

World-leading Surface Preparation and Finishing Solutions

Air Treatment



AIRBLAST EUROSPRAY, AN INTRODUCTION

Airblast Eurospray is one of the leading global voices in surface preparation and finishing. We design, manufacture, install and sell blast and spray equipment and facilities to some of the world's most important organisations. With roots stretching back to 1971, we're known for driving the market with innovative, technically excellent blast and paint solutions for a wide range of industries.

WORLD-LEADING BLAST AND SPRAY EXCELLENCE

Our equipment is used in many demanding environments where product integrity is vital – so we only manufacture and sell facilities and equipment that we know are:

- Robust
- Well-designed
- Powerful
- Able to deliver optimum performance – safely and efficiently

PROFESSIONAL RESULTS

We're proud to offer complete solutions for any blast and spray application with a full range of products and services to help you complete your work to a high professional standard. If you have a bespoke query or cannot locate a specific product our brochures, please contact our sales team who will be happy to help you.

KNOWLEDGE TRANSFER

Performance is nothing without knowledge - especially with safety-critical processes like blasting. That's why we provide full operator training with industry experts as well as top-up training to keep experienced operators up-to-date with the latest blast and paint technology and developments. Contact our Training Specialists on 01778 560650 to find out more.

SERVICE AND AFTERCARE

We want you to get the best from your equipment for years to come, so we offer:

- Product and facility servicing
- Service contracts with reduced parts and labour rates
- Equipment collection
- Site visits, inspection and investigation services
- Next day delivery on many products

EQUIPMENT HIRE

Want to try before you buy? Many of our products are available for hire including blast machines, coating systems, water injection pumps, vacuum transfer units, suction and pressure cabinets, dust arrestors, hand-held closed circuit blast machines, closed circuit blasting and extractor fans. Contact our Hire Team for more information.

Finance packages available to help spread the cost of purchase. Get in touch today.

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A-SERIES VENTURI BLOWERS

Airblast Eurospray Venturi Air Blowers are a perfect solution for ventilating or extracting hazardous and explosive vapors from tanks, as well as a variety of other functions. Additionally, they can be used to cool down machinery or workers. Their function is to accept high pressure air from a compressor and, using the Venturi principle, create a suction trough at the base of the unit. Maximum air pressure: 140psi.

Construction:

- Constructed with galvanised steel
- Single piece cast aluminium inlet housing
- Sturdy steel galvanised steel diffuser
- Static ground attached to base of unit
- Steel handle
- Quick coupling inlet connection
- Multiple inlet ports



Part no.	Description
AB8850002	A-1000 Venturi Blower
AB8850003	A-1200 Venturi Blower
AB8850006	A-2900 Venturi Blower
AB8850008	A-4100 Venturi Blower
AB8850009	A-6200 Venturi Blower

SAFETY PRECAUTIONS

An electric ground or static ground is attached to the base of all air blowers. When using this air blower in a volatile atmosphere, attach a ground wire to discharge any static electricity, preventing a build-up of static electricity. Airblast Eurospray pneumatic air blowers have no moving parts and are ideal for venting hazardous areas. The bases are made from a high quality aluminium alloy. Aluminium scraped across rusty steel can sometimes cause a smear. A heavy smear of aluminium on steel (being struck with some object) can cause an incendiary spark. Take precautions not to drag the base on steel tanks, etc.

While there are no moving parts to the air blowers, all of the performance ratings in this brochure are based on a unit that has a clean air reservoir, and nozzle jets that are of the proper diameter and not plugged in any way. Care should be taken to prevent clogging of the nozzle jets and a periodic cleaning with a steam cleaner would be appropriate maintenance. Secure the air blower in place prior to turning on the air supply or it may move from its intended position.

Air flow						
Model	Air consumed (CFM)			Total air flow (CFM)		
	60 psiG	80 psiG	100 psiG	60 psiG	80 psiG	100 psiG
ABA-1000	31	41	51	863	1076	1205
ABA-1200	31	41	51	1135	1308	1465
ABA-2900	60	81	101	2560	3020	3698
ABA-4100	108	142	178	4215	4810	5435
ABA-6200	189	252	380	6182	7304	8220

Dimensions						
Model	Overall length (mm)	Diameter of base of base (mm)	Diameter top of horn (mm)	Inlet size (inch)	Bolt circle diameter (mm)	Net weight (kg)
ABA-1000	426	186	153	½	167	2.5
ABA-1200	775	186	178	½	167	4
ABA-2900	1124	286	318	1	267	10
ABA-4100	1170	365	362	1	346	17
ABA-6200	1220	432	400	1	394	20

AB-JF JET FANS

The Airblast Eurospray Jet Fan is a four-bladed vaneaxial fan which operates through a high velocity jet of compressed air which is ejected from the trailing edge of the blade. This results in the forward rotation of the fan wheel – just like a jet plane is pushed forward by the high-velocity jet ejected from the rear of the jet engine.



Features:

- Use for general ventilation in any location where compressed air is available.
- Suitable for ventilation of tanks, process vessels, or other confined areas for the removal of hazardous fumes or contaminated air from welding, blasting and other operations.
- Rated operating pressure 3–8bar (40–110psi).
- Design allows for lower RPMs while still moving significant air volumes.
- Bearings are repacked with a hi-tech synthetic lubricant for longer life.
- Propeller balanced by removing material from end of blades.
- Use as blower or exhauster.
- Electro polished stainless steel fan guard.
- Heat treated to T6 aircraft aluminium specifications.
- Super-duty, high quality, high pressure air seal for longer service.
- Six guide vanes to smooth air flow eliminating turbulence.

Construction:

- Fan blade and housing: Spark resistant 356 aluminium heat treated to T6 aircraft aluminium specification.
- Fan Guards: Stainless steel; meets OSHA requirements.
- Shaft: Stainless steel.
- Locking mechanisms: Stainless steel lock shield, bear hug retainer.
- Bearings: Premium ball bearings sealed with a high-performance synthetic grease.
- Flanges: Matches 20" and 24" American Petroleum Institute tank opening.
- Convertible design: Use for supply or turn it around and use as an exhauster; flange mountings are identical on both sides.

Part no.	Description
AB8850090	AB-JF 20 Jet Fan
AB8850007	AB-JF 24 Jet Fan

Optional Description
20" API Flange Plate (508mm)
24" API Flange Plate (609.66mm)

Performance CFM against static pressure

Compres. air (psiG)	Average RPM	Air usage (CFM)	Capacity (CFM) Against static pressure (IN. WC)									
			0	1	2	3	4	5	6	7	8	9
AB-JF20												
40	2080	60	5920	3580	1650	220	0					
60	2695	114	7600	5870	3860	2350	1200	200	0			
80	3225	186	9100	7730	6000	4410	3180	2140	1190	270	0	
100	3670	292	10420	9200	7850	6260	4770	3650	2680	1850	1070	350
AB-JF24												
40	1565	76	8104	2391	0							
60	2053	147	11005	7312	2649	0						
80	2570	225	12848	9969	6223	3397	1225	0				
100	3138	338	16136	13975	11295	8350	6326	4638	2950	1261	0	

COMPRESSED AIR AFTERCOOLERS

Compressed-air conditioning is indispensable for ensuring fault-free performance of blasting and paint spraying equipment as well as for compressed air tools. Conditioned compressed air contributes to improving the quality of blasted surfaces since most of the oil and water have been removed from the compressed air. Conditioned air improves productivity, reduces maintenance and lowers operating costs.

Air-Cooled Compressed Air After-Coolers

Airblast Eurospray air-cooled aftercoolers utilize free and readily available atmospheric air as the cooling medium. The hot, moisture laden compressed air is effectively treated to reduce and eliminate the moisture load on downstream equipment. The units are available as electrically or pneumatically operated models and are supplied complete with a moisture separator and oiler for pneumatic motors, and are fitted in a heavy duty transport frame.

Compressed Air Filters

Airblast Eurospray filters protect compressed air dryers, equipment, instrumentation and processes by removing compressor oils, dirt, rust and other types of contaminants. We supply air filters of various types; ceramic filters capable of filtering up to 3 microns and fibre membrane filters for filtering up to 0.01 microns. All filter elements are designed and built to provide maximum reliability and service life at the lowest possible pressure drop.

Capacities are based upon the following conditions:

Ambient temperature: 21°C–35°C

Working pressure: 7bar (maximum 12bar)

Rel. humidity: 60%

Air inlet temperature: 120°C

Delta T: 9°C (above ambient temperature)



Art. nr.	Model	Nominal capacity (m ³ /min.)	Air consumption (lpm)
AB5082000	ABAC-30 PN	3	250
AB5082500	ABAC-40 PN	4	300
AB5083500	ABAC-65 PN	6	450
AB5084000	ABAC-80 PN	8	500
AB5084500	ABAC-120 PN	12	600
AB5085000	ABAC-160 PN	16	750
AB5085500	ABAC-200 PN	20	750
AB5086000	ABAC-250 PN	25	950

DC-6, DC12 AND DC-20 MOBILE DUST COLLECTORS

Compact, transportable, flexible and well designed – these are the main features of the Airblast Eurospray mobile dust collection systems, either standard or designed specifically for the job on hand. A complete range of easy-to-transport filter units, cartridge or bag type for use on shipyards, bridges or for many other blast cleaning operations. Most popular sizes are suitable for 6000, 12000 and 20000 cubic metres per hour.

Operating principle

Dust laden air enters through the inlet plenum of the collector, where heavy particles fall immediately into the hopper. As the air flows through the filter cartridges, dust is deposited on the outside of the filtering media. The filter cartridges are cleaned automatically and continually without interrupting the operation of the dust collector. An adjustable timer controls the cycle-time.

Solenoid valves introduce jets of high-pressure air into each pair of cartridges in turn, through the Venturi opening above each cartridge.

The resulting reverse airflow cleans the filter cartridges. Dust removed from the filter surface settles into the hopper. As each pair of filter cartridges is cleaned in succession, the remaining stay in operation. Extremely high dust loading is handled easily.

Further complete with electrical panel with automatic switch controllers, main switch, signalling lamps and control buttons for one ventilator and control unit for cartridge cleaning valves.



	DC-6	DC-12	DC-20
Exhaust capacity (m ³ /hr)	6000	12000	20000
Static pressure (Pa)	2000	2000	3000
Electric motor			
(kW)	5.5	12	30
(Volt)	400	400	400
(Phase)	3	3	3
(Hz)	50	50	50
Filter cartridges (pcs.)	6	12	20
Filter area (m ²)	93.6	187.2	312
Filter material	Polyester fabric Type NA – 806	Polyester fabric Type PE – 806	Polyester fabric Type NA – 806
Filter percentage (%)	99.9	99.9	99.9
Max. dust emission (mg/nm ³)	<3	<3	<3
Collecting bags (pcs.)	2	4	4
Connection (Ø mm)	1 x 300	2 x 300 w/regulating valve	3 x 300 w/regulating valve
Cleaning air pressure	Continuous by compressed air max. 5bar		
Nr. of solenoid valves	6 (1" G)	4 (1½" G)	8 (1½" G)
Pulsation pressure (bar)	±4	±5	±5
Cycle time	Adjustable		
Sequence	1 cartridge simultaneous	3 cartridges simultaneous	2 or 3 cartridges simultaneous
Inspection hatch	1 pc.	2 pcs.	1 pc.
Weight (kg)	± 900	± 1260	± 2300
Dimensions			
Total length (mm)	2300	3350	4500
Width (mm)	1150	2050	2000
Height (mm)	2150	2350	2400

DC-12/ATEX MOBILE DUST COLLECTOR

Mobile "explosion proof" cartridge dust-filter unit suitable for dust extraction during metallisation with 85/15 zinc aluminium wire or 100% zinc made of steel sheet 3mm reinforced with steel profiles.

Consisting of:

- Complete ATEX Explosion-proof cartridge dust-filter suitable for dust-extraction during metallisation with 85/15 zinc/aluminium wire and blasting. Max. KST 250 bar·m/s.
- Explosion panel positioned on top of the filter unit.
- Directly driven ventilator suitable for zone 21.
- Ventilator is provided with an encasing for noise reduction, Noise level approx. 72dbA.
- Ducting including back pressure valve and special pre-separator.
- Air exhaust is including silencer.
- The complete installation is grounded, ground terminal will be provided by the customer; connection close to the filter unit.

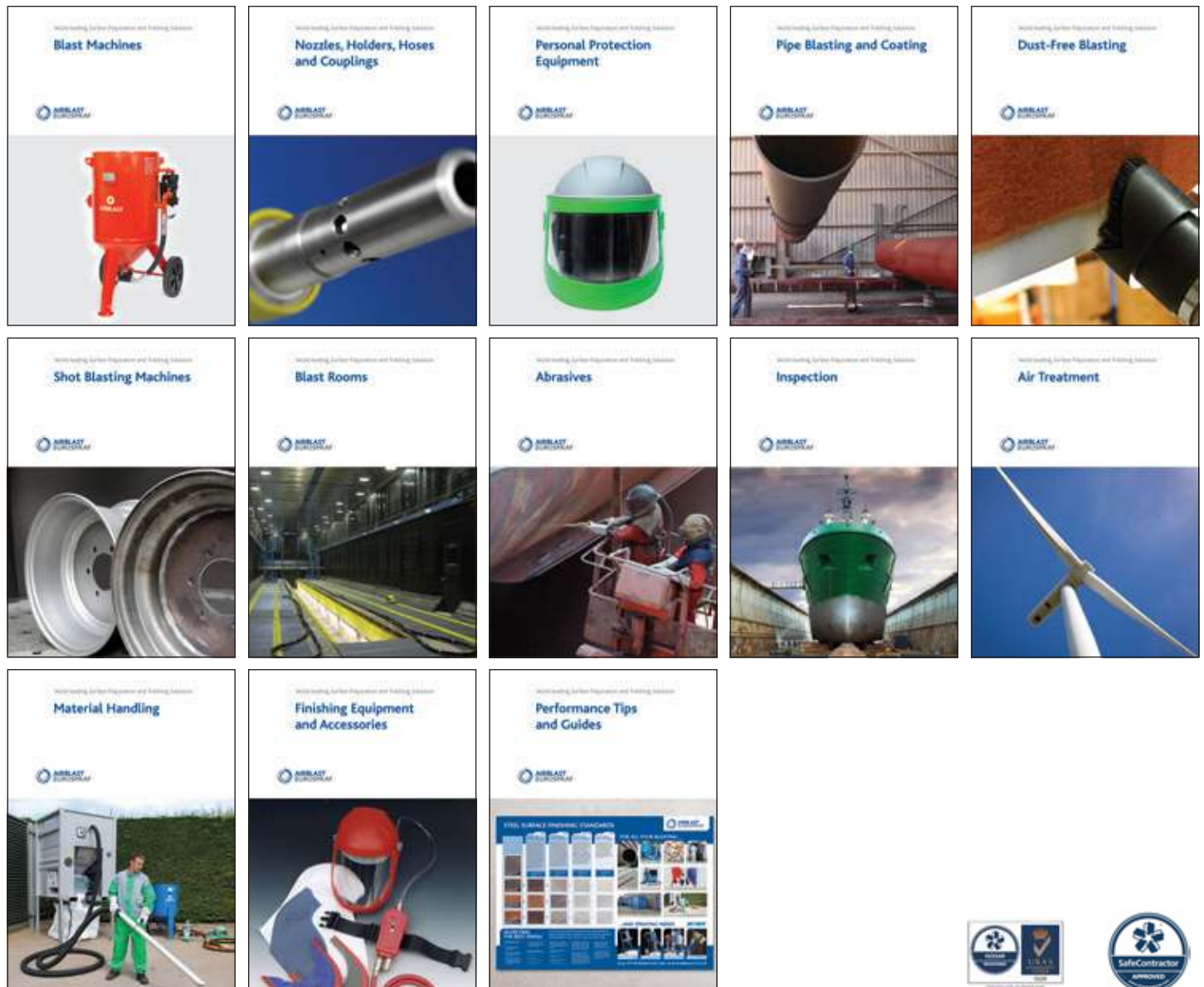


Mobile Dust Collectors

DC-12 ATEX

Exhaust capacity (m ³ /hr)	6.000
Max. KST-value (bar·m/s)	250
Total pressure (Pa)	3200
Electric motor	
(kW)	7.5
(Volt)	400/690
(Hz)	50
Fan	EX II 3D T 80°C – directly driven
Filter cartridges (pcs.)	12
Filter area (m ²)	187.2
Filter material	anti static
Filter category	BIA category M
Filter percentage (%)	99.9
Max. dust emission (mg/nm ³)	<0.2
Cleaning	automatic pressure air; max. 6bar
Hose connection (Ø mm)	300
Cleaning pressure (bar)	±5
Sequence	adjustable
Filter percentage (%)	99.9
Pneumatic connection	½"
Dust collecting (drum in ltr)	50
Weight (kg)	±1,150
Dimensions	
Total length (mm)	4410
Width (mm)	1580
Height (mm)	2440

WORLD LEADING SURFACE PREPARATION & FINISHING SOLUTIONS



Airblast Eurospray account

To open an account, simply get in touch with us today.

All products sold are subject to our standard Terms and Conditions, which are available on request. E&OE. Price does not include delivery.

Products and services

- Blast rooms
- Abrasive blast cabinets
- Portable blast systems
- Blast accessories
- Lighting systems
- Compressors
- Dust recovery equipment
- Paint spray booths
- Coating systems
- Coating accessories
- Personal Protective Equipment
- Media
- Testing equipment
- Design and build
- Servicing
- Reconditioning
- Pressure testing
- Training
- Sample processing
- Equipment hire

Contact us

For further information on how our products and services could benefit your company, please contact us by any of the means below.

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