Catalogue

2010

Gritco Equipment BV
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The professional compressed air blasting machines from Gritco stand for innovative quality. Gritco machines are designed for professionals by professionals and meet the highest demands in terms of performance and reliability for the best results.

Gritco machines and accessories excel when high demands and specifications are made for treating valuable items:

- cleaning without distortion of the surface,
- special optical and esthetic results,
- quality pre-treatment for further accurate handling.

Beside that Gritco knows the entire blasting chain: from compressors and abrasives to means to recycle and filter.

Our equipment is designed and manufactured at our own facilities. Together with our years of experience this results in a high standard of quality, great flexibility and progressive innovations which we like to summarize as

Innovative Quality!

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Pressure Equipment Directive

Blastpots need to comply to the European Pressure Equipment Directive 97/23/EC also known as the PED. Often is thought that just the pressure vessel of the machine should comply with these rules but… this is not correct… the complete assembly must comply!

Different modules can be used to obey the rules of the PED. As soon as the maximum operating pressure (Ps) times the volume (V) is greater than 200 a form of approval by a notified body is always needed.
Gritco blastpots are manufactured according module B + C1.

The B stands for “EC type-examination”. All Gritco blastpots are approved under number: 08-PED-ROT-B-08.4350-01

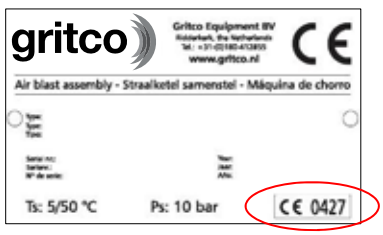
The C1 stands for “conformity to type”. This means that during production Gritco blastpots can unexpectedly be checked by a notified body to verify if they comply with the given type approval. The number for module C1 in 2010 is: EP014735.
Gritco blastpots are delivered with a CE certificate of conformity for the complete assembly. This carries the model type, serial number, the modules and the respective numbers and the address details of the notifying body.

The inspections of B + C1 are carried out by DNV (Det Norske Veritas) Certification BV with identification number and DNV has number 0427. This number must also be put on the machine plate in relation to the complete assembly. With the module and identification numbers, the validity of the certificate can be checked.

So please remember, not just the vessel needs approval but the complete assembly!

EC Type-Examination Certificate

Certificate of Conformity



Machine Plate

Although the **BM-RC series** are our standard blastpots they already differ themselves a great deal from the competition.
The contents of 18, 40, 60, 100 or 200 liters and the extensive option list will result in the perfect model to fulfill all your blasting needs!

The blastpot is remote controlled by the two line deadman handle of the additional hose package. The decompression valve is closed at the same time as the main-air valve is opened. The blastpot is being pressurized and blasting activities are started.
The amount of abrasive can be set by the handwheel of the metering valve.

The blastpot is standard executed with the following items:

- A system pressure gauge clearly indicates the air pressure from the compressor.
- The safety valve avoids excessive pressures of the vessel (obligatory according CE regulations.)
- With the choke valve, blockages of the metering valve can easily be “pumped through”.
- Main-air and decompression valves are separate which makes the blastpot very reliable.
- The decompression valve has a separate wear disc for long term problem free operation.
- The silencer of the decompression valve secures a (worker) safe environment.
- The rubber pop-up assembly makes the filling of the pot fast and easy.
- Maintenance is a matter of minutes due to the unique and innovative piping construction.
- Due to the large piping the pressure drop over the system is reduced to an absolute minimum which results in an excellent performance.
- The membrane metering valve is accurate, wear resistant and suitable for all abrasives.
- Fully comply with the European Pressure Equipment Directive 97/23/EC (PED) for pressure assemblies!

BM-RC series blastpots

Blastpot BM-18-RC, 18 liters, ¾″ piping	20020018
Blastpot BM-40-RC, 40 liters, ¾″ piping	20020033
Blastpot BM-60-RC, 60 liters, 1½″ piping	20020040
Blastpot BM-100-RC, 100 liters, 1½″ piping	20020080
Blastpot BM-200-RC, 200 liters, 1½″ piping	20020200

Advantages

- Accurate and wear resistant media valve due to fine thread spindle and durable membranes.
- Reliable because of the separate main-air and decompression valve.

Options *(for more info see pages 11-15)*

S	C	R	F	H	T	V	U	2
I	E	L	W_1	W_2	P_c	P_a	117	

Blastpot type BM-EXC

Contractors Choice

The 'EXC' in the **BM-EXC series** blastpots stands for *excellent performance*. The high-quality media metering assembly gives you that extra performance for efficient blasting.

The blastpot is remote controlled by the two line deadman handle of the additional hose package. The decompression valve is closed at the same time as the main-air valve is opened. The blastpot is being pressurized and blasting activities are started.
At the same time the normally closed abrasive metering valve is opened. This avoids the inconvenient shot of abrasive as with conventional blastpots. The amount of abrasive can be set by the handwheel of the metering valve.

The blastpot is standard executed with the following items:

- A system pressure gauge clearly indicates the air pressure from the compressor.
- The safety valve avoids excessive pressures of the vessel
- With the choke valve, blockages of the metering valve can easily be "pumped through".
- Main-air and decompression valves are separate which makes the blastpot very reliable.
- The decompression valve has a separate wear disc for long term problem free operation and has a silencer for a (worker) safe environment.
- The pop-up assembly makes the filling of the pot fast and easy.
- Maintenance is a matter of minutes due to the unique and innovative piping construction.
- Due to the large piping the pressure drop over the system is reduced to an absolute minimum which results in an excellent performance.
- The accurate spring closed metering valve reduces abrasive consumption and avoids a shot of abrasive when starting up.
- Heavy duty design of metering assembly is suitable for all sorts of abrasive.
- The mixing tube can easily be disconnected without any tools.
- Fully comply with the European Pressure Equipment Directive 97/23/EC (PED) for pressure assemblies!

CERTIFIED CE PED 97/23/EC

Advantages

- No shot of abrasive when starting up.
- Easy to remove mixing tube in case of a blockage (no tools needed).
- Possibility to clean the objects by blowing with compressed air only.
- Reliable because of the separate main-air and decompression valve.

BM-EXC series blastpots

Blastpot BM-18-EXC, 18 liters, ¾″ piping	20060018
Blastpot BM-40-EXC, 40 liters, ¾″ piping	20060033
Blastpot BM-60-EXC, 60 liters, 1½″ piping	20060040
Blastpot BM-100-EXC, 100 liters, 1½″ piping	20060080
Blastpot BM-200-EXC, 200 liters, 1½″ piping	20060200

Options *(for more info see pages 11-15)*

S	C	R	F	H	T	V	M	3m	3s	2
U	I	E	L	W1	W2	Pc	Pa	167	117	127

The **BM-TH series** has the same features as the EXC series but are executed with the renowned Thompson Valve II. This abrasive valve has an even more precise metering range.

The blastpot is remote controlled by the two line deadman handle of the additional hose package. The decompression valve is closed at the same time as the main-air valve is opened. The blastpot is being pressurized and blasting activities are started.
At the same time the normally closed Thompson Valve II is opened. This avoids the inconvenient shot of abrasive as with conventional blastpots. The amount of abrasive can be set by the handwheel of the Thompson Valve II.

The blastpot is standard executed with the following items:

- A system pressure gauge clearly indicates the air pressure from the compressor.
- The safety valve avoids excessive pressures of the vessel
- With the choke valve, blockages of the metering valve can easily be “pumped through”.
- Main-air and decompression valves are separate which makes the blastpot very reliable.
- The decompression valve has a separate wear disc for long term problem free operation and has a silencer for a (worker) safe environment.
- The pop-up assembly makes the filling of the pot fast and easy.
- Maintenance is a matter of minutes due to the unique and innovative piping construction.
- Due to the large piping the pressure drop over the system is reduced to an absolute minimum which results in an excellent performance.
- The accurate spring closed metering valve reduces abrasive consumption and avoids a shot of abrasive when starting up.
- The Thompson Valve II has a variety of metering sleeves for all kinds of media (PU, tungsten carbide and TC key slot sleeves).
- Fully comply with the European Pressure Equipment Directive 97/23/EC (PED) for pressure assemblies!

BM-TH series blastpots

Blastpot BM-18-TH, 18 liters, ¾″ piping	20070018
Blastpot BM-40-TH, 40 liters, ¾″ piping	20070033
Blastpot BM-60-TH, 60 liters, 1½″ piping	20070040
Blastpot BM-100-TH, 100 liters, 1½″ piping	20070080
Blastpot BM-200-TH, 200 liters, 1½″ piping	20070200

Advantages

- No shot of abrasive when starting up.
- Very precise metering range.
- Wide variety of metering sleeves.
- Possibility to clean the objects by blowing with compressed air only.
- Reliable because of the separate main-air and decompression valve.

Options *(for more info see pages 11-15)*

S	C	R	F	H	T	V	M	3m	3s	2
U	I	E	L	W1	W2	Pc	Pa	167	117	127

Blastpot type BM-ECO

Most Efficient

The **BM-ECO series** is the most efficient blastpot on the market. Especially when it's placed under a silo, used for spot repair or (semi) automatic systems. Multiple abrasive outlets are also possible!

After the vessel is filled with abrasive it is pressurized first by the operator to put it in stand-by mode. This is done by the auto valves which are controlled by a switch on the machine or hose package. The actual start/stop of blasting is remote controlled by the two line deadman handle of the additional hose package. The blasting air valve is opened together with the normally closed Thompson Valve II. This avoids the inconvenient shot of abrasive as with conventional blastpots. Because the vessel itself is already pressurized the abrasive is almost immediately on transport speed. It only needs to be decompressed for refilling. This saves on compressed air and will lead to far less wear of the decompression valve.

The blastpot is standard executed with the following items:

- The system pressure gauge clearly indicates the air pressure from the compressor.
- The safety valve avoids excessive pressures of the vessel
- With the choke valve blockages can easily be "pumped through".
- The decompression valve has a separate wear disc for long term problem free operation and has a silencer for a (worker) safe environment.
- The pop-up assembly makes the filling of the pot fast and easy.
- Maintenance is a matter of minutes due to the unique piping .
- With the standard maintenance valve the Thompson Valve II can be removed without abrasive running out of the vessel (200 l. only)
- Due to the large piping the pressure drop over the system is reduced to an absolute minimum which results in an excellent performance.
- The accurate, spring closed metering valve reduces abrasive consumption and avoids a shot of abrasive when starting up.
- The Thompson Valve II has a variety of metering sleeves for all kinds of media (PU, tungsten carbide and TC key slot sleeves).
- Fully comply with the European Pressure Equipment Directive 97/23/EC (PED) for pressure assemblies!

Advantages

- Only decompression to refill abrasive, saves compressed and far less to non wear on the decompression valve .
- Abrasive is almost directly on transport speed because the vessel is already pressurised. Again saving of compressed air energy and a more efficient use of the abrasive.
- Most efficient blastpot on the market!

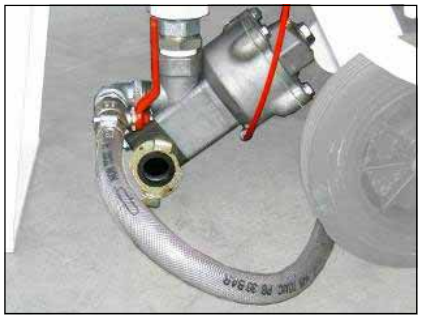
BM-ECO series blastpots

Blastpot BM-18-ECO, 18 liters, ¾″ piping	20080018
Blastpot BM-40-ECO, 40 liters, ¾″ piping	20080033
Blastpot BM-60-ECO, 60 liters, 1½″ piping	20080040
Blastpot BM-100-ECO, 100 liters, 1½″ piping	20080080
Blastpot BM-200-ECO, 200 liters, 1½″ piping	20080200
Stand-by switch on machine	16202041
Stand-by valve on hose package	18901000

Options *(for more info see pages 11-15)*

S	C	R	F	H	T	V	M	3m	3s	2
U	I	E	L	W1	W2	Pc	Pa	167	117	127

Most Precise



The **MicroStrip machine** are specially designed to blast with the finest abrasives at the lowest pressures. It's the most precise machine on the market for (industrial) cleaning applications and delicate restoration work.

After the vessel is filled with abrasive it is pressurized first by the operator to put it in stand-by mode. This is done by the auto valves which are controlled by a switch on the machine or hose package. The actual start/stop of blasting is remote controlled by the two line deadman handle of the additional hose package. The blasting air valve is opened together with the normally closed Thompson Valve II. This avoids the inconvenient shot of abrasive as with conventional blastpots. Because the vessel is already pressurized the abrasive is almost immediately on transport speed.

The metering of the abrasive is accomplished by creating a difference between tank– and blast pressure. By this small difference the abrasive is 'pushed' through the fixed orifice of the metering sleeve. This way an absolute minimum consumption of even the finest abrasives can be guaranteed!

The MicroStrip machine is standard executed with the following items

- The steel sieve and cover avoid unwanted items in the pot.
- A compressed air filter with automatic drain.
- A pressure gauge indicates the air pressure from the compressor.
- With the precise pressure regulator and gauge the wanted blast pressure can be set.
- The blast pressure gauge indicates the pressure difference.
- A differential pressure gauge indicates clearly the difference for precise metering of the abrasive (models 60 and 100).
- A pneumatic ball vibrator at the bottom of the pot ensures a constant flow of all sorts of abrasives.
- With the unique clean-out port of the Thompson Valve II possible blockages of the metering sleeve can easily be solved.
- The spring closed metering valve reduces abrasive consumption and avoids a shot of abrasive when starting up.
- The Thompson Valve II has a hardened metering sleeve with four different orifices. Other sleeves also available.
- Multiple abrasive outlets are also possible.
- Fully comply with the European Pressure Equipment Directive 97/23/EC (PED) for pressure assemblies!

Advantages

- A guaranteed flow and minimum consumption of even the finest abrasives.
- Blast pressures possible from 0.1 bar
- No shot of abrasive when starting up.
- Delicate enough to remove paint from a light bulb!

Standard

S C R F T

Options *(for more info see pages 11-15)*

Sm H V 3m 3s 2 U

I E L W1 W2 Pc Pa 167 117 127

MM-A series MicroStrip machines

MicroStrip machine MM18-A, 18 liters, ¾″ piping	23250010
MicroStrip machine MM40-A, 40 liters, ¾″ piping	23250015
MicroStrip machine MM60-A, 60 liters, 1½″ piping	23250001
MicroStrip machine MM100-A, 100 liters, 1½″ ppg	23250006
Stand-by switch on machine	16202041
Stand-by valve on hose package	18901000

To achieve continuous blasting, the industry is used to choose for a so-called double chamber blast pot. These type of blast machines often have the same problems like: the building height, the accessibility of the abrasive filling valves and the pressure instability during the refill of abrasive from the upper to the lower pressure vessel.

In order to enable continuous blasting without any of these problems Gritco Equipment developed the unique 'Continuous Series'
These series are based on two pieces 'standard' machines of which the abrasive metering valves are connected to each other.
Multiple abrasive outlets to feed two or more nozzles are also possible.

Via an electro pneumatic switchbox executed with a programmable relay block (a mini PLC) both blast machines are operated for continuous blasting.

The two blastpots can be 100 or 200 litre. This choice of contents depends on different things like: time for refilling, automatic or manual refilling, building height etc.

Operation

Both vessels are filled with abrasive after which vessel nr. 1 is pressurised by it's auto air valves.

When the blast process is started the air valve to feed the nozzle(s) is opened together with the Thompson abrasive valve of vessel nr. 1. Abrasive of vessel nr.1 now comes out of the nozzle(s).

After a set time, vessel nr. 2 is pressurised by it's auto air valves. Before nr. 1 runs out of abrasive the Thompson abrasive valve of vessel nr. 2 is opened. At the same time the Thompson of nr. 1 is closed. Abrasive of vessel nr. 2 now comes out of the nozzle(s).

Vessel nr. 1 is now depressurised so the pop-up falls down. It can now be (automatically) re-filled with abrasive.

After the set time, vessel nr. 1 is pressurised again. Before nr. 2 runs out of abrasive the Thompson abrasive valve of vessel nr. 1 is now opened. At the same time the Thompson of nr. 2 is closed. Abrasive of vessel nr. 1 now comes out of the nozzle(s).

Vessel nr. 2 is now depressurised so it can be refilled with abrasive.

Etcetera etcetera…

BlastMate Continuous

BM-100-CNTNS, 100 liter model	20090100
BM-200-CNTNS, 200 liter model	20090200

MicroStrip Continuous

MM100-CNTNS, 100 liter model	23205100
MM200-CNTNS, 200 liter model	23205200

Please contact us for detailed information, possible executions and options of the BM/MM-Continuous series

S

Sieve

The strong steel sieve fits the pot perfectly. With its mesh of 4 mm too big particles cannot enter the pot.

Sieve for 18 liter models	20030018
Sieve for 40 liter models	20030033
Sieve for 60 liter models	20030040
Sieve for 100 liter models	20030080
Sieve for 200 liter model	20030130

Sm

Micro sieve

This stainless steel sieve is especially for MicroStrip machines. The mesh of 2 mm avoids blockages of the small orifices of the metering sleeve. Should be combined with the sieve, option 'S'

Micro sieve for 18 liter models	20035018
Micro sieve for 40 liter models	20035040
Micro sieve for 60 liter models	20035060
Micro sieve for 100 liter models	20035100

C

Cover

The strong steel cover avoids foreign object entering the pot

Cover for 18 liter models	20040018
Cover for 40 liter models	20040033
Cover for 60 liter models	20040040
Cover for 100 liter models	20040080
Cover for 200 liter models	20040130

R

Pressure reducer

With the precise pressure reducer and glycerin filled gauge every wanted blast pressure can easily be set.

Pressure reducer ¾″ for 18 and 40 liter model	19030002
Pressure reducer 1½″ for all other models	19030005

F

Compressed air filter

The compressed air filter takes out the last bits of contamination and moisture ensuring fault free performance of the machine.
The filter is executed with an automatic drain.

Compressed air filter ¾″ for 18 & 40 liter model	23000034
Compressed air filter 1½″ for all other models	23000112

IMPROVED

H

Helmet air filter

The activated carbon filter removes odors of oil for fresh air to the operator's helmet or airhood. A pressure reducer is added for the correct settings of the airflow. This option should be combined with the compressed air filter option 'F' which functions as a pre-filter.

Helmet air filter for all models	22HELM01

T

Pneumatic ball vibrator

For a constant and regular flow of fine, angular and/or hygroscopic abrasives this option can be installed. It keeps the abrasive in motion to ensure a perfect flow and metering.

Pneumatic ball vibrator for 18 and 40 liter model	20000006
Pneumatic ball vibrator for all other models	23200700

V

Filling cone assembly

When placing a blastpot under a silo, problems can occur with the closure of the standard rubber pop-up. Especially with lower pressures the pop-up sometimes doesn't close completely against the amount of abrasive laying on top.
The bronze filling cone will cut better through the abrasive because of its shape. The cover above it will make sure there's always some free space to push the abrasive away to.

Filling cone assembly instead of rubber pop-up	21101410

M

Maintenance valve

When a 200 liter blastpot type EXC or TH will be placed under a silo, it is advisable to order this option (standard on ECO). With this maintenance valve the blastpot can be closed so the pot won't run empty when the abrasive metering valve is being removed for maintenance.

Maintenance valve	19200004

3m

3s

3rd signal on machine (3m) or hose package (3s)

With this function on the machine or hose package the abrasive metering valve can be shut. (Type EXC/TH/ECO/MM)
Objects can then be cleaned with air (and water) only.

3rd signal on machine for all models	16202040
3rd signal on hose package (to be ordered together with a hose package)	18900000

2

Multiple outlets

All series blastpots can be executed with multiple abrasive outlets (100 and 200 l. models only) *Contact us for more information.*

U

Digital hour counter

The digital hour counter is powered by a small long life time battery. The total working time of the machine can be monitored or the spent amount of abrasive per time unit. The start signal can either be connected to the main air valve or the abrasive metering valve depending on the purposes.
The reset function can be disabled for i.e. hire applications.

Digital hour counter for all models	23906065

NEW

I

Inhibitor switch

The electro pneumatic inhibitor switch can be installed when i.e. the blasting process needs to be stopped when the door(s) from the blast room are accidentally opened.
It can be delivered in a 24V DC or 240V AC execution to be integrated with a switchboards. The plug has a small LED light to indicate if it's powered.

Inhibitor switch for all models 24V DC	50032024
Inhibitor switch for all models 240V AC	50032240

NEW

E

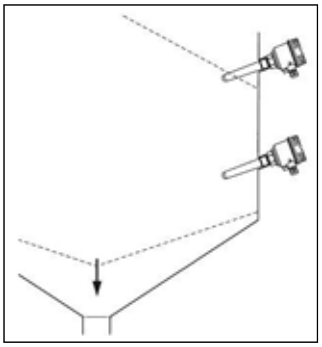
Emergency stop

This pneumatic emergency stop can be installed i.e. for automatic blasting jobs where the controller can stop the blasting process with just a press on the button.

Emergency stop for all models	21104000

NEW

L



Level indicator

This option can be installed in the machine's vessel to measure the level of abrasive. When integrated with a switchboards it can warn i.e. when the blastpot is about to run empty or when it's full to start blasting process.
The level indicator functions with DC 20...55V and AC 20...253V. Depending on application and model size the level indicator will placed at various positions of the vessel.

1 piece level indicator for all models	22LEVEL1
2 pieces level indicator for all models	22LEVEL2

W1

Water connection 1

This option with water filter and quick connect couplings can be installed on the machine when wet blasting with the attachment 'WB', 'WIN' or 'WJN' .

Water connection for all models	23000301

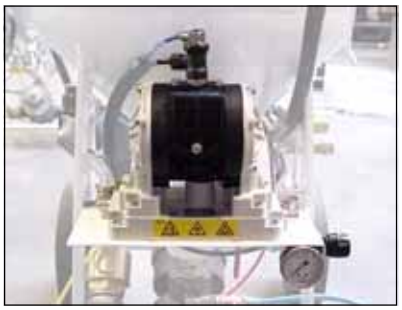
W2

Water connection 2

This option can be installed on the machine when wet blasting with the attachment 'WB', 'WIN' or 'WJN' . The water valve opens/closes the water supply when the deadman handle is pressed/released.

Water connection for all models	23000300

Pc



Membrane pump unit, type C

This option can be installed on the machine when wet blasting with the attachment 'WB', 'WIN', 'WJN', 'KWB/Mini' and 'KWB/M.

Max. air pressure	:	7 bar
Max. air consumption	:	0.25 m³/min
Pump ratio	:	1:1
Max. water displacement	:	17 l/min
Max. suction height, dry	:	2.5 m
Max. suction height, filled	:	4.4 m
Max. water inlet pressure	:	7 bar
Max. water temperature	:	82°C
Min. water temperature	:	4.5°C

Pump unit type C (1:1)	23000405
…built in strong plastic case	23000490

Pa

Stainless steel piston pump unit, type A

This option can be installed on the machine when wet blasting with the attachment 'KWB/H'.
This pump unit is needed when blast pressures exceed 7 bar and/or in combination with extreme hose lengths.

Max. air pressure	:	7 bar
Max. air consumption	:	0.5 m³/min
Pump ratio	:	1:3
Max. water displacement, A	:	2.6 l/min
Max. suction height	:	0 m
Min. water temperature	:	3°C

Pump unit type A (1:3)	23000400
…built in strong plastic case	23000490

167

Pneumatic timer control box PL167

This adjustable time delayed remote control box enables the emptying of the blasthose at every start and stop when working with long blasthose lengths and/or at heights.
The control unit is executed with two pneumatic timers which are adjustable with a maximum delay of 30 seconds.
The timers activate the main air valve and abrasive valve in the following order:
Start: By pressing the deadman handle the main air valve is opened immediately, while the abrasive metering valve comes into action after the set delayed time.
Stop: By releasing the deadman, the abrasive metering valve closes immediately, while the main air valve stays open for the set time.

Timer control box PL167	21100167

117

Electro-pneumatic control box PL117

This electro-pneumatic remote control box enables to work with an electric deadman handle. Advantage is the immediate start and stop of the blast machine when operating this deadman handle.
The box requires a 220-240V, 1 phase, 50 Hz connection. The box transforms the currency to 24V DC for safe working in every situation.

Electro-pneumatic control box PL117	21011170

127

Electro-pneumatic control system PL127

This electro-pneumatic remote control system enables to work with an electric deadman handle. The operator also has a small control box on his belt to select air only or air & abrasive. A blastlight can also be mounted to this control box.
The box requires a 220-240V, 1 phase, 50 Hz connection. The box transforms the currency to 24V DC for safe working in every situation.

Electro-pneumatic control box PL127	21011270

187

Radiographic control system PL187

The operator uses a radiographic control box to start and stop the blast machine. The operator can also select air only or air & abrasive. The operator's safety is guarded by a special safety switch which is connected between the operator's belt and the blasthose. When the blasthose is released the tension on the safety switch will turn off the blast machine immediately.
The operator doesn't have to keep a deadman handle pressed and there are no extra hoses/cables besides the blasthose. All resulting in less fatigue, better manoeuvrability, immediate start and stop and no risk of breaks in a control cable.
The electro-pneumatic receiver box signals the valves of the blastpot. This receiver box can be delivered in 220-240V AC or 12 / 24 DC for using the compressor's battery as power supply.

Radiographic control system PL187	21011870

Hose package ‘dry’

The hose package is delivered complete with blast hose, twin hose, couplings, nozzle holder and deadman handle type G2 .
A nozzle is not included.
The hose package with ½” blast hose is delivered with a nozzle holder with ¾” BSP thread.
The hose package with ¾” blast hose are standard delivered with a nozzle holder with 50 mm coarse thread. Optionally a nozzle holder with ¾” BSP thread can be chosen.
All other hose packages are delivered with 50 mm coarse thread nozzle holder.

Deadman handle G2
All our hose packages are executed with the unique G2 deadman handle which has an increased response time of more than 30% over other models!
The safety button is larger for easier operation and can be configured for both right and left-handed operators. The greater length and width of the lever requires just 1/3 of the force to depress compared to other models.

G2 deadman handle	2263-002

10 meters

Hose package ‘dry’, ½” hose, ¾” BSP holder	18000410
Hose package ‘dry’, ¾” blast hose	18000510
Hose package ‘dry’, ¾” hose, ¾” BSP holder	18000510A
Hose package ‘dry’, 1” blast hose	18000610
Hose package ‘dry’, 1¼” blast hose	18000710

20 meters

Hose package ‘dry’, ¾” blast hose	18000520
Hose package ‘dry’, ¾” hose, ¾” BSP holder	18000520A
Hose package ‘dry’, 1” blast hose	18000620
Hose package ‘dry’, 1¼” blast hose	18000720
Hose package ‘dry’, 1½” blast hose	18000820

Hose package ‘wet’ type WB

This hose package can be used in combination with blastpot option ‘W1’, ’W2’ and ‘Pc’. The hose package is delivered complete with blast hose, twin hose, water hose, couplings, nozzle holder, deadman handle type G2 and wet blast attachment type WB.
A nozzle is not included

This simple WB water ring fits most nozzles and only needs water tap pressure to work. Water and air/media is mixed outside.
The attachment is delivered complete with stop and regulator valve.

10 meters

Hose package ‘wet’, WB, ¾” blast hose	18200510
Hose package ‘wet’, WB, 1” blast hose	18200610
Hose package ‘wet’, WB, 1¼” blast hose	18200710

20 meters

Hose package ‘wet’, WB, ¾” blast hose	18200520
Hose package ‘wet’, WB, 1” blast hose	18200620
Hose package ‘wet’, WB, 1¼” blast hose	18200720

‘WB’ wet blast attachment only

Wet blast attachment ‘WB’ c/w regulator valves	15070000

Hose package 'wet' type WIN

This hose package can be used in combination with blastpot option 'W1', 'W2' and 'Pc'. The hose package is delivered complete with blast hose, twin hose, water hose, couplings, nozzle holder, deadman handle type G2 and wet blast attachment type WIN.
A nozzle is not included.

This stainless steel WIN attachment is only suitable for use with soft media like ARMEX®. Water and air/media is mixed inside the WIN attachment. Tap water can be used because of it's unique induction design. The WIN attachment can only be used with the UB series nozzles. It is delivered complete with stop and regulator valve.

10 meters

Hose package 'wet', WIN, ¾" blast hose	18400510
Hose package 'wet', WIN, 1" blast hose	18400610
Hose package 'wet', WIN, 1¼" blast hose	18400710

20 meters

Hose package 'wet', WIN, ¾" blast hose	18400520
Hose package 'wet', WIN, 1" blast hose	18400620
Hose package 'wet', WIN, 1¼" blast hose	18400720

'WIN' wet blast attachment only

Wet blast attachment 'WIN' c/w regulator valves	15070010

NEW

Hose package 'wet' type WJN

This hose package can be used in combination with blastpot option 'W1', 'W2' and 'Pc'. The hose package is delivered complete with blast hose, twin hose, water hose, couplings, nozzle holder, deadman handle type G2 and regulator valves for the water mixing
The actual mixing of the water is done by the Water Jet Nozzle (WJN) which should be ordered separately.

Water and air/media is mixed inside the WJN nozzle. Tap water can be used because of it's unique induction design.

10 meters

Hose package 'wet', WJN, ¾" blast hose	18450510
Hose package 'wet', WJN, 1" blast hose	18450610
Hose package 'wet', WJN, 1¼" blast hose	18450710

20 meters

Hose package 'wet', WJN, ¾" blast hose	18450520
Hose package 'wet', WJN, 1" blast hose	18450620
Hose package 'wet', WJN, 1¼" blast hose	18450720

Water Jet Nozzle (WJN)

Water Jet Nozzle, WJN-4, 6.4 mm	15300004
Water Jet Nozzle, WJN-5, 8.0 mm	15300005
Water Jet Nozzle, WJN-6, 9.5 mm	15300006

Hose package 'wet' type KWB/M (middle pressure)
This hose package can be used in combination with blastpot option 'Pc'. The hose package is delivered complete with blast hose, twin hose, water hose, couplings, nozzle holder, deadman handle type G2 and wet blast attachment type KWB.
A nozzle is not included.

This KWB attachment is suitable for all nozzles with 50 mm coarse thread. A pump unit is necessary to mix the water and air/media inside. Because of the pump unit the metering of the water can be set very accurate. Also heights or extreme hose lengths are not a problem. Delivered complete with stop and regulator valve.

10 meters

Hose package 'wet', KWB/M, ¾" blast hose	18600510
Hose package 'wet', KWB/M, 1" blast hose	18600610
Hose package 'wet', KWB/M, 1¼" blast hose	18600710

20 meters

Hose package 'wet', KWB/M, ¾" blast hose	18600520
Hose package 'wet', KWB/M, 1" blast hose	18600620
Hose package 'wet', KWB/M, 1¼" blast hose	18600720

'KWB/M' wet blast attachment only

'KWB/M' c/w regulator valves	15070020

NEW

optional Swirl Ring

Hose package 'wet' type KWB/Mini
This hose package is executed the same way as the KWB/M except for the wet blast attachment.

The fitted KWB/Mini attachment is suitable for all nozzles with ¾" BSP thread (not included) and has the same user advantages as the KWB/M. However due to its small size and low weight it's very suitable for 'low pressure' jobs like restoration and graffiti removal.

The optional Swirl Ring creates in combination with the short EK nozzles a wider/'softer' blast pattern than normal .

5 meters

Hose package 'wet', KWB/Mini, ½" blast hose	18500405
Hose package 'wet', KWB/Mini, ¾" blast hose	18500505

10 meters

Hose package 'wet', KWB/M, ¾" blast hose	18500510

20 meters

Hose package 'wet', KWB/Mini, ¾" blast hose	18500520

'KWB/Mini' wet blast attachment only

'KWB/Mini' c/w regulator valves	15070015

Optional Swirl Ring

Swirl Ring for KWB/Mini	15070050

Hose package 'wet' type KWB/H (high pressure)

This hose package can be used in combination with blastpot option 'Pa' and 'Pb'. The hose package is delivered complete with blast hose, twin hose, high pressure water hose, couplings, nozzle holder, deadman handle type G2 and wet blast attachment type KWB/H.
A nozzle is not included.

This KWB/H attachment is suitable for all nozzles with 50 mm coarse thread and has the same user advantages as the KWB/M but can be used with higher water pressures.

10 meters

Hose package 'wet', KWB/H, ¾" blast hose	15650510
Hose package 'wet', KWB/H, 1" blast hose	18650610
Hose package 'wet', KWB/H, 1¼" blast hose	18650710

20 meters

Hose package 'wet', KWB/H, ¾" blast hose	18650520
Hose package 'wet', KWB/H, 1" blast hose	18650620
Hose package 'wet', KWB/H, 1¼" blast hose	18650720

'KWB/H' wet blast attachment only

'KWB/H' c/w regulator valves	15070030

Hose package options

3s

3rd signal on hose package

With this function the abrasive metering valve can be shut by the operator. Objects can then be cleaned with air (and water) only.
Possible for the blastpot types EXC, TH, ECO and MM

3rd signal on hose package	18900000

Lashing for hose package

All hose packages and extensions are delivered tied up with lashings. These lashings make it a lot easier to pack, transport and store the packages and extensions.
The lashings of 1 meter can also be ordered separately

Lashing, 1 meter	13100100

extension for:

Hose extension 'dry'

This hose extension is suitable for the hose package 'dry' and is delivered complete with blast hose, twin hose and couplings.

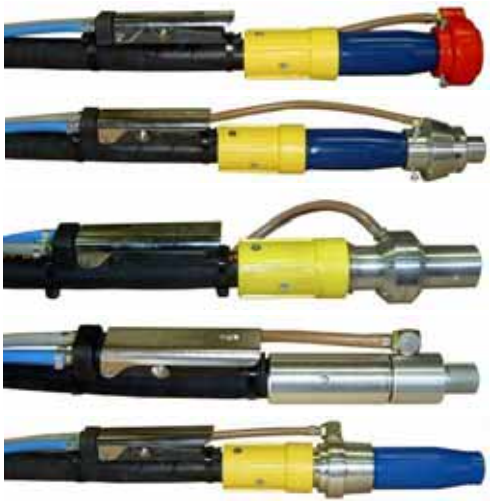
10 meters

Hose extension 'dry', ¾" blast hose	18700510
Hose extension 'dry', 1" blast hose	18700610
Hose extension 'dry', 1¼" blast hose	18700710

20 meters

Hose extension 'dry', ¾" blast hose	18700520
Hose extension 'dry', 1" blast hose	18100620
Hose extension 'dry', 1¼" blast hose	18700720
Hose extension 'dry', 1½" blast hose	18700820

extension for:



Hose extension 'wet' type L/M (low/middle pressure)

This hose extension is suitable for the hose packages 'WB', 'WIN' and 'KWB/M' and is delivered complete with blast hose, twin hose, water hose and couplings.

10 meters

Hose extension 'wet', L/M, ¾" blast hose	18800510
Hose extension 'wet', L/M, 1" blast hose	18800610
Hose extension 'wet', L/M, 1¼" blast hose	18800710

20 meters

Hose extension 'wet', L/M, ¾" blast hose	18800520
Hose extension 'wet', L/M, 1" blast hose	18800620
Hose extension 'wet', L/M, 1¼" blast hose	18800720

extension for:

Hose extension 'wet' type H (high pressure)

This hose extension is suitable for the hose package 'KWB/H' and is delivered complete with blast hose, twin hose, high pressure water hose and couplings.

10 meters

Hose extension 'wet', H, ¾" blast hose	18850510
Hose extension 'wet', H, 1" blast hose	18850610
Hose extension 'wet', H, 1¼" blast hose	18850710

20 meters

Hose extension 'wet', H, ¾" blast hose	18850520
Hose extension 'wet', H, 1" blast hose	18850620
Hose extension 'wet', H, 1¼" blast hose	18850720

When the hose package is equipped with the '3rd signal' option, the hose extension should be equipped with this option as well.

'3rd signal' on hose extension	18950000

Contractors Choice

Silicon nitride nozzle UB

The light weight UB nozzles have a very wear resistant silicon nitride lining. The fully polyurethane jacket is shock absorbing to ensure a long lifetime of the nozzle.
The venturi shape of the nozzle accelerates the speed of the abrasive and creates an even blast pattern.
The UB nozzles come with coarse thread/50 mm.

UB-3, 4.8 mm Ø, l = 118 mm	15010003
UB-4, 6.4 mm Ø, l = 146 mm	15010004
UB-5, 8.0 mm Ø, l = 153 mm	15010005
UB-6, 9.5 mm Ø, l = 179 mm	15010006
UB-7, 11.0 mm Ø, l = 207 mm	15010007
UB-8, 12.5 mm Ø, l = 233 mm	15010008

Tungsten carbide nozzle LWK

The LWK nozzles have a tungsten carbide lining. The polyurethane jacket is shock absorbing to protect the lining of the nozzle.
The venturi shape of the nozzle accelerates the speed of the abrasive and creates an even blast pattern.
The LWK nozzles come with coarse thread/50 mm.

LWK-6, 6.5 mm Ø, l = 145 mm	15000104
LWK-8, 8.0 mm Ø, l = 170 mm	15000105
LWK-10, 9.5 mm Ø, l = 200 mm	15000106
LWK-11, 11.0 mm Ø, l = 230 mm	15000107
LWK-13, 12.5 mm Ø, l = 230 mm	15000108

Tungsten carbide nozzle DK

The DK nozzles have a venturi shaped tungsten carbide lining which is protected by the shock absorbing polyurethane jacket.
The DK nozzles come with coarse thread/50 mm.

DK-4, 4.8 mm Ø, l = 90 mm	15001004
DK-6, 6.5 mm Ø, l = 90 mm	15001006
DK-8, 8.0 mm Ø, l = 90 mm	15001008
DK-10, 9.5 mm Ø, l = 90 mm	15001010

Tungsten carbide nozzle EK

The EK nozzles have a straight tungsten carbide lining and an aluminum jacket. The EK nozzles come with ¾" BSP thread.

EK-3, 3.2 mm Ø, l = 45 mm	15000002
EK-4, 4.0 mm Ø, l = 45 mm	15000003
EK-6, 6.0 mm Ø, l = 45 mm	15000004
EK-8, 8.0 mm Ø, l = 45 mm	15000005
Rubber washer	15500002

Boron carbide TETRABOR® nozzle form G

The form G nozzles have a very wear resistant boron carbide lining and are therefore resistant to all abrasives including aluminum oxide.
The venturi shape of the nozzle accelerates the speed of the abrasive and creates an even blast pattern.
The aluminum jacket has a coarse thread/50 mm.

G-6, 6.0 mm Ø, l = 140 mm	15247706
G-8, 8.0 mm Ø, l = 140 mm	15247708
G-8L, 8.0 mm Ø, l = 165 mm	15247708/L
G-10, 10.0 mm Ø, l = 165 mm	15247710
G-12, 12.0 mm Ø, l = 165 mm	15247712

Boron carbide TETRABOR® nozzle BC

The BC nozzles have a straight boron carbide lining and are therefore resistant to all abrasives including aluminum oxide.
The aluminum jacket has a ¾" thread.

BC-6, 6.0 mm Ø, l = 86 mm	15020206
BC-7, 7.0 mm Ø, l = 86 mm	15020207
BC-8, 8.0 mm Ø, l = 86 mm	15020208
BC-10, 10.0 mm Ø, l = 86 mm	15020210
Rubber washer	15500002

Boron carbide TETRABOR® nozzle form S

The aluminum jacket nozzles have a very wear resistant boron carbide lining and are therefore resistant to all abrasives including aluminum oxide.
The venturi shape of the nozzle accelerates the speed of the abrasive and creates an even blast pattern.
The nozzles can be inserted directly into the blast hose.

For 1" blast hose

S-6, 6.0 mm Ø, l = 110 mm	15020006
S-8, 8.0 mm Ø, l = 110 mm	15020008
S-10, 10.0 mm Ø, l = 115 mm	15020010

For 1¼" blast hose

S-6, 6.0 mm Ø, l = 110 mm	15021006
S-8, 8.0 mm Ø, l = 110 mm	15021008
S-8L, 8.0 mm Ø, l = 165 mm	15021008/L
S-10, 10.0 mm Ø, l = 110 mm	15021010
S-10L, 10.0 mm Ø, l = 165 mm	15021010/L
S-12, 12.0 mm Ø, l = 110 mm	15021012
S-12L, 12.0 mm Ø, l = 165 mm	15021012/L

NEW

Boron carbide TETRABOR® angled nozzles

These unique nozzles come with a 40° angle for hard to reach areas. The nozzles have a ¾" BSP connection and an aluminum jacket and very wear resistant boron carbide lining. They are therefore resistant to all abrasives including aluminum oxide.
With the connection piece and retaining ring the nozzle can also be used in a coarse thread / 50 mm holder and can be 'aimed' at every position wanted.

6.0 mm, angled nozzle 40°, ¾" BSP	15022219/6
8.0 mm, angled nozzle 40°, ¾" BSP	15022219/8
10.0 mm, angled nozzle 40°, ¾" BSP	15022219/10
Rubber washer	15500002
Connection piece	15022509
Retaining ring	15230003WAR

Boron carbide TETRABOR® nozzles

The TETRABOR® nozzles all have a boron carbide lining and are therefore resistant to all abrasives including aluminum oxide.
They come in many different shapes and sizes. Models with multiple outlets, 20° & 40°angles, 360° outlets, fishtail outlets and different inlets & connections are available.

Please contact us for information about the possibilities.

NEW

Tungsten carbide Water Jet Nozzle

The Water Jet Nozzles have a straight tungsten carbide lining and an aluminum jacket. The WJN nozzles come with 50 mm coarse thread. Water and air/media is mixed inside the WJN nozzle. For this internal mixing no pump unit is required because of its unique induction design.
For a correct setting of the amount of water a set of stop and regulator valve is advisable. This set is delivered complete with a hose tail to connect to a water hose

Water Jet Nozzle (WJN)

Water Jet Nozzle, WJN-4, 6,4 mm	15300004
Water Jet Nozzle, WJN-5, 8,0 mm	15300005
Water Jet Nozzle, WJN-6, 9,5 mm	15300006
Set of stop and regulator valve for water	15070030

Silicon carbide fan nozzles

These unique fan nozzles come with a wear resistant silicon carbide liner and steel jacket. With the retaining ring the nozzle can be put in every position wanted, in every coarse thread / 50 mm holder.
The outlet creates a wide blast pattern which is ideal for treating large surfaces and especially for (façade) cleaning applications.
The 25 x 2 mm has the same air consumption as a 8 mm nozzle.
The 25 x 3 mm has the same air consumption as a 10 mm nozzle.

FAN 25 x 2 mm	15230005
FAN 25 x 3 mm	15230003
Retaining ring	15230003WAR

Stainless steel fan nozzle

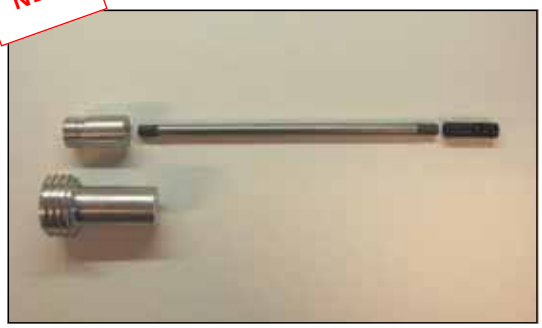
The fully stainless steel fan nozzle is only suitable for 'soft' abrasives like ARMEX®. The outlet creates a wide blast pattern which is ideal for cleaning purposes.
The FAN-4 with an outlet of 40 x 2 mm has ¾" thread. Its air consumption is the same as a no. 4 nozzle (6.4 mm).
Additionally a water spray nozzle can be added to the nozzle for 'outside mixing'. This is delivered c/w hose and regulator valves.

FAN-4, 40 x 2 mm , l = 100 mm	15230001
Water spray nozzle c/w regulator valves	15230002
Rubber washer	15500002

Compressed air consumption in m³/min for different nozzles and blast pressures.

	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar
Ø 3 mm	0.08	0.17	0.25	0.33	0.42	0.50	0.58	0.66	0.75	0.83
Ø 4 mm	0.15	0.30	0.44	0.59	0.74	0.89	1.03	1.18	1.33	1.48
Ø 4.8 mm	0.21	0.43	0.64	0.85	1.06	1.28	1.49	1.70	1.91	2.13
Ø 5 mm	0.23	0.46	0.69	0.92	1.15	1.38	1.62	1.85	2.08	2.31
Ø 6 mm	0.33	0.66	1.00	1.33	1.66	1.99	2.33	2.66	2.99	3.32
Ø 6.4 mm	0.38	0.76	1.13	1.51	1.89	2.27	2.65	3.03	3.40	3.78
Ø 7 mm	0.45	0.90	1.36	1.81	2.26	2.71	3.17	3.62	4.07	4.52
Ø 8 mm	0.59	1.18	1.77	2.36	2.95	3.55	4.14	4.73	5.32	5.91
Ø 9 mm	0.75	1.50	2.24	2.99	3.74	4.49	5.23	5.98	6.73	7.48
Ø 9.5 mm	0.83	1.67	2.50	3.33	4.17	5.00	5.83	6.67	7.50	8.33
Ø 10 mm	0.92	1.85	2.77	3.69	4.62	5.54	6.46	7.39	8.31	9.23
Ø 11 mm	1.12	2.23	3.35	4.47	5.59	6.70	7.82	8.94	10.05	11.17
Ø 12 mm	1.33	2.66	3.99	5.32	6.65	7.98	9.31	10.64	11.96	13.29
Ø 12.5 mm	1.44	2.89	4.33	5.77	7.21	8.66	10.10	11.54	12.98	14.43
Ø 13 mm	1.56	3.12	4.68	6.24	7.80	9.36	10.92	12.48	14.04	15.60
Ø 16 mm	2.36	4.73	7.09	9.45	11.82	14.18	16.54	18.91	21.27	23.63
Ø 19 mm	3.33	6.67	10.00	13.33	16.66	20.00	23.33	26.66	30.00	33.33

NEW



Super Mini Tublast

The smallest internal pipe blaster has an exchangeable tungsten carbide deflection head which lets out the abrasive from one side.
The head of the Super Mini Tublast is capable of entering pipes of just 13 mm. With extension pipes the deflecting head can be attached to an adaptor nozzle with 3/4” BSP or 50 mm coarse thread.
The extension pieces can be delivered with 250, 500, 750 or 1000 mm length.

Super Mini Blast, deflection head	24500005
Super Mini Blast, adaptor nozzle 3/4” BSP	24500004
Super Mini Blast, adaptor nozzle 50 mm coarse	24500015
Super Mini Blast, extension pipe 250 mm	24500006
Super Mini Blast, extension pipe 500 mm	24500007
Super Mini Blast, extension pipe 750 mm	24500008
Super Mini Blast, extension pipe 1000 mm	24500009

Mini Tublast

This small internal pipe blaster has a exchangeable tungsten carbide deflection tip which spreads the abrasive at 360°.
The Mini Tublast is capable of blasting pipes with internal diameters of 30 to 100 mm.
It only fits ½" blasthose which can be ordered at required lengths.

Mini Tublast	24902000
Blasthose ½" (per meter)	16004000

Tublast

The Tublast internal pipe blaster has a exchangeable tungsten carbide deflection tip which spreads the abrasive at 360°. An internal nozzle of 13 or 16 mm can be selected.
It’s delivered with various centering collars for small pipe diameters and a centering carriage for blasting larger diameter pipes. This carriage can easily be set to fit different pipes.
The Tublast has a standard blast hose coupling connection and can efficiently blast pipes with internal diameters of 70 to 295 mm.

Tublast c/w carriage and 13 mm nozzle	24901050/13
Tublast c/w carriage and 16 mm nozzle	24901050/16

Rotoblast

The Rotoblast has a rotating head which is driven by the force of the compressed air escaping the two nozzles. It has a break system to avoid excessive turning speeds of the head.
Different tungsten carbide nozzles can be chosen depending on pipe diameters and compressed air capacities. Boron carbide nozzle are available on request.
The centering carriage comes with different leg lengths so it fits all diameters between 210 and 890mm.

Rotoblast complete with carriage (no nozzles)	24900050
Nozzle 6.0 mm Ø, l = 45 mm (per piece)	24000016
Nozzle 8.0 mm Ø, l = 45 mm (per piece)	24000017
Nozzle 8.0 mm Ø, l = 80 mm (per piece)	24000018
Nozzle 9.5 mm Ø, l = 100 mm (per piece)	24000019

NEW

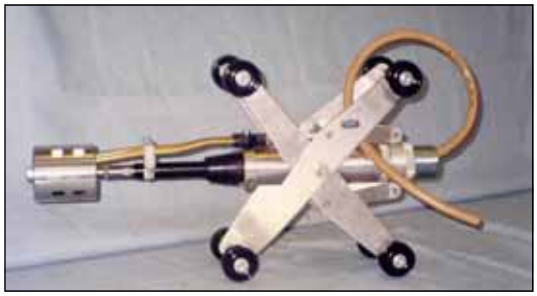
Jumbo Rotoblast

The Jumbo Rotoblast is the biggest model of the series. It has an extra large rotating head which is driven by the force of the compressed air escaping from the two nozzles. It has a break system to avoid excessive turning speeds of the head.
Different long venturi shaped tungsten carbide nozzles can be chosen depending on compressed air capacities. Boron carbide nozzle are available on request.
The legs of the centering carriage can be set to fit diameters of pipe between 890 and 1600 mm.

Jumbo Rotoblast c/w carriage (no nozzles)	24502400
Nozzle 6.0 mm Ø, l = 135 mm (per piece)	24502458
Nozzle 8.0 mm Ø, l = 145 mm (per piece)	24502459
Nozzle 9.5 mm Ø, l = 170 mm (per piece)	24502460

NEW

The semi-automatic **winch system** is specially developed for the Tublast & (Jumbo) Rotoblast but can also be used with pipe coaters. The winch has a strong motor and is PLC controlled. It pulls at the blast hose with an adjustable but constant speed from almost zero to 3 meters per minute giving a constant and reproducible result.
A switch is mounted to stop the motor when the unit has cleaned or coated the surface.
Contact us for more info.



In addition to the internal pipe blast equipment we've got various **pipe coaters** available to fulfil your painting needs for pipes of 80 to 900 mm.

Contact us for more info.

Blast light KR-80

These fully rubber blast lights are easy to attach to the nozzle holder and have easy exchangeable lenses. The lights can be delivered in 12V or 24V and both models have a bulb of 20W.
The lights come standard with 5 meters of 2 x 0.75 mm² cable. Optionally a CEE connector or longer lengths of cable can be ordered.

Blast light KR-80/12, 12V	50000112
Blast light KR-80/12C, 12V with CEE connector	50002112
Blast light KR-80/24, 24V	50000124
Blast light KR-80/24C, 24V with CEE connector	50002124
Electric cable (per meter)	50200005

Blast light JL-100

This fully rubber blast light can be used to put in a blast room or other dusty areas.
The light is 24V with a bulb of 100W and comes standard with 5 meters of 2 x 1.5 mm² cable. Optionally a CEE connector or longer lengths of cable can be ordered.

Blast light JL-100	50600095
Blast light JL-100/C, with CEE connector	50600295
Electric cable (per meter)	50200005

Transformer

To supply the blast lights with a safe 24V voltage, one of the rubber transformers can be used.
These transformers are manufactured according NEN 1010 and CE. They are also IP 44-57 and double isolated according class II.
Not only are the transformers suitable for permanent outdoor use, they are oil & acid resistant as well
All models come with 3 meter 2 x 1.5 mm² cable and Suco plug.

Transformer, 500 VA, 230 - 24V, 2 x CEE	50122416
Transformer, 1000 VA, 230 - 24V, 2 x CEE	50022416
Transformer, 2 x 1000 VA, 230 - 24V, 4 x CEE	50042416

Other models available on request.

Contractors Choice

Revolutionizing blasting helmet 'NOVA 2000'

Enjoy more comfort, less fatigue, better protection and improved productivity!

The NOVA 2000 blasting helmet has been designed by and for blasting professionals. Years of experience led to one of the most advanced blasting helmets available.

The NOVA 2000 sits snug on your head and turns when you turn your head, no need to look at the side of your helmet.

The light weight pillow foam padding distributes the weight of the helmet evenly over the head . Gone is the top weight feeling.

Optimum visibility without side glare and the unique tear off lenses save a lot of time.

The cape is attached with 8 snap lock domes and cannot fall off.

With the internal pillow foam padding and a built in silencer foam in the breathing tube the NOVA 2000 must be the quietest helmet on the market.

Blasting helmet 'NOVA 2000'	NV2000CE
Safety inner lens	NV2018
Outer lens	NV2031
Tear off lens	NV2017

CE 0194

EN 271: Respiratory Protective Devices
EN 166: High Velocity Eye Protection

1. Air duct distribution system diffuses an even flow of breathing air throughout the helmet to cool your head and face, and prevents the lens from fogging.
2. Luxurious, lightweight pillow foam padding ensures the helmet always sits comfortably on your head. The padding is Velcro mounted and easily removed for hygienic cleaning.
3. Super tough helmet shell made of high density polyethylene, UV stabilized and characteristically abrasion resistant.
4. Large, double lens, optimum vision without irritating side glare. Unique tear off lenses that really work!
5. Keep a constant eye on your airflow with the low flow indicator. This device allows the wearer to check that the airflow is sufficient to provide the necessary respiratory protection
6. Multi layered sound deadening foam. You'll enjoy wearing a helmet that reduces outside ear piercing noises to a minimum.
7. Strongly attached cape. Eight stud domes ensure the cape stays on. You won't experience the cape falling off.
8. Abrasion resistant cape cover band seals the cape and prevents abrasive from entering the helmet.
9. Snug detachable inner cape made of soft breathable fabric to allow air flow down your neck whilst maintaining positive pressure in the helmet to keep out contaminants.

Blasting helmets

The Commander and Panorama **blasting helmets** are made of a light weight glass fibre re-enforced polyester and are equipped with a rubber coating that provides the helmet a wear resistant surface and limits the effects of sounds caused by the rebounding of blast particles.
The helmets are tested according to EN 271 and provide the user a high protection against rebounding particles and vapours, gasses and other materials by a slight overpressure. The filtered air enters at the backside of the helmet and is leaded to the front of the helmet by the integrated airduct with airflow indicator. The yellow airflow indicator shows whether sufficient air is being passed into the blasting helmet by going out of sight by sufficient airflow and coming down between the eyes when the airflow is not sufficient enough. The required air supply can be adjusted with the regulator.
The wire mesh screen and the disposable window protect the helmet's safety window and can be exchanged.

Blast helmet 'Commander'
EN 271 standard
Concentrated field of vision
Rubber coating for decreased noise level
Comfortable, washable cotton neck seal
Fully adjustable headband for increased wearer comfort
Airflow indicator
Helmet material: glass fiber
Window size: 140 x 90 mm
Safety window material: ABS
Disposable window material: glass
Easy exchange of glass window and wire mesh screen

Blast helmet 'Commander'	12010000
Disposable window (per 25)	12010002
Wire mesh screen	12010001
Safety window	12010003

Blast helmet 'Panorama'
Standard EN 271
Large visor for maximum field of vision for operator
Rubber coating of helmet for decreased noise level
Comfortable washable neck seal
Fully adjustable headband for increased wearer comfort
Airflow indicator
Helmet material: glass fiber re-enforced polyester
Window size: 300 x 100 mm
Safety window material: Polyethylene (PE)
Disposable window material: acetate
Easy exchange of disposable windows and wire mesh screen

Blast helmet 'Panorama'	12000000
Disposable window (per 100)	12000002
Wire mesh screen	12000001
Safety window	12000004

Airhoods

The **airhoods** are assembled using totally clear components, providing the user with perfect vision and light inside the hood when working. This reduces any physical and psychological stress to an absolute minimum.
The unique visor clamps ensure an easy installation of the disposable window that protect the hoods safety window against damage and/or splashes. These disposable windows can be easily removed without the need to first remove the air hood.
The headband, supplied with a sweatband, can be adjusted in width and height for maximum comfort. The soft, washable face seal ensures a comfortable protective overpressure around the face.

Airhood 'Junior A'
Standard EN 1835
Class LDH2
Protection factor 50
Full-face clear visor system allows light inside and a wide vision
Full-face protection including chin and brow guard
Soft, elastic and washable face seal
Unique visor clamps system for disposable visors
Disposable visors removable during operation
Replaceable sweatbands
Quick release adjustable belt
Weight: 550 gram
Airflow indicator
Visor and shield material: acetate

Airhood Junior A - PL (for compressed air)	12020037
Airhood Junior A - VL (for powered respirator)	12020037VL
Disposable window (per 100)	12020038
Safety window	12020044

Powered respirator

Powered Respirator 'Airbelt' for Junior A - VL
The Airbelt powered respirator is used for dusty areas. The contaminated air is drawn through a dedicated P3 filter and supplies a continuous flow of clean air to the wearer's headpiece (hood or mask). The airflow to an airhood is 160 l/min and to a mask 80 l/min. The integral electronic control system continuously monitors the operation of the blower unit and provides a clear audible warning of any restriction in the air flow if below the permitted safety level. When using full face mask or airhood, the airflow is adjusted automatically as required.
The Airbelt is delivered complete with NiMH battery, charger, P3 filter and hose with bayonet connection. The battery will last for 5 hours with use of the airhood. It takes 6 hours to fully reload the battery.
In combination with the airhood Junior A it makes a perfect solution for example façade or industrial cleaning jobs.
The overall dimensions of the Airbelt are 135 x 224 x 69 mm and it weighs only 950 gram.

Powered respirator 'Airbelt'	1202VL00
Extra battery	1202VL01
Set of 3 pieces P3 filter	1202VL02

Helmet air filter

EN 12021

Helmet air filter case for blasting helmets and Junior A - PL
The first, interception, (pre) filter intercepts emulsions and solid particles up to 5 micron in diameter. A long working life combined with an excellent heat endurance and a good mechanical resistance makes this filter capable to be used in the hardest working conditions.

The second, coalescing, filter intercepts liquids and solids up to 0,1 micron. With a remaining oil content of 0,01 mg/m³ the air passing through this filter is practically 99,99% oil free.

Both filters are mounted with an automatic drain which drains the water/oil automatically as soon as the level of condensate lifts the floater. Also the filters are executed with pressure differential indicators. These show the clean state of the filter by a green area and the contaminated state by a red area. As soon as the red area is shown the filter elements should be replaced.

The third and last, activated carbon, filter works according the absorbing principle, eliminating all odors and vapors left after the first two filtering stages. This results in a remaining oil content of just 0,008 mg/m³

The filter case is furthermore executed with a pressure regulator and gauge. The maximum capacity is 500 l/min. which is more than enough for one operator. The overall dimensions of the strong stackable plastic case are: 300 x 183 x 400 mm.

Helmet air filter case	02700003
Filter element QE-0005 (first stage)	02040050
Filter element HE-0005 (second stage)	02042250
Filter element CE-0005 (third stage)	02043350

Helmet air conditioners

Hot and cold air tube for NOVA 2000

Vortex conditioner for Commander, Panorama and Junior A - PL

Helmet air conditioners
The conditioners help to maximize worker comfort and increase productivity whilst working in hot or cold climates.
The conditioners use breathable compressed air to produce cold or warm air to heat or cool a worker in protective helmets or hoods.

Temperature ranges of up to ± 20° C cooler or hotter than the inlet temperature can be achieved with a conditioner without moving parts, electricity, or Freon interference.

Cold air tube for NOVA 2000	4000-01CE
Hot air tube for NOVA 2000	4000-20CE
Vortex hot/cold air tube	12060012

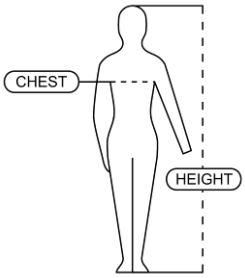
NEW

89/686/ICE
ISO 14877

Blast overall

Just like any other protective clothing, blasting overalls must oblige to the European directive 89/686/CE for personal protective equipment. Our heavy duty blasting overalls are delivered with the proper CE marking and are manufactured and tested EN ISO 14877 (*protective clothing for abrasive blasting operations using granular abrasives*).
The overalls are executed with leather reinforced fronts of the sleeves & legs and have leather elbow pieces and a leather collar.
The front closes by a first flap with press studs and a second flap with Velcro. The sleeves and legs are closed with Velcro straps. All of this ensures that no abrasive will enter the overall during blasting.

Leather reinforced blasting overall size S (50)	12200018
Leather reinforced blasting overall size M (52)	12200019
Leather reinforced blasting overall size L (54)	12200020
Leather reinforced blasting overall size XL (56)	12200021
Leather reinforced blasting overall size XXL (58)	12200022
Leather reinforced blasting overall size XXX (60)	12200023



Size		Chest	Height
S	(50)	84-92 cm	164-170 cm
M	(52)	92-100 cm	170-176 cm
L	(54)	100-108 cm	176-182 cm
XL	(56)	108-116 cm	182-188 cm
XXL	(58)	116-124 cm	188-194 cm
XXXL	(60)	124-132 cm	194-200 cm

Blast trousers and blouse

The blast trousers and blouse are made from heavy duty cotton with breathing abilities. Sleeves, trousers legs and neck are closed by elastic band so the worker is protected from dust or other particles. The trousers and blouse come in one size and can easily be worn over the normal work clothing.

Blast trousers	12020060
Blast blouse	12020050

NEW

Gloves

The strong leather gloves provide the user a high protection against rebounding abrasive. These gloves are specially designed for blasting. The palms are double layered for the best comfort.
The gloves come in one size.

Double palmed leather gloves	12050001

After coolers, air cooled
Compressed air conditioning is indispensable for ensuring fault-free performance of blasting and paint spraying equipment as well as for compressed air tools.

The after coolers cool the compressed air with atmospheric air. The air is cooled to approximately 10°C above ambient temperature. This causes the water vapor in the compressed air to condense. This is the only way it can be removed by the included separator.

The after coolers can be delivered with electric or pneumatic motors. Standard the coolers are delivered with separate steel plate legs on which the cooling block needs to be mounted. Optionally the after coolers can be delivered on "low legs" or in a heavy duty transport frame (with wheels).

Furthermore the separator can be executed with an automatic drain. Also compressed air filters can be added to reach an even higher quality of compressed air.

Electric execution 12V DC

After cooler RA-10-E12V, (1.0 m³/min), 1"	020212V0
After cooler RA-20-E12V, (2.0 m³/min), 1"	020212V2
After cooler RA-30-E12V, (3.0 m³/min), 1½"	020212V6
Control and safety switch	020212V3

Electric execution 230V

After cooler RA-10-E, (1.0 m³/min), 1"	02020001
After cooler RA-20-E, (2.0 m³/min), 1"	02020002

Electric execution 400-440V

After cooler RA-30-E, (3.0 m³/min), 1½"	02020003
After cooler RA-40-E, (4.0 m³/min), 1½"	02020004
After cooler RA-65-E, (6.5 m³/min), 2"	02020006
After cooler RA-80-E, (8.0 m³/min), 2"	02020007
After cooler RA-120-E, (12.0 m³/min), 2"	02020008
After cooler RA-160-E, (16.0 m³/min), 2½"	02020009
After cooler RA-200-E, (20.0 m³/min), 3"	02020010
After cooler RA-250-E, (25.0 m³/min), 3"	02020011
After cooler RA-300-E, (30.0 m³/min), DN100	02020012

Electric execution 230V

Surcharge 230V execution models 30 to 80	02OMBOUW

Pneumatic execution

After cooler RA-20-PN, (2.0 m³/min), 1"	02021002
After cooler RA-30-PN, (3.0 m³/min), 1½"	02021003
After cooler RA-40-PN, (4.0 m³/min), 1½"	02021004
After cooler RA-65-PN, (6.5 m³/min), 2"	02021006
After cooler RA-80-PN, (8.0 m³/min), 2"	02021007
After cooler RA-120-PN, (12.0 m³/min), 2"	02021008
After cooler RA-160-PN, (16.0 m³/min), 2½"	02021009
After cooler RA-200-PN, (20.0 m³/min), 3"	02021010
After cooler RA-250-PN, (25.0 m³/min), 3"	02021011
After cooler RA-300-PN, (30.0 m³/min), DN100	02021012

Automatic drain for separator

Automatic drain for all models, AM-10	02045601

AM-10

The mentioned capacities in m³/min are based on:

- *compressed air inlet temperature of 100°C,*
- *ambient temperature of 25°C,*
- *ΔT of 10°C,*
- *pressure of 7 bar.*

For different conditions and bigger models please contact us.

Compressed air filters

For the removal of polluting particles and any water and oil vapor, four types of compressed air filters can be installed:

Series QF: Pre-filter of 5 micron
Series PF: Coalescing filter of 1 micron
Series HF: Coalescing filter of 0,01 micron
Series CF: Activated carbon filter for the removal of odors.

Optional pressure differential indicators/gauges and automatic drains can be installed on the QF, PF and HF series.

Filter capacity and connection	QF	PF	HF	CF
Filter 0005, (0.5 m³/min), ⅜”	02040001	02041100	02042200	02043300
Filter 0010, (1.0 m³/min), ½”	02040002	02041101	02042201	02043301
Filter 0018, (1.8 m³/min), ¾”	02040003	02041102	02042202	02043302
Filter 0030, (3.0 m³/min), ¾”	02040012	02041111	02042211	02043311
Filter 0034, (3.4 m³/min), 1”	02040004	02041103	02042203	02043303
Filter 0050, (5.0 m³/min), 1”	02040005	02041104	02042204	02043304
Filter 0072, (7.2 m³/min), 1½”	02040006	02041105	02042205	02043305
Filter 0095, (9.5 m³/min), 1½”	02040007	02041106	02042206	02043306
Filter 0125, (12.5 m³/min), 2”	02040008	02041107	02042207	02043307
Filter 0165, (16.5 m³/min), 2”	02040009	02041108	02042208	02043308
Filter 0220, (22.0 m³/min), 2½”	02040010	02041109	02042209	02043309
Filter 0280, (28.0 m³/min), 3”	02040011	02041110	02042210	02043310

Optional extras

Differential pressure indicator	02045602
Automatic drain for filter	02045601

Filter elements

For filter type	QF	PF	HF	CF
Filter 0005, (0.5 m³/min)	02040050	02041150	02042250	02043350
Filter 0010, (1.0 m³/min)	02040051	02041151	02042251	02043351
Filter 0018, (1.8 m³/min)	02040052	02041152	02042252	02043352
Filter 0030, (3.0 m³/min)	02040053	02041153	02042253	02043353
Filter 0034, (3.4 m³/min)	02040054	02041154	02042254	02043354
Filter 0050, (5.0 m³/min)	02040055	02041155	02042255	02043355
Filter 0072, (7.2 m³/min)	02040056	02041156	02042256	02043356
Filter 0095, (9.5 m³/min)	02040057	02041157	02042257	02043357
Filter 0125, (12.5 m³/min)	02040058	02041158	02042258	02043358
Filter 0165, (16.5 m³/min)	02040059	02041159	02042259	02043359
Filter 0220, (22.0 m³/min)	02040060	02041160	02042260	02043360
Filter 0280, (28.0 m³/min)	02040061	02041161	02042261	02043361

Transport frames

Low legs

High frame

Low frame with wheels

Low frame

When the after coolers are use a lot on location, it's advisable to mount them in one of the heavy duty transport frames. These powder coated frames protect all vital parts and make it easy to transport the machine.

"Low legs" execution

For models 10, 20, 30, 40, 65 and 80	020212V5

"High" transport frame with forklift openings

For model 20 *(no forklift openings)*	02301000
For models 30 and 40	02301002
For models 65 and 80	02301003

"Low" transport frame with wheels

For models 30 and 40	02301001
For models 65 and 80	02301004
Bracket for additional filter(s)	02301010

"Low" transport frame with forklift openings

For models 120 and 160	02301006
For models 200, 250 and 300	02301007

Combi units

The **combi units** are unique combinations of an after cooler together with a BlastMate blastpot or a MicroStrip machine. The pot and after cooler are built together to form one steady frame on two big wheels and two castor wheels.

Depending on the compressed air consumption combi units can be built with the after cooler models 20, 30, 40, 65 and 80. Every size pot, from 18 to 200 liter, is possible.
When a MicroStrip machine is used all gauges will be put in a special panel on top of the after cooler. So they are clearly visible.

To put together the combi unit you want, simply choose your blast machine & after cooler and add the right frame mentioned below. With a MicroStrip machine also choose the correct gauge panel.

Combi frames

Combi frame for after cooler model RA-20	02302000
Combi frame for after cooler model RA-30 & 40	02302010
Combi frame for after cooler model RA-65 & 80	02302020

Gauge panel for combi with MicroStrip machine

Gauge panel for combi with RA-20	02302005
Gauge panel for combi with RA-30 & 40	02302015
Gauge panel for combi with RA-65 & 80	02302025

The **SkidMate** units are ideal for jobs like restoration work or graffiti removal. All necessary items are built on one frame.
The worker is totally independent and can execute his work anywhere. Besides that the van or trailer used for transport can still be used for other purposes.

BlastMate blastpot or MicroStrip machine
Every type of 18, 40 or 60 litre blastpot or MicroStrip machine can be chosen. When moisturized or wet blasting is required, the base frame can be built as a water tank. A pneumatic water pump unit is then necessary to transport the water from the tank to the nozzle.

After cooler
The after cooler cools the compressed air with ambient air. This cooling makes the water vapour condense which is then taken out by a separator for problem free operation. The after cooler can also be extended with suitable compressed air filters.
The after cooler is either air powered or by the compressor's 12 V battery.

Compressor
Various types of rotary screw compressors are available. Small Winair petrol driven compressors or diesel driven Kaeser ones.
The capacity of the compressor will depend on the application.

Base frame / Water tank
The base frame with forklift openings can also be easily moved by a pallet truck. This base frame can also be built as a water tank. Also separate plastic water tanks can be used.

Cover
The whole can be covered by a frame with a tarpaulin cover or a steel box construction with aluminium roller shutters.

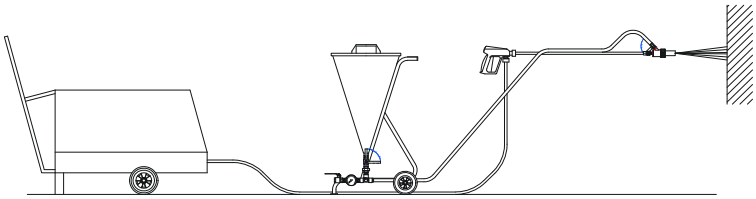
Please contact us for more detailed information about a suitable model for your application.

The specially designed **MicroStrip Media Injector (MMI)** puts more muscle in your pressure washer. The MMI is an accessory to pressure washers, precisely metering all fine abrasives into the water stream.

Features

- The accurate media flow control assembly can meter from 0.4 to 1.5 kg/min.
- A glycerine filled vacuum gauge indicates the media flow rate.
- Various orifices of calibre plates make the use of all kinds of abrasive possible.
- A selection of water nozzles suit pressure washers from 200 to 300 bars with different volumes.
- The unique fan nozzle creates a wide pattern of the water and abrasive stream of up to 75% larger than competitive nozzles.
- The silicon carbide nozzle lining ensures a much longer life time than competitive nozzles.
- With the overall dimensions of 575 x 415 x 895 mm and a weight of 18 kg the MMI is very portable.
- 10 meters of abrasive hose results in great flexibility.
- With the hopper contents of 30 litres, at least one 25 kg bag of most abrasives will fit.
- The fully stainless steel design makes it ideal for the use in the food and beverage industry.

MicroStrip Media Injector (MMI), complete	23800000
MMI Gun assembly only	23800400



The **MicroStrip Precision System (MPS)** is specially designed for the most precise blasting and cleaning needs like the restoration of delicate statues and ornaments.

All fine abrasives can be used efficiently with the boron carbide nozzles of 1.2 and 1.8 mm. The caliber plates with different orifices guarantee a minimum abrasive consumption.

It's unique design makes it possible to work with pressures as low as 0.5 bar. Blasting activities are being stopped immediately because of the quick decompression valve on the pressure pot.

It's small and portable design is ideal for use on scaffolding etcetera.

Benefits:

- Direct pressure feed method!
- Large pot contents
- Suitable for all abrasives with the boron carbide nozzles
- Nozzle protection
- Wear resistant design of nozzle holder and mixing assembly
- Caliber plates with various orifices for precise media metering
- Quick stop due to the decompression valve on the pot
- Flexible but wear resistant 6 x 14 mm blast hose
- Precise operation with the control valve on the holder
- Built in strong plastic stackable case

MicroStrip Precision System (MPS)	23MPS000
Boron carbide nozzle 1.2 mm	23MPSN12
Boron carbide nozzle 1.8 mm	23MPSN18

NEW

The **Pequena** is a budget blasting and cleaning system but built according high standards and the rules of the obligatory European Pressure Equipment Directive 97/23/EC (PED).
The used components and its unique design make it the perfect system for professional blasting and cleaning jobs.

The machine can be filled quickly through the large self-closing filling assembly. The integrated sieve avoids too big particles entering the vessel which could cause blockages.
The wanted blasting pressure can be set with the machine's precise regulator valve. With the "MS" model, blasting with just 0.1 bar is possible. The machine reacts very fast on the remote control on the hose package for the start and stop of blasting.
The nozzle can also be executed with a wetblast attachment to control the dust during blasting.

The '**RC**' model, for general blast cleaning jobs, has a very precise and wear resistant membrane metering valve. The amount of abrasive can be set manually.

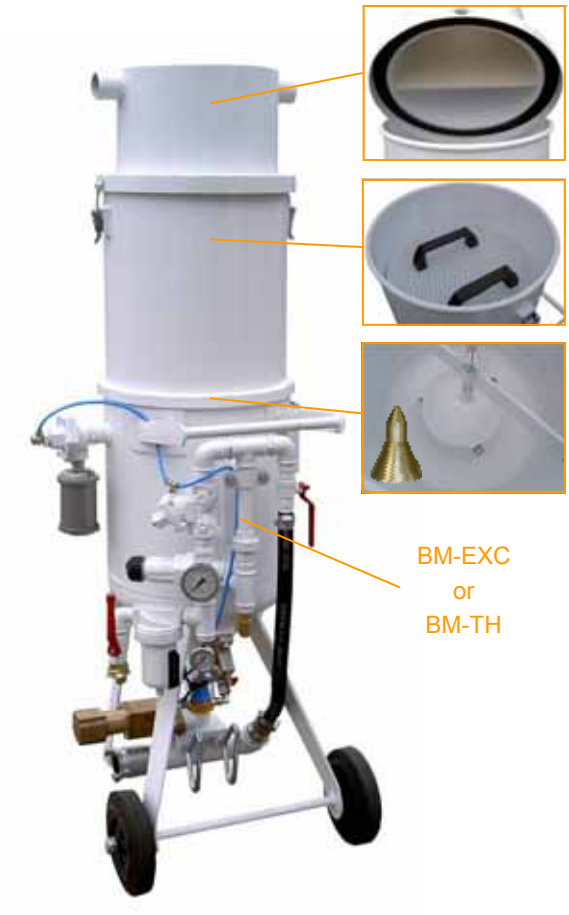
The '**MS**' model, for delicate (restoration) work and ARMEX soda blasting has an abrasive metering valve with a fixed orifice. This guarantees a precise and minimum consumption of the finest abrasives. This special metering valve gives the best control over the result for delicate jobs.

All sorts of abrasives can be used for i.e.: graffiti removal, restoration jobs, car body work, spot repair, woodwork and general paint & rust removal.
The 'MS' model can also be used with the special ARMEX soda blasting media with which objects can be treated without any distortion of the surface. Applications of ARMEX are numerous in the off-shore, petrochemical and food industry, engine overhaul and much more...

Length:	400 mm	Nozzle:	3 or 4 mm
Width:	250 mm	Blast pressure:	0.1 - 7 bar
Height:	780mm	Air consumption	
Weight:	17 kg	◦ 3 mm nozzle:	max. 580 l/min
Contents:	7 litres	◦ 4 mm nozzle:	max. 1030 l/min
Hose length:	5 meters	Optional extra:	Wet blast attachment

PEQUENA blasting systems

PEQUENA-RC c/w 5 m. hose and 4 mm nozzle	20PEQ-RC
PEQUENA-MS c/w 5 m. hose and 4 mm nozzle	20PEQ-MS
Wet blast attachment	15700005



The BlastMate **dust free blast units (DFU)** are based on a blastpot type EXC or TH of choice and according abrasive separator, sieve, silo and filling cone assembly.
We can deliver the DFU complete with blast- and suction head, hose package and a sufficient suction unit.
The capacity of the used suction unit determines the maximum blast pressure and type of abrasive to be used.

The rubber lined bump plate separates the heavier abrasive from the dusty air flow which goes to the suction unit.
The sieve ensures that too big particles which are sucked back cannot enter the blastpot.
The silo hold the right content of abrasive for the used blastpot.
The bronze filling cone cuts through the abrasive and the cover above ensure enough free to push the abrasive away to.

For the various blastpots total heights are:
- 18 litre: 1445 mm
- 40 litre: 1535 mm
- 60 litre: 1910 mm
- 100 litre: 1970 mm

BlastMate Dust Free Units (DFU)

Separator, sieve, silo, filling cone for 18 liter	08100000
Separator, sieve, silo, filling cone for 40 liter	08100001
Separator, sieve, silo, filling cone for 60 liter	08100002
Separator, sieve, silo, filling cone for 100 liter	08100003

An 18, 40, 60 or 100 litre BM-EXC or BM-TH should be added.

Extras

Blast- and suction head c/w hose package 10m	08100010
Blast- and suction head only	1550COMP
Suction unit P1-5-PL604	20200015

Besides the standard DFUs we can build machines to fulfill your special needs with features like: pneumatic vacuum units, trolleys, integrated switchboxes, pre separators and special membrane fiber filters for soda blasting purposes and much more.

FOX series blast cabinets

This professional budget range is accessible to all sectors of the industry due to its affordability. All cabinets use standard the suction feed method. Compressed air is used to create a 'venturi' effect which is used to draw blast media from the hopper of the cabinet up to the blast gun where it is propelled onto the surface of the components which are to be treated. The media then falls back to the hopper and is recycled.
The FOX 10 is a bench model and has an industrial vacuum cleaner as a filter. The FOX 25 and 50 have their own stand, an integral pocket filter and several other extra's. The FOX 50 can be converted to the direct pressure method using the direct pressure kit. A small blastpot is then mounted directly under the hopper of the cabinet. The blast room will be rubber lined.

	FOX 10	FOX 25	FOX 50
Blast room	L = 750 mm W = 530 mm H = 480 mm	L = 810 mm W = 610 mm H = 740 mm	L = 910 mm W = 700 mm H = 740 mm
Door	450 x 430/230 mm	530 x 680/400 mm	680 x 680/400 mm
Window	620 x 240 mm	690 x 180 mm	780 x 310 mm
Max object weight	30 kg	50 kg	50 kg
Air connection	¼" male thread	½" ferule	½" ferule
Air nozzle	3.0 mm	3.0 mm	3.0 mm
Blast nozzle	6.5 mm Tungsten	6.5 mm Tungsten	6.5 mm Tungsten
Air consumption	3 bar : 250 l/min 4 bar : 355 l/min 5 bar : 420 l/min 6 bar : 500 l/min 7 bar : 585 l/min	3 bar : 250 l/min 4 bar : 355 l/min 5 bar : 420 l/min 6 bar : 500 l/min 7 bar : 585 l/min	3 bar : 250 l/min 4 bar : 355 l/min 5 bar : 420 l/min 6 bar : 500 l/min 7 bar : 585 l/min
Blast control	Trigger on gun	Full width foot pedal	Full width foot pedal
Electrics	220V, 1 ph, 50 Hz	220V, 1 ph, 50 Hz	220V, 1 ph, 50 Hz
Lighting	18 Watt fluorescent	18 Watt fluorescent	2 x 18 Watt flrscnt
Dust extraction	Industrial vacuum cleaner	Integral 3 pocket filter bag unit	Integral 3 pocket filter bag unit
Standard extras	Standard 2 doors	Separate air gun	Separate air gun

FOX series blast cabinets

Blast cabinet FOX 10	25010110
Blast cabinet FOX 25	25010125
Blast cabinet FOX 50	25010150

FOX series options

Boron carbide blast nozzle	25020412
Filter / pressure regulator for FOX cabinets	19002500
Foot pedal (FOX 10)	25010520
Turntable 25 kg, Ø 450 mm (FOX 25 & 50)	25045025
Turntable 25 kg, Ø 600 mm (FOX 25 & 50)	25060025
Turntable 80 kg, Ø 450 mm (FOX 25 & 50)	25045080
Turntable 80 kg, Ø 600 mm (FOX 25 & 50)	25060080
Direct pressure kit (FOX50)	25010500

VM series blast cabinets

This industrial range is designed to provide quick, clean and efficient first class results across a wide range of blast cleaning and blast treatment applications. All cabinets use standard the suction feed method. Compressed air is used to create a 'venturi' effect which is used to draw blast media from the hopper of the cabinet up to the blast gun where it is propelled onto the surface of the components which are to be treated. The media then falls back to the hopper and is recycled.
All models can be converted to the direct pressure method using the direct pressure kit. A small blastpot is then mounted directly under the hopper of the cabinet. The blast room will be rubber lined.

	VM 36	VM 42	VM 55
Blast room	L = 920 mm W = 760 mm H = 760 mm	L = 1070 mm W = 760 mm H = 760 mm	L = 1400 mm W = 910 mm H = 910 mm
Window	785 x 330 mm	785 x 330 mm	785 x 330 mm
Max object weight	50 kg	70 kg	500 kg
Air connection	½" ferule	½" ferule	½" ferule
Air nozzle	3.75 mm	3.75 mm	3.75 mm
Blast nozzle	8.0 mm Tungsten	8.0 mm Tungsten	8.0 mm Tungsten
Air consumption	3 bar : 395 l/min 4 bar : 490 l/min 5 bar : 580 l/min 6 bar : 700 l/min 7 bar : 880 l/min	3 bar : 395 l/min 4 bar : 490 l/min 5 bar : 580 l/min 6 bar : 700 l/min 7 bar : 880 l/min	3 bar : 395 l/min 4 bar : 490 l/min 5 bar : 580 l/min 6 bar : 700 l/min 7 bar : 880 l/min
Blast control	Full width foot pedal	Full width foot pedal	Full width foot pedal
Electrics	220V, 1 ph, 50 Hz	220V, 1 ph, 50 Hz	220V, 1 ph, 50 Hz
Lighting	100 Watt halogen	100 Watt halogen	100 Watt halogen
Dust extraction	Integral air cleaned cartridge filter	Integral air cleaned cartridge filter	Integral air cleaned cartridge filter
Standard extras	Separate air gun Air filter Pressure reducer	Separate air gun Air filter Pressure reducer	Separate air gun Air filter Pressure reducer

VM series blast cabinets

Blast cabinet VM 36	25010136
Blast cabinet VM 42	25010142
Blast cabinet VM 55	25010155

VM series options

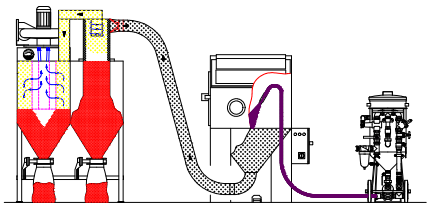
Boron carbide blast nozzle	15020106
Swing in/out turntable 25 kg, Ø 450 mm	25070000
Turntable 25 kg, Ø 450 mm	25045025
Turntable 25 kg, Ø 600 mm	25060025
Turntable 80 kg, Ø 450 mm	25045080
Turntable 80 kg, Ø 600 mm	25060080
Mobile trolley & 1 m rail for above turntables	25080000
Direct pressure kit	25010500
Auto clean on cartridge filter	255002AU

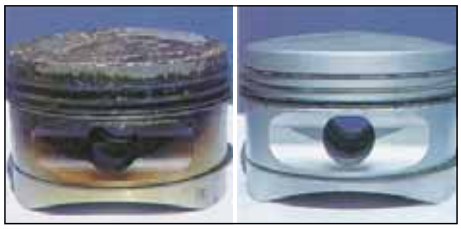
With the **Direct Pressure Kit**, suction feed blast cabinets can easily be converted to direct pressure method blast cabinets.
The direct pressure kit consists of a small 5 liter blastpot, pneumatic air valve and Saunders metering valve. The blasting time of the pot is about 3-4 minutes. In practice this is more than enough because when blasting is stopped for i.e. checking the result or getting another object the pot is automatically being refilled .
The direct pressure kit is delivered complete with 3 meters ½" blast-hose and a 6 mm tungsten carbide nozzles (4 and 8 mm nozzles on request). White rubber lining to protect the inside of the cabinet can be delivered as well.

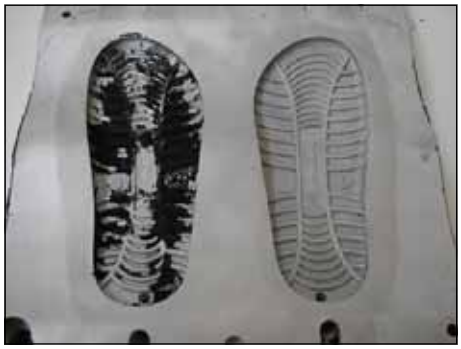
Direct pressure kit	25010500
White rubber lining, width = 1.2 m (per meter)	40100043

Besides the standard FOX and VM series blast cabinets there are numerous specific machines to fulfill your needs like: flip top cabinets, indexer machines for continuous blasting, tumbler machines and twin blastpot machines.
Should your requirements not be met by our standard range we can design a custom-made machine built with any special requirements your application demands.

The **GloveBox** is specially designed for the cleaning or depainting of delicate objects with the ARMEX® baking soda media. Because of the softness and friability of ARMEX® it will disintegrate on impact without damage to or distortion of the substrate. The ARMEX® media can therefore only be used once and creates (in comparison with other media) a heavy dustload.
The GloveBox systems are one of the very few systems capable of working under these circumstances. The special filter and pre-separator unit guarantee good visibility inside the cabinet and long term problem free operation.







Features

- GloveBox cabinet with blast hose & nozzle, air gun, large door with inhibitor switch, foot pedal control for MicroStrip machine and large window with 'inlet air-knife' for good visibility.
- Large turntable for easy handling of objects.
- Switchboard with clear controls and indicators of all system functions.
- Renowned MicroStrip machine for the constant and precise delivery of the ARMEX® media.
- High efficiency pre-separator cyclone which takes out 95% of all used media and dust. This ensures the filter capacity in long term. (not on GloveBox budget)
- Filter unit with large cartridge surface which is executed with automatic reverse air pulse cleaning and monitor gauge for problem free operation. The clean air is blown back into the surroundings.
- Hoppers are executed with butterfly valves and plastic waste bags for the simple disposal of used media and dust (not on GloveBox budget).

NEW

GloveBox Budget system

GloveBox Budget (600 x 600 mm) c/w...	13GBPP10
… Pequena-MS	20PEQ-MS

GloveBox 600 system

GloveBox 600 (600 x 600 mm) c/w...	13GBPP25
…MicroStrip machine MM18	23200010
…MicroStrip machine MM40	23200015

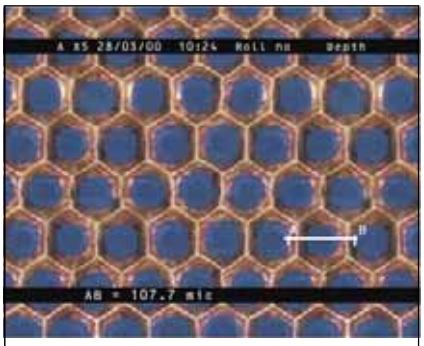
GloveBox 800 system

GloveBox 800 (800 x 800 mm) c/w...	13GBPP30
…MicroStrip machine MM18	23200010
…MicroStrip machine MM40	23200015

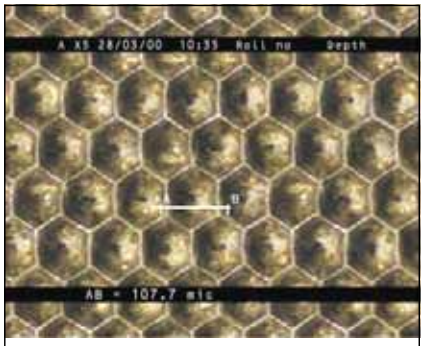
GloveBox 1000 system

GloveBox 1000 (1000 x 1000 mm) c/w...	13GBPP50
…MicroStrip machine MM18	23200010
…MicroStrip machine MM40	23200015

For more information about larger models and special executions please contact us.



Before



After

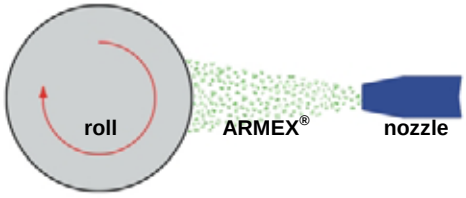
The **FlexoMate** anilox roll cleaning systems are based on the dry use of the specially formulated sodium bicarbonate ARMEX®. Delivered under pressure using compressed air this crystal physically removes the ink from the substrate. Because of its softness and friability it disintegrates on impact without damage to or distortion of the roll and its bearings.

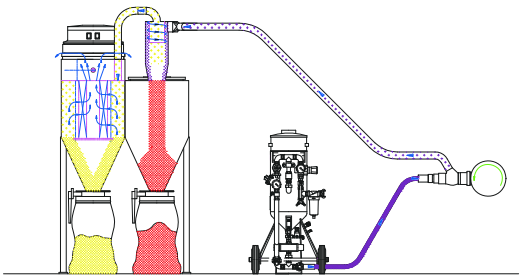
The rolls are cleaned to their original state, resulting in the same printing results as you would obtain with new ones. Not only engraved ceramic rolls but also chrome rolls, glue rolls, squeeze rolls, and guide rolls can be cleaned. They all become as new in less time and against less costs than ever before. This without the use of chemicals and water. The only waste left is the used cleaning media ARMEX® which is completely environmentally safe and therefore easy to dispose.

All FlexoMate systems work fully automatic. Cleaning is done in very little time without almost any man hours spent.
The systems can be built in various executions depending on roll length, capacity and in-press or off-press application.
Besides the roll cleaning cabinet a 'GloveBox' is available to manually clean all other parts of the press.

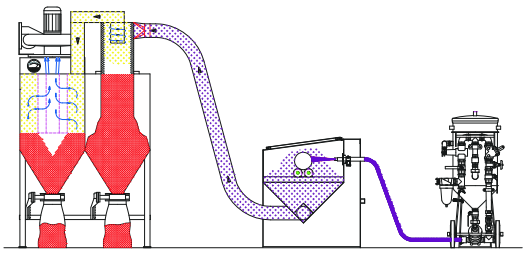
Benefits

- Thorough in-depth cleaning
- No use of chemicals or water
- Fast automatic operation
- Easy to operate
- No risk to roll





In-press systems



Off-press systems

For more information about the different possibilities of the in– & off-press models please contact us.

ARMEX® blasting and cleaning media, is industry's leading baking soda-based abrasive technology. Use to clean, depaint and degrease a wide variety of substrates including ferrous metals, aluminum and other alloys, plastics and composites and masonry materials like brick, concrete and natural stone. ARMEX® is even gentle enough to use on glass without etching.

Clean on or near rotating equipment
Because the ARMEX® crystal is soft and friable, it will not damage bearings, seals, or other moving components like hard abrasives will.

Avoid plant shutdowns
ARMEX® is ideal for turnaround situations because many cleaning and depainting jobs can be done while the plant and equipment are still in operation. ARMEX® formulations are non-flammable, and, with the exception of Profile Formula XL, are non-sparking and can be used in hazardous duty areas - usually without costly downtime.

Save time, labor, and money
Quickly and thoroughly clean or depaint virtually any surface with little or no masking or pre-washing. Ideal for intricate and hard-to-reach areas, reducing or eliminating solvent cleaning and hand tooling.

Provide a cleaner surface
Superior contaminant removal provides for a cleaner surface, which is fundamental to maximizing coating performance.

Ideal for NDI / NDT preparation
Quickly exposes surfaces for non-destructive inspection and testing, with no metal removal or crack closure.

Reduce waste volume and disposal costs
Compared to other blast media, less ARMEX® is required to clean or depaint a square meter of surface area. The result is less waste generated. Also, spent ARMEX® media in and of itself is non-hazardous and is easier and less expensive to dispose of. In most cases, it can be disposed of in a sanitary landfill or, because it's soluble, can be washed into a sanitary sewer,. In fact, it may even be beneficial as a buffering agent during the waste treatment process.

Superior worker safety and environmental profile
ARMEX® media provides a superior worker and environmental safety profile compared with solvents, caustic chemicals, high pressure water and sandblasting. The media contains no free silica.

Appropriate for food plants
USDA-approved as an A-1 cleaner. ARMEX® Soluble Blast Media is also suitable for use in FDA-regulated facilities.

Master Distributor
ARMEX™
Cleaning and Coating Removal Systems

ARMEX® media can be used to remove virtually any coating and contamination from almost any surface.
Formulations and equipment can be ideally combined for use in a wide range of applications to remove: paint, dirt, grease, oil, carbon and more, from steel, stainless steel, aluminum, galvanized metal, concrete, ceramic tile, glass, plastics, rubber, neoprene and more.

Application industries

- Architectural Building Cleaning / Depainting
- Drug Processing
- Food / Beverage Processing
- Metals Foundries
- Military
- Mining
- Oil and Gas Production
- Petrochemical
- Plastics Manufacturing
- Printing Industry
- Power Generation
- Pulp & Paper
- Refining
- Steel Production
- Textile Production
- Transportation

The Formulas

- Proprietary baking soda-based soluble abrasives.
- Proprietary free-flowing qualities reduce flow problems associated with baking soda.
- Wide selection of formulas provides solutions to most coating removal problems.

Composite Formula
About 70 microns, gentle enough to remove paint from delicate substrates like fiberglass.

Maintenance Formula
About 170 microns, ideal for general cleaning applications.

Maintenance Formula XL
About 270 microns, making it highly effective in paint removal applications.

Hydroflex Formula XL
About 270 microns and designed for use with power washers. It 'breaks' the water surface tension so oil and grease are really removed rather then moved around.

ARMEX Formulas

Composite Formula	35500005
Maintenance Formula	35500001
Maintenance Formula XL	35500002
Hydroflex Formula	35500006

To work efficiently with ARMEX® one of these fine metering delivery systems should be used.

MMI | Pequena | MicroStrip | GloveBox

The BlastMate **Mobile filter units** are designed for dust collection during surface treatment activities such as blasting, grinding or façade cleaning. The models distinguish themselves by size, design, capacities and ready to use functionality.
Each unit can be lifted by a forklift truck from all four sides or a pallet truck . Also hoisting eyes are mounted so the unit can be lifted by a crane.
The automatic filter cleaning system cleans the cartridges during as well as after operation of the filter unit. A pressure differential gauge indicates the state of the filter cartridges. All the functions and control signals are clearly indicated on the switchboard.
A silencer on the ventilator outlet and the silencing material in the rainhood result in a low sound level which makes the unit suitable to use in all areas.
The suction capacity can be set with the regulator valve on the outlet of the ventilator.
Optionally suction hose lengths and a suction labyrinth can be supplied.

Features

- Automatic filter cartridge cleaning system,
- Built in pre-separator,
- Silencer on ventilator outlet,
- Easy dust disposal with butterfly valves,
- Filter cartridge condition indication,
- Ventilator direction control switch,
- ‘Ready to use’.

Technical Data				
Model	**P2/23/RD74/M**	**P4/23/MEC451/M**	**P6/23/FQ501/M**	**P8/23/FR502-2/M**
Length	1400 mm	2060 mm	2730 mm	3250 mm
Width	1000 mm	1000 mm	1200 mm	1200 mm
Height	2320 mm	2320 mm	2330 mm	2330 mm
Weight (approx.)	425 kg	975 kg	1250 kg	2000 kg
Ventilator type	Centrifugal, RD74	Centrifugal, MEC451	Centrifugal, FQ501	Centrifugal, FR502-2
Capacity	3.000 m³/h	6.000 m³/h	9.000 m³/h	12.000 m³/h
Static pressure	2000 Pa	2715 Pa	2800 Pa	2930 Pa
Motor power	4.0 kW	7.5 kW	11.0 kW	15.0 kW
Total unit power	4.1 kW	7.6 kW	11.2 kW	15.3 kW
Electrical supply	400V / 3+E / 50Hz	400V / 3+E / 50Hz	400V / 3+E / 50Hz	400V / 3+E / 50Hz
Cleaning rate	99.9 %	99.9 %	99.9 %	99.9 %
Max. dust emission	3 mg/Nm³	3 mg/Nm³	3 mg/Nm³	3 mg/Nm³
Filter surface	47.2 m²	94.4 m²	141.6 m²	188.8 m²
Number of cartridges	2 pieces	4 pieces	6 pieces	8 pieces
Filter load	1.06 m³/m²/min	1.06 m³/m²/min	1.06 m³/m²/min	1.06 m³/m²/min
Filter material	multi micro fibers	multi micro fibers	multi micro fibers	multi micro fibers
Suction hose	200 mm Ø	300 mm Ø	400 mm Ø	2 x 300 mm Ø
Article number	**40701001**	**40700001**	**40701002**	**40701003**

Paint fume extractors

The dry **paint fume extraction walls** in our delivery programme comply with the demands as stated in present environmental permits.

The paint fume extraction walls can be placed both in- and outdoors and have been supplied in great numbers to all kinds of industries over the last 20 years.

In standard execution the extraction walls are suitable for many type of companies and the present emission demands. If required, special filter techniques can be applied.

The dry paint fume extraction walls are manufactured from profile reinforced galvanized sheet steel of 1,25 mm and are executed with centrifugal ventilators. These ventilators are installed on the roof of the extraction walls and are executed with explosion safe EEX-II-T3 electric motors. The centrifugal ventilators can also be built inside the wall to safe space. Also special ventilators can be used for specific ATEX demands.

The dry paint fume extraction wall is in standard execution equipped with non-flammable exchangeable paper filters. An extra fine Paintstop filter can be placed to improve emission figures. To clean-off the evaporated solvents, active coal cartridges can be installed inside the paint fume extraction wall.

Length extraction wall	2000 mm	3000 mm
Height extraction wall	2000 mm	2000 mm
Depth extraction wall	900 mm	900 mm
Capacity	7200 m³/h	10800 m³/h
Power centrifugal	1.4 kW	2.2 kW

Paint fume extractor with centrifugal ventilator

Paint fume extractor 2000 x 2000 mm	05200200
Paint fume extractor 3000 x 2000 mm	05300200

For more information about different sizes and special executions please contact us.

Filters

Paper filter

Paintstop filter

Filter material

Paper filter (l = 11.3 m.)	05090500
Paintstop filter (l = 15.0 m.)	05002501

Blast rooms come in any required dimension. The rooms can be modular built from steel panels, this for the smaller dimensions, or be part of the building or the production hall. An easy access to the blast room is vital and can be achieved with doors on one or on both sides of the hall. Also transversal entrances are possible by hinged, folding or hoisting doors. Emergency exits must be provided in the doors or in walls of the blast room.

For protection the inside of the blast room and the doors are lined with wear resistant rubber. Specially designed dust tight lighting armatures give good visibility during blasting operations.

Dust extraction according to local regulations have to be taken in consideration and can be achieved with fabric hose filters or with continuous compressed air cleaned cartridge filters. To save energy the clean air can be returned to the blast room. An adjustable valve system can be set to summer or winter situation and guarantees an under pressure in the room to prevent dust emission from the room.

An abrasive recovery system is used to transport spent abrasive to a cleaning unit consisting of an elevator, air wash separator and silo. Optionally the unit can be extended with a fixed manually cleaned sieve or with a rotary screen sieve. For the simultaneous use of metallic and mineralogical abrasives a magnetic separator can be installed as well. The abrasive recovery system itself can be semi or full automatic.

A semi automatic recovery systems consists of a sweep pit with recovery trough and grid floor or a cross conveyor with trough and grid floor. In both cases foreseen with overflow protection and dosage valve to the elevator.

A fully automatic abrasive recovery can be obtained with the use of a low foundation scraper system, completely covered with grids over the entire floor area. While blasting the spent abrasive is transported by sturdy built scraper racks with either pneumatic, hydraulic or electric transmission.
The system requires a low foundation and has various options to carry heavy loads.

Another fully automatic solution is a deep hopper recovery system with conveyor belts and troughs covered with grid floor over the entire floor area. While blasting the conveyor belts transport the collected abrasive from the troughs to the elevator. The conveyor belts are protected against overflow and foreseen with dosage valve to ensure a regular flow of abrasive to the elevator and abrasive cleaning system.

For more information about the possibilities and the best solution for your specific needs please contact us!

Notes

Parts

Parts catalogue

Please contact us if you want to receive our special parts catalogue which include all drawings and part lists of:

- blast hoses,
- couplings,
- main air valves,
- Thompson valves,
- decompression valves,
- deadman controls,
- internal pipe blasting equipment,
- blast helmets,
- and much more...