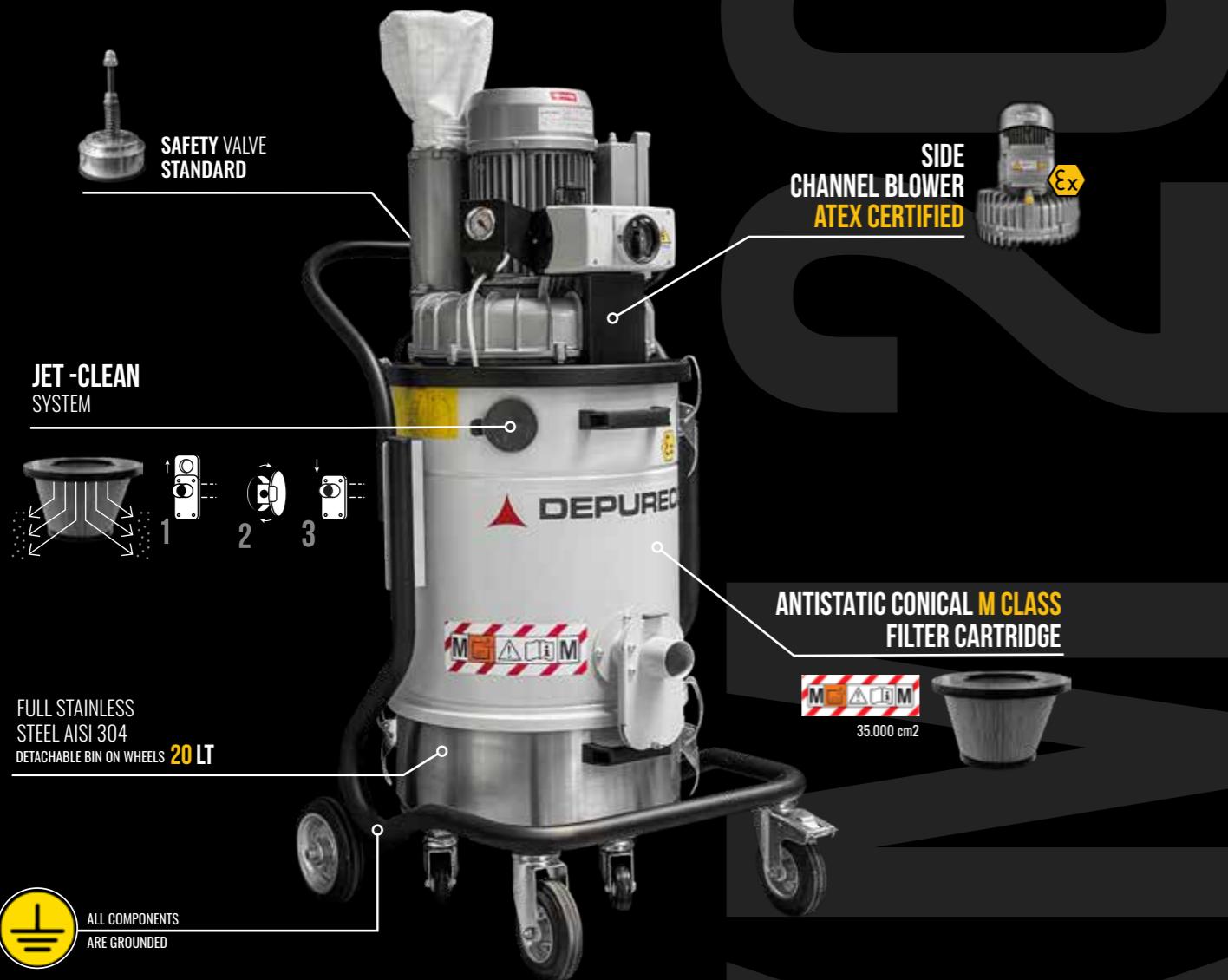
From 1,1 Kw
POWER

From 6.000 cm² to 35.000 cm²
SURFACE

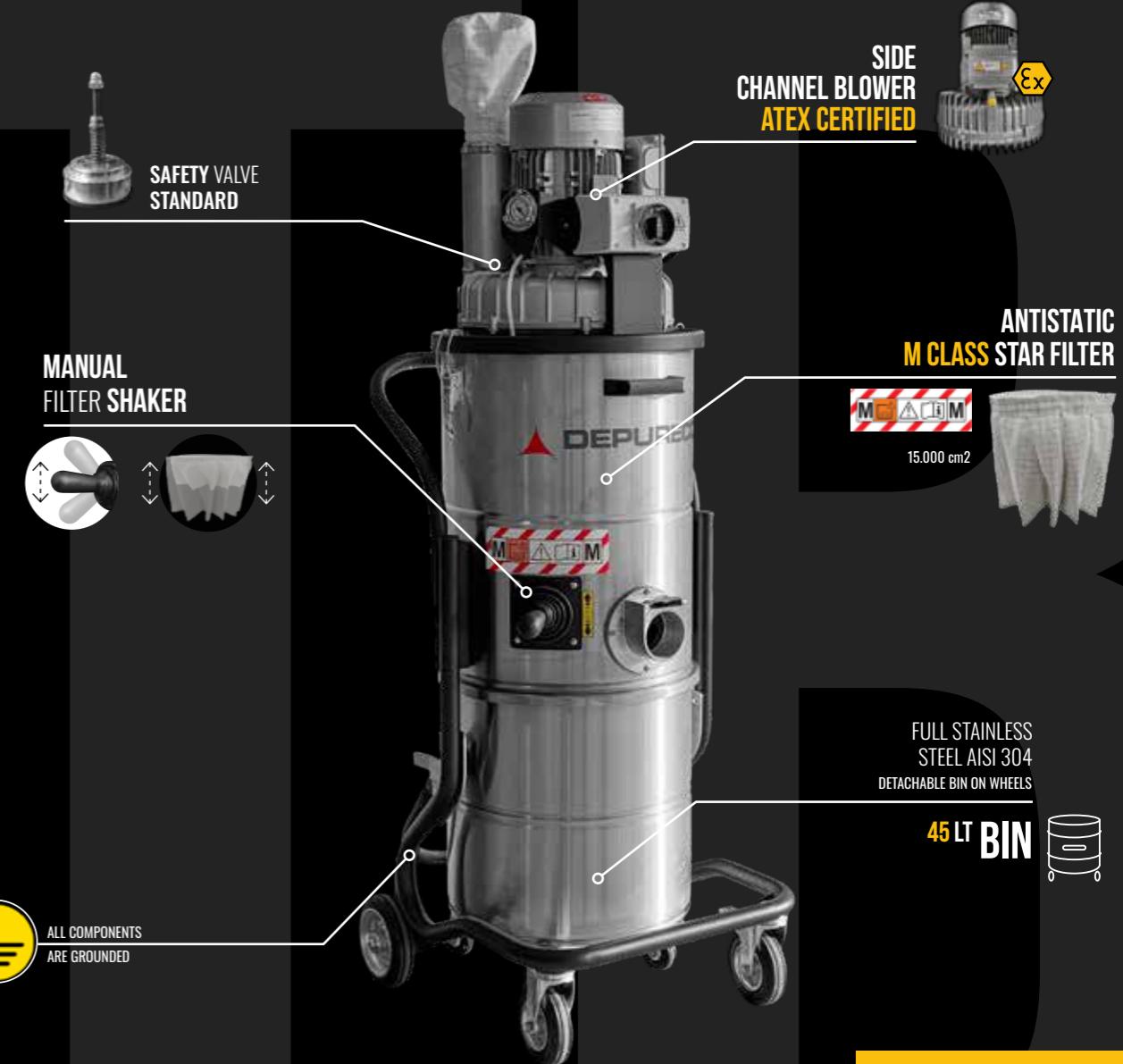
From 20 Lt to 45 Lt
CAPACITY

		BL PRO ATEX Z22	BL 20 JC Z22 II3D	BL 45 Z22 II3D	BL 45 JC Z22 II3D
POWER	kW - HP	1~ 1,1 - 1,5	1~ 1,1 - 1,5	1~ 1,1 - 1,5	1~ 1,1 - 1,5
MAXIMUM VACUUM	mBar	230	230	230	230
MAXIMUM AIR FLOW	m³/h	220	220	220	220
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester	Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm²	6.000	35.000	15.000	35.000
BIN CAPACITY	Lt	45	20	45	45
ATEX MARKING	Ex	II 3 D Ex htc IIIB T140°C Dc	II 3 D Ex htc IIIB T140°C Dc	II 3 D Ex htc IIIB T140°C Dc	II 3 D Ex htc IIIB T140°C Dc

CHARACTERISTICS



CHARACTERISTICS



TB Z22

XM20 TECHNICAL DATA



From 1,8 Kw

From 35.000 Cm²

From 20 to 45 Lt

TB TECHNICAL DATA



From 1,8 Kw to 2,2 Kw

15.000 Cm²

45 Lt

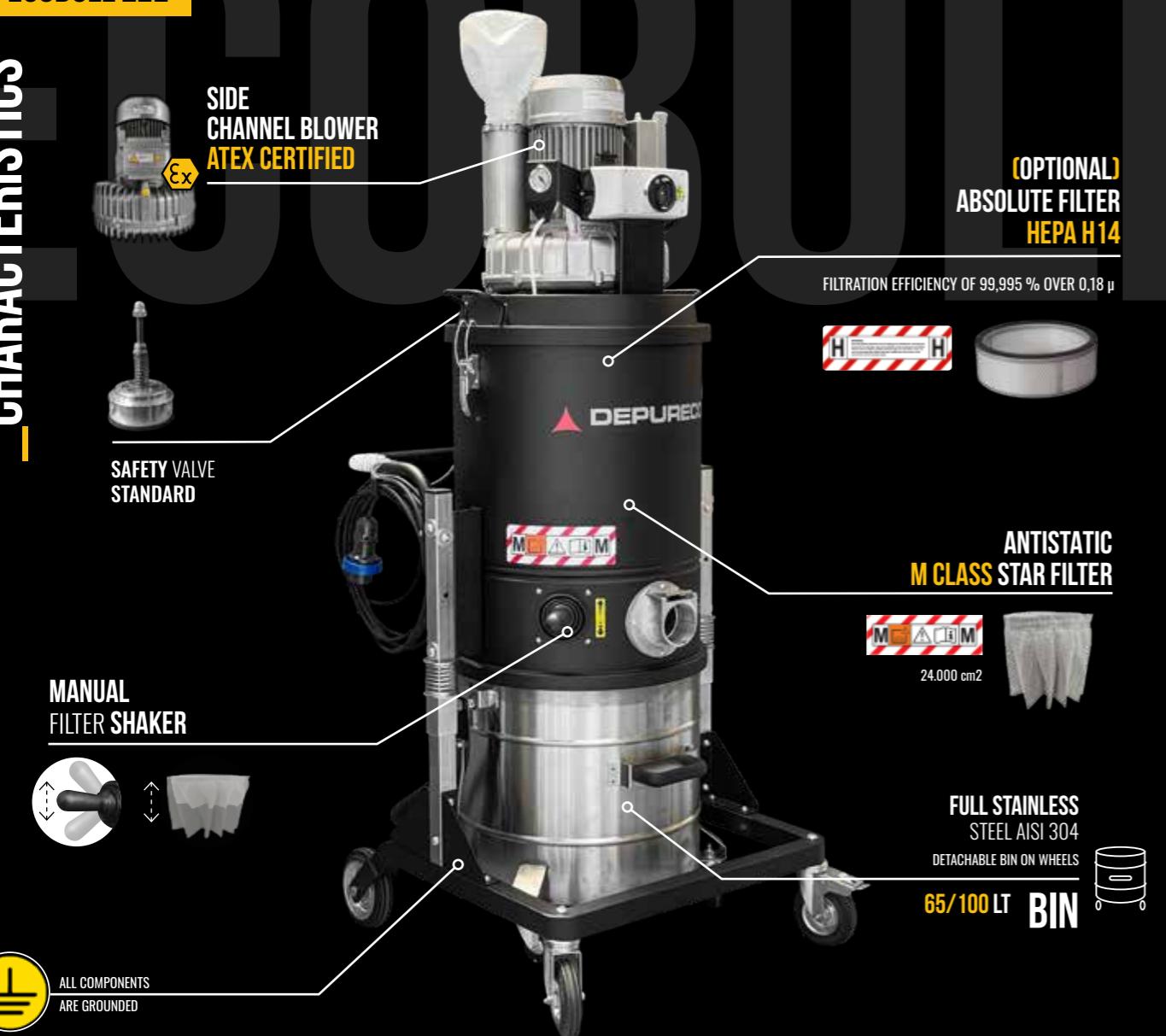
		XMT M Z22 II3GD	XMT T Z22 II3GD
POWER	kW - HP	1~ 1,8 - 2,4	3~ 1,8 - 2,4
MAXIMUM VACUUM	mBar	230	230
VACUUM IN CONTINUOUS	mBar	180	180
MAXIMUM AIR FLOW	m ³ /h	280	280
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	35.000	35.000
BIN CAPACITY	Lt	20	45
ATEX MARKING	Ex	II 3 D Ex htc IIIB T140°C GC/Dc	II 3 D Ex htc IIIB T140°C GC/Dc

		TB M Z22 II3D	TB T Z22	TB PLUS Z22
POWER	kW - HP	1~ 1,8 - 2,4	3~ 1,8 - 2,4	3~ 2,2 - 3
MAXIMUM VACUUM	mBar	230	230	250
VACUUM IN CONTINUOUS	mBar	180	180	200
MAXIMUM AIR FLOW	m ³ /h	280	280	270
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	15.000	15.000	15.000
BIN CAPACITY	Lt	45	45	45
ATEX MARKING	Ex	II 3 D Ex htc IIIB T140°C Dc	II 3 D Ex htc IIIB T140°C Dc	II 3 D Ex htc IIIB T140°C Dc



ECOBULL Z22

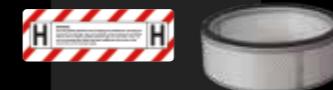
CHARACTERISTICS



CHARACTERISTICS

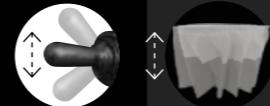
[OPTIONAL] ABSOLUTE FILTER HEPA H14

FILTRATION EFFICIENCY OF 99.995 % OVER 0.18 μ



SIDE CHANNEL BLOWER ATEX CERTIFIED

MANUAL FILTER SHAKER



ALL COMPONENTS
ARE GROUNDED



ANTISTATIC M CLASS STAR FILTER



24.000 cm²

TANGENTIAL INLET WITH CYCLONE SYSTEM

FULL STAINLESS STEEL AISI 304

DETACHABLE BIN ON WHEELS

100 LT BIN

TX ATEX Z22

ECOBULL TECHNICAL DATA

	From 1.8 Kw to 4 Kw	From 24.000 Cm ²	65/100 Lt
POWER	POWER	SURFACE	CAPACITY
MAXIMUM VACUUM	mBar	230	270
VACUUM IN CONTINUOUS	mBar	180	240
MAXIMUM AIR FLOW	m ³ /h	280	350
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	24.000	24.000
BIN CAPACITY	Lt	65/100	65/100
ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc

TX TECHNICAL DATA

	From 3 Kw to 7.5 Kw	From 24.000 Cm ²	100 Lt
POWER	POWER	SURFACE	CAPACITY
MAXIMUM VACUUM	mBar	270	310
VACUUM IN CONTINUOUS	mBar	240	230
MAXIMUM AIR FLOW	m ³ /h	350	450
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	24.000	24.000
BIN CAPACITY	Lt	100	100
ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 D Ex htc IIIB T140°C Gc/Dc

OPTIONAL



Sp SYSTEM

AUTOMATIC
REVERSE
JET CLEANING
SYSTEM

	ECOBULL M Z22 II3D	ECOBULL T Z22 II3D	ECOBULL PLUS Z22 AM		TX 300 Z22 II3GD	TX 400 Z22 II3GD	TX 550 P Z22 II3GD	TX 550 S Z22 II3GD
POWER	kW - HP	1~ 1,8 - 2,4	3~ 3 - 4	3~ 4 - 5,5	POWER	kW - HP	3~ 3 - 4	3~ 4 - 5,5
MAXIMUM VACUUM	mBar	230	270	310	MAXIMUM VACUUM	mBar	270	310
VACUUM IN CONTINUOUS	mBar	180	240	230	VACUUM IN CONTINUOUS	mBar	240	230
MAXIMUM AIR FLOW	m ³ /h	280	350	450	MAXIMUM AIR FLOW	m ³ /h	350	450
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester	Antistatic Polyester	FILTER MEDIA		Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	24.000	24.000	24.000	SURFACE AREA	cm ²	24.000	24.000
BIN CAPACITY	Lt	65/100	65/100	65/100	BIN CAPACITY	Lt	100	100
ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 D Ex htc IIIB T140°C Gc/Dc	ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 D Ex htc IIIB T140°C Gc/Dc



ECOBULL Z22 ADDITIVE MANUFACTURING

CHARACTERISTICS



CHARACTERISTICS



FOX TS ATEX Z22

ECOBULL AM TECHNICAL DATA

WITH IMMERSION SEPARATION SYSTEM
FOR METAL DUST
ATEX UNIT IIIC CERTIFIED



From 1,8 Kw to 4 Kw
POWER



From 35.000 Cm²
SURFACE



65/100 Lt
CAPACITY

		ECOBULL M Z22 AM	ECOBULL T Z22 AM	ECOBULL PLUS Z22 AM
POWER	kW - HP	3~ 1,8 - 2,4	3~ 3 - 4	3~ 4 - 5,5
MAXIMUM VACUUM	mBar	230	270	310
VACUUM IN CONTINUOUS	mBar	180	240	230
MAXIMUM AIR FLOW	m ³ /h	280	350	450
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	35.000	35.000	35.000
BIN CAPACITY	Lt	65/100	65/100	65/100
ATEX MARKING	Ex	II 3GD Ex tD IIIC T 140°C Dc	II 3GD Ex tD IIIC T 140°C Dc	II 3D Ex tD IIIC T 140°C Dc

FOXTS TECHNICAL DATA



From 2,2 Kw to 4 Kw
POWER



From 15.000 Cm²
SURFACE



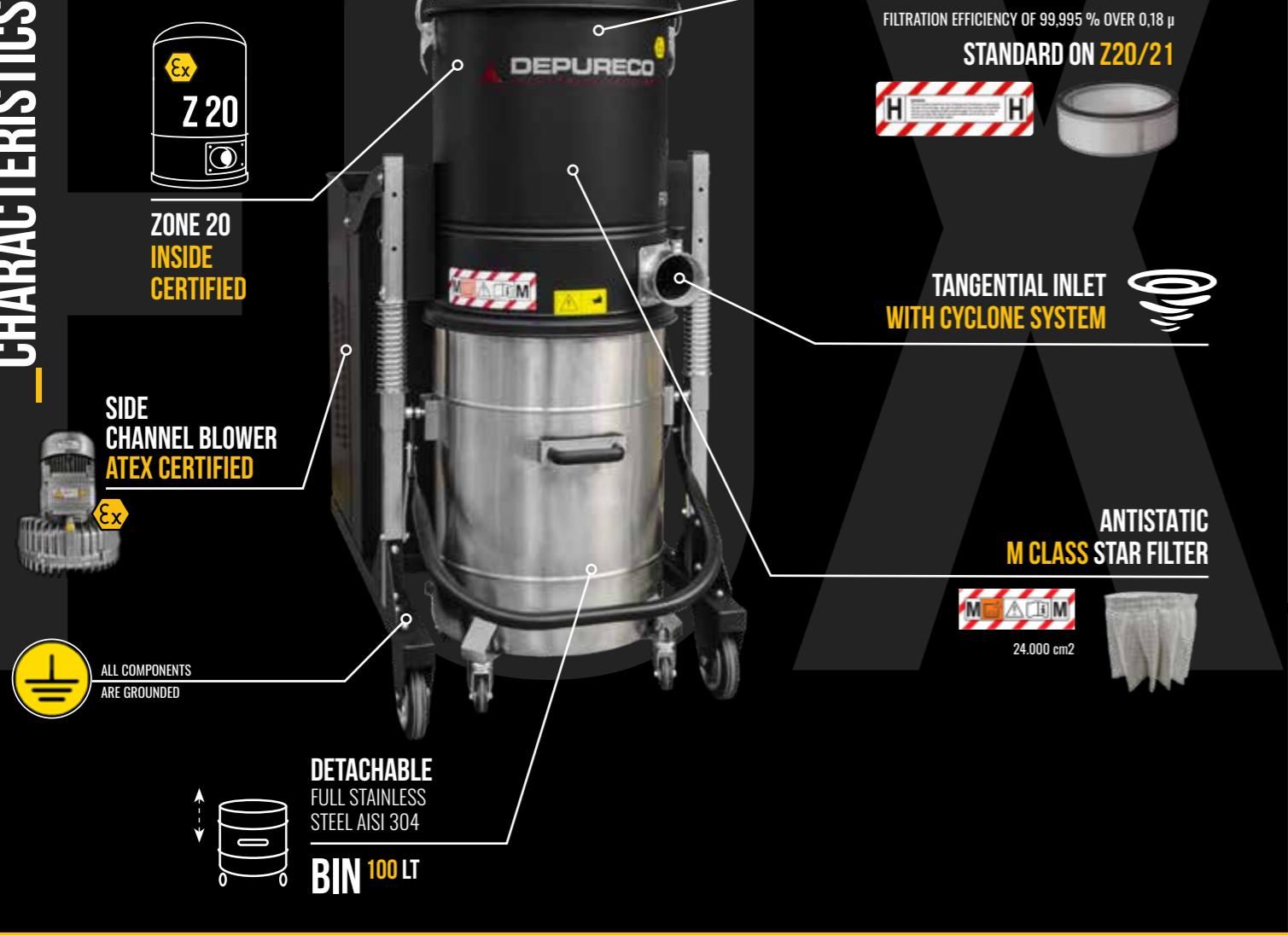
50 Lt
CAPACITY

		FOX TS 3 Z22 II3D	FOX TS 5,5 Z22 II3D
POWER	kW - HP	3~ 2,2 - 3	3~ 4 - 5,5
MAXIMUM VACUUM	mBar	250	310
VACUUM IN CONTINUOUS	mBar	200	230
MAXIMUM AIR FLOW	m ³ /h	270	450
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester
SURFACE AREA	cm ²	15.000	15.000
BIN CAPACITY	Lt	50	50
ATEX MARKING	Ex	II 3D Ex III CT 140°C Dc	II 3D Ex III CT 140°C Dc

CHARACTERISTICS

FOX ATEX Z20/22

FOX ATEX Z20/21



FOX TECHNICAL DATA



From 2,2 Kw to 7,5 Kw



From 24.000 Cm² to 90.000 Cm²



100 Lt

AUTOMATIC FILTER CLEANING SYSTEM



OPTIONAL

SP SYSTEM
IS MANAGED
BY AN ELECTRONIC
PROGRAMMER
INSTALLED ON BOARD

SP SYSTEM
AUTOMATIC
REVERSE
JET CLEANING
SYSTEM
90.000 CM²

PUMA ATEX Z20/22

PUMA ATEX Z20/21

CHARACTERISTICS



AUTOMATIC FILTER CLEANING SYSTEM



OPTIONAL



SP SYSTEM

AUTOMATIC REVERSE JET CLEANING SYSTEM
120.000 CM²

PUMA TECHNICAL DATA



From 7,5 Kw to 18,5 Kw



From 45.000 Cm² to 180.000 Cm²



175 Lt

		PUMA 10 Z22 II1/3D	PUMA 15 Z22 II1/3D	PUMA 20 Z22 II1/3D	PUMA 25 Z22 II1/3D	PUMA 30 P Z22 II1/3D	PUMA 30 S Z22 II1/3D	PUMA 10 Z21 II1/2D	PUMA 15 Z21 II1/2D	PUMA 20 Z21 II1/2D	PUMA 25 Z21 II1/2D	PUMA 30 P Z21 II1/2D	PUMA 30 S Z21 II1/2D
POWER	KW - HP	3~ 7,5 - 10	3~ 11 - 15	3~ 15 - 20	3~ 18,5 - 25	3~ 22 - 30	3~ 18,5 - 25	3~ 7,5 - 10	3~ 11 - 15	3~ 15 - 20	3~ 18,5 - 25	3~ 22 - 30	3~ 22 - 30
MAXIMUM VACUUM	mBar	310	390	420	350	240	550	310	390	420	350	240	550
VACUUM IN CONTINUOUS	mBar	280	300	350	270	200	380	270	300	350	270	170	380
MAXIMUM AIR FLOW	m ³ /h	700	920	920	1350	1985	1180	750	950	1350	1940	1180	
FILTER MEDIA		Antistatic Polyester											
SURFACE AREA	cm ²	45.000	45.000	45.000	45.000	180.000	180.000	45.000	45.000	45.000	45.000	180.000	180.000
BIN CAPACITY	Lt	175	175	175	175	175	175	175	175	175	175	175	175
ATEX MARKING	Ex	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/3 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc	II 1/2 D Ex htc IIIC T140°C Da/Dc

CHARACTERISTICS

MOBILE DUST COLLECTOR ATEX CERTIFIED



FILTER CLEANING SYSTEM

EFFICIENT & RELIABLE

Studied for shavings, granules and wet materials. Semi-automatic hand shaker system for star filter cleaning.



PSC

SEMAUTOMATIC PNEUMATIC FILTER SHAKER



SP

AUTOMATIC REVERSE JET CLEANING SYSTEM

THE SP SYSTEM IS PERFECT FOR BIG QUANTITIES OF FINE AND DIFFICULT DUSTS.

The SP system allows to keep the filter clean automatically without stopping the vacuum. Each filter is cleaned periodically with a compressed air jet.



ATEX CERTIFIED
STAINLESS STEEL SUCTION
ARM Ø 150MM/ L 3M

150mm diameter suction arm jointed in three parts for a total length of 3 metres. Construction in AISI 316 stainless steel, completely conductive and ATEX certified for working with certified vacuum cleaners and in ATEX classified environments. On request the ATEX arm can be supplied entirely in grade 316 stainless steel suitable for food, chemical and pharmaceutical industries.



DF

TECHNICAL DATA



From 0,75 Kw to 7,5 Kw
POWER



From 24.000 cm² to 45.000 cm²
SURFACE



From 65 Lt to 175 Lt
CAPACITY

		DF 075 Z22 II3GD	DF 22 Z22 II3GD	DF 40 Z22 II3GD	DF FIX 55 Z22 II3GD	DF FIX 75 Z22 II3GD
POWER	kW - HP	3~ 0,75 - 1	3~ 2,2 - 3	3~ 4 - 5,5	3~ 5,5 - 7,5	3~ 7,5 - 10
MAXIMUM VACUUM	mm/H ₂ O	180 160 130	352 350 350	370 340 270	480	575
STATIC INLET DEPRESSION	mm/H ₂ O	180 150 123	340 320 280	300 270 200	---	---
MAXIMUM AIR FLOW	m ³ /h	400 800 1000	800 1000 1400	1500 2100 2700	2700	3900
SUCTION INLET	mm Ø	100 120 150	100 120 150	150 180 200	200	200
FILTER MEDIA		Antistatic Polyester				
SURFACE AREA	cm ²	24.000	24.000	45.000	45.000	45.000
BIN CAPACITY	Lt	65/100	65/100	65	175	175
ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc	II 3 G/D Ex htc IIIB T140°C Gc/Dc

CHARACTERISTICS



MINI AIR ATEX Z22

CHARACTERISTICS



SWAN ATEX Z22

AC TECHNICAL DATA

500 MBAR
DEPRESSION



From 15.000 Cm² to 24.000 Cm²
SURFACE

65/100 Lt
CAPACITY

SWAN TECHNICAL DATA

2,2 kW
POWER



24.000 cm²
SURFACE

50 Lt
CAPACITY

		AC 65 Z22 II3GD	AC 100 Z22 II3GD	AC 65 Z21 IID	AC 100 Z21 IID	MINI AIR Z22 I 3GD
REQUIRED PRESSURE	Bar	3~ 6 - 8	3~ 6 - 8	3~ 6 - 8	3~ 6 - 8	3~ 6 - 8
MAXIMUM VACUUM	mBar	500	500	500	500	500
MAXIMUM AIR FLOW	m ³ /h	480	480	480	480	250
FILTER MEDIA		Antistatic Polyester	Antistatic Polyester	Antistatic Polyester	Antistatic Polyester	
SURFACE AREA	cm ²	24.000	24.000	24.000	24.000	15.000
BIN CAPACITY	Lt	65	100	65	100	45
ATEX MARKING	Ex	II 3 G/D Ex htc IIIB T100°C Gc/Dc	II 3 G/D Ex htc IIIB T100°C Gc/Dc	IID c T100 °C	IID c T100 °C	II 3 G/D Ex htc IIIB T100°C Gc/Dc

OPTIONAL



SP SYSTEM

AUTOMATIC REVERSE JET CLEANING SYSTEM
120.000 CM²

		SWAN Z22 II3D
POWER	kW - HP	3~ 2,2 - 3
MAXIMUM VACUUM	mBar	250
VACUUM IN CONTINUOUS	mBar	200
MAXIMUM AIR FLOW	m ³ /h	270
FILTER MEDIA		Antistatic Polyester
SURFACE AREA	cm ²	24.000
BIN CAPACITY	Lt	50
ATEX MARKING	Ex	II 3 D Ex htc IIIB T140°C Dc



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