



# Catalogue

## 2014

**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!

### Gritco Equipment BV

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## Safer blasting because of strict rules and legislation

Any one working with machinery knows this is not without danger. Therefore an increasing number of rules and regulations have been issued concerning the safety level of technical appliances. This in order to reduce the risk of accidents as much as possible. In this respect it is important for employers to know their legal responsibility for the periodical check ups of the equipment provided by them to the employees. They should also be aware of the insurance companies' common policy in case the provided equipment didn't comply with the relevant rules and directives: no or only partial compensation in case of accidents.

## A quick scan of the rules: non compliance may have serious effects

Because of the painful consequences of non compliance, we summarize the common and specific blasting rules and regulations:

- The European Work Equipment Directive states that machinery may not present any danger to the employee.
- The European Machinery Directive demands that manufacturers clearly state the safety level of the machinery by means of the CE mark.
- The European Pressure Equipment Directive 97/23/EC (PED) applies especially to blast pots. But this directive doesn't only concern the pressure vessel (as is a common believe). The rules apply to the assembly as a whole. A type of approval by a notified body is needed when the maximum operating pressure times the volume exceeds 200 ( $P_s \times V = > 200$ )

## Gritco offers one hundred+ safety

Gritco's blast pots are manufactured according to module B + C1. The B represents the "EC type examination" The C1 stands for "conformity to type". In practice this means the safety level is (more than) sufficient to 'withstand' an unexpected check by a notified body to verify the compliance with the given type of approval. Gritco's EC type examination is: 08-PED-ROT-B-08.4350-01. The C1 module number for 2014 is: A0002698.

## Not just the blast pot but the complete assembly

The CE-certificate which comes with Gritco's blast pots is solid proof of the conformity for the complete assembly. Of course the pressure vessel has also been constructed and tested in compliance with the rules. The certificate includes: a. model type b. serial number c. modules d. the respective names and addresses of the notifying body. The inspection of Gritco's module B + C1 is executed by DNV (Det Norske Veritas) with identification number 0427. This number must be shown on the machine plate. In this way the validity of the certificate (including the modules) can easily be verified.

## Clearly visible safety features

A blast pot (assembly) that has been produced and certified according to the Pressure Equipment Directive can be recognized by the following:

- Type plate of the blast pot's manufacturer showing the number of the notifying body.
- Type plate of the pressure vessel's manufacturer showing the number of the notifying body.
- Certificate of the blast pot's manufacturer stating the used modules plus numbers and the notifying body plus number. Just a certificate of the pressure vessel manufacturer is not sufficient!



Type-Examination Certificate



Certificate of Conformity



Machine Plate





## 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.

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, 3/4" piping	20020018
Blastpot BM-40-RC, 40 liters, 3/4" piping	20020033
Blastpot BM-60-RC, 60 liters, 1 1/2" piping	20020040
Blastpot BM-100-RC, 100 liters, 1 1/2" piping	20020080
Blastpot BM-140-RC, 140 liters, 1 1/2" piping	20020140
Blastpot BM-200-RC, 200 liters, 1 1/2" piping	20020200

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

S	C	R	F	H	T	V	U	2
I	E	L	W <sub>1</sub>	W <sub>2</sub>	P <sub>c</sub>	P <sub>a</sub>	117	

Contractors  
Choice



## 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.

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!



## BM-EXC series blastpots

Blastpot BM-18-EXC, 18 liters, 3/4" piping	20060018
Blastpot BM-40-EXC, 40 liters, 3/4" piping	20060033
Blastpot BM-60-EXC, 60 liters, 1 1/2" piping	20060040
Blastpot BM-100-EXC, 100 liters, 1 1/2" piping	20060080
Blastpot BM-140-EXC, 140 liters, 1 1/2" piping	20060140
Blastpot BM-200-EXC, 200 liters, 1 1/2" 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	W <sub>1</sub>	W <sub>2</sub>	P <sub>c</sub>	P <sub>a</sub>	167	117	137



## 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.

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, 3/4" piping	20070018
Blastpot BM-40-TH, 40 liters, 3/4" piping	20070033
Blastpot BM-60-TH, 60 liters, 1 1/2" piping	20070040
Blastpot BM-100-TH, 100 liters, 1 1/2" piping	20070080
Blastpot BM-140-TH, 140 liters, 1 1/2" piping	20070140
Blastpot BM-200-TH, 200 liters, 1 1/2" piping	20070200

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

S	C	R	F	H	T	V	M	3m	3s	2
U	I	E	L	W <sub>1</sub>	W <sub>2</sub>	P <sub>c</sub>	P <sub>a</sub>	167	117	137

**Most  
Efficient**



## Advantages

- Only decompression to refill abrasive, saves compressed and far less 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!

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 .
- 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-ECO series blastpots

Blastpot BM-18-ECO, 18 liters, 3/4" piping	20080018
Blastpot BM-40-ECO, 40 liters, 3/4" piping	20080033
Blastpot BM-60-ECO, 60 liters, 1 1/2" piping	20080040
Blastpot BM-100-ECO, 100 liters, 1 1/2" piping	20080080
Blastpot BM-140-ECO, 140 liters, 1 1/2" piping	20080140
Blastpot BM-200-ECO, 200 liters, 1 1/2" piping	20080200

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

S	C	R	F	H	T	V	M	3m	3s	2
U	I	E	L	W <sub>1</sub>	W <sub>2</sub>	P <sub>c</sub>	P <sub>a</sub>	167	117	137

**Most  
Precise**



## 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!

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

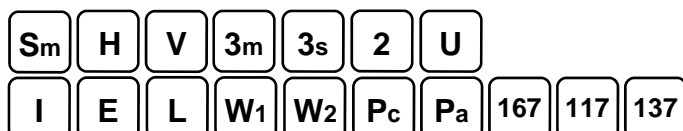
- The steel sieve and cover avoid unwanted items in the pot.
- A compressed air filter with automatic drain.
- A pressure gauge indicates the air pressure from the compressor.
- With the precise pressure regulator and gauge the wanted blast pressure can be set.
- The blast pressure gauge indicates the 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!



## MM-A series MicroStrip machines

MicroStrip machine MM18-A, 18 liters, 3/4" piping	23250010
MicroStrip machine MM40-A, 40 liters, 3/4" piping	23250015
MicroStrip machine MM60-A, 60 liters, 1 1/2" piping	23250001
MicroStrip machine MM100-A, 100 liters, 1 1/2" ppg	23250006

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



## Standard





## 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) refilled 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...

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, 140 or 200 litre. This choice of contents depends on different things like: time for refilling, automatic or manual refilling, building height etc.



## BlastMate Continuous

BM-100-CNTNS, 100 liter model	20090100
BM-140-CNTNS, 140 liter model	20090140
BM-200-CNTNS, 200 liter model	20090200

## MicroStrip machine Continuous

MM100-CNTNS, 100 liter model	23205100
MM140-CNTNS, 140 liter model	23205140
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 140 and 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 140 and 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 3/4" for 18 and 40 liter model	19030002
Pressure reducer 1 1/2" 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 3/4" for 18 & 40 liter model	23000034
Compressed air filter 1 1/2" for all other models	23000112

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 blastpot will be placed under a silo, it is advisable to order this option. 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

**3<sup>rd</sup> 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.

3s



3 <sup>rd</sup> signal on machine for all models	16202040
3 <sup>rd</sup> 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

NEW

**Timer unit**

The two digital hour counters are powered by a small long life time battery. The total working time of the machine is monitored together with the job time. The job time can be reset only with a key. The start signal can either be connected to the main air valve or the abrasive metering valve depending on the purposes. Ideal for job cost calculation or hire applications!

Timer for all models	23906070
----------------------	----------

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

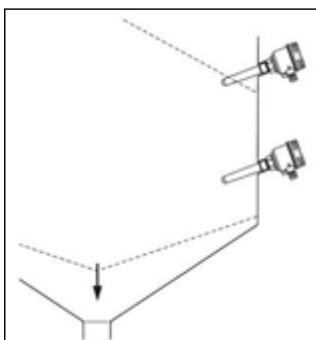
E

**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
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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 be placed at various positions of the vessel.

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



To limit the spread of dust during blasting, water can be added to the abrasive/air mixture using a wet blast attachment as shown on page 17-18.

For the supply and start/stop of the water one of the below options can be built on our machines.

W<sub>1</sub>

#### 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' or 'WJN'.

Tap water is necessary to function.

Water connection for all models	23000301
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W<sub>2</sub>

#### Water connection 2

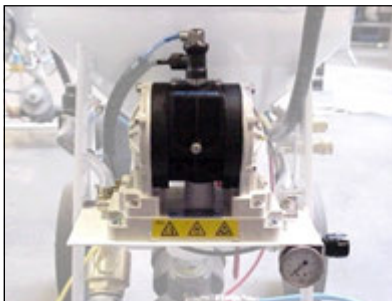
This option can be installed on the machine when wet blasting with the attachment 'WB' or 'WJN'.

The water valve opens/closes the water supply when the deadman handle is pressed/released. This ensures that no water can run into the nozzle (and back to the machine!) when not blasting.

Also a water filter is installed to prevent blockages in the wet blast attachment.

Tap water is necessary to function.

Water connection for all models	23000300
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P<sub>c</sub>

#### Membrane pump unit, type C

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

The pump's function is to bring the water to the wet blast attachment when there is no tap water available or working at heights or with long hose lengths.

The pump unit also sucks water from e.g. a barrel or tank when the blast machine is used on various locations.

For use in combination with the KWB-Mini and KWB-M the pump's function is also to inject the water into the abrasive and air stream. Therefore the water pressure needs to be higher than the air pressure. This type of mixing gives the best result in dust control with a minimum amount of water.

The pump unit is started/stopped by the signal from the deadman handle.

Max. pressure	: 7 bar
Max. suction height	: 2.5 m

Pump unit type C (1:1)	23000405
...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**

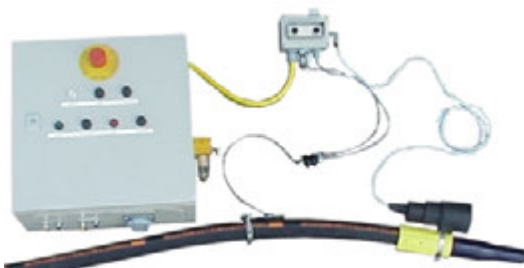
This electro-pneumatic remote control box enables to work with an electric deadman handle. Advantage is the immediate start and stop of the blast machine when operating this deadman handle.

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

137

**Electro-pneumatic control system PL137**

This electro-pneumatic remote control system uses the operator's control box (attached to his belt) to start and stop the blast machine. The operator can also select air only or air & abrasive. A blastlight can also be mounted to this control box.

The operator's safety is guarded by a special safety switch which is connected between the operator and the blasthose. When the blasthose is released the tension on the safety switch will turn off the blast machine immediately.

Big advantage of the PL137 is that the operator doesn't have to keep the deadman handle pressed at all time which is less fatiguing and provides a better manoeuvrability.

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 PL137

21011370



## 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 aluminum nozzle holder has  $\frac{3}{4}$ " BSP thread.

### 10 meters

Hose package 'dry', $\frac{1}{2}$ " hose, $\frac{3}{4}$ " BSP holder	18000410
Hose package 'dry', $\frac{3}{4}$ " hose, $\frac{3}{4}$ " BSP holder	18000510A

### 20 meters

Hose package 'dry', $\frac{1}{2}$ " hose, $\frac{3}{4}$ " BSP holder	18000420
Hose package 'dry', $\frac{3}{4}$ " hose, $\frac{3}{4}$ " BSP holder	18000520A



## 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 nylon nozzle holder ensures a smooth connection of the nozzle and comes with 50 mm coarse thread.

### 10 meters

Hose package 'dry', $\frac{3}{4}$ " blast hose	18000510
Hose package 'dry', 1" blast hose	18000610
Hose package 'dry', $1\frac{1}{4}$ " blast hose	18000710

### 20 meters

Hose package 'dry', $\frac{3}{4}$ " blast hose	18000520
Hose package 'dry', 1" blast hose	18000620
Hose package 'dry', $1\frac{1}{4}$ " blast hose	18000720
Hose package 'dry', $1\frac{1}{2}$ " blast hose	18000820



## 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.

## Deadman handle

G2 deadman handle	2263-002
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## 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.



Functions with



(more info on page 14)

### 10 meters

Hose package 'wet', WB, 3/4" blast hose	18200510
Hose package 'wet', WB, 1" blast hose	18200610
Hose package 'wet', WB, 1 1/4" blast hose	18200710

### 20 meters

Hose package 'wet', WB, 3/4" blast hose	18200520
Hose package 'wet', WB, 1" blast hose	18200620
Hose package 'wet', WB, 1 1/4" blast hose	18200720

## 'WB' wet blast attachment only

Wet blast attachment 'WB' c/w regulator valves	15070000
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## 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.



Functions with



(more info on page 14)

### 10 meters

Hose package 'wet', WJN, 3/4" blast hose	18450510
Hose package 'wet', WJN, 1" blast hose	18450610
Hose package 'wet', WJN, 1 1/4" blast hose	18450710

### 20 meters

Hose package 'wet', WJN, 3/4" blast hose	18450520
Hose package 'wet', WJN, 1" blast hose	18450620
Hose package 'wet', WJN, 1 1/4" 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
Water Jet Nozzle, WJN-8, 12.7 mm	15300008



optional Swirl Ring



Functions with



(more info on page 14)

## 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  $\frac{3}{4}$ " 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, $\frac{1}{2}$ " blast hose	18500405
Hose package 'wet', KWB/Mini, $\frac{3}{4}$ " blast hose	18500505

### 10 meters

Hose package 'wet', KWB/M, $\frac{3}{4}$ " blast hose	18500510
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### 20 meters

Hose package 'wet', KWB/Mini, $\frac{3}{4}$ " blast hose	18500520
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### 'KWB/Mini' wet blast attachment only

'KWB/Mini' c/w regulator valves	15070015
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### Optional Swirl Ring

Swirl Ring for KWB/Mini	15070050
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## Hose package 'wet' type KWB/M

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, $\frac{3}{4}$ " blast hose	18600510
Hose package 'wet', KWB/M, 1" blast hose	18600610
Hose package 'wet', KWB/M, $1\frac{1}{4}$ " blast hose	18600710

### 20 meters

Hose package 'wet', KWB/M, $\frac{3}{4}$ " blast hose	18600520
Hose package 'wet', KWB/M, 1" blast hose	18600620
Hose package 'wet', KWB/M, $1\frac{1}{4}$ " blast hose	18600720

### 'KWB/M' wet blast attachment only

'KWB/M' c/w regulator valves	15070020
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Functions with



(more info on page 14)

3s



## 3<sup>rd</sup> 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-A

3 <sup>rd</sup> signal on hose package	18900000
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## 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
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## Whip check

For a safe connection of the hose package to the machine or hose extension it is strongly advised to use a whip check. In case of e.g. a faulty coupling, the whip check helps to prevent injury if a hose connection separates.

The whip checks can also be used for compressed air hoses.

Whip check	WHIPCHECK
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NEW



## Hose cutting tool

When replacing the blast hose it is important to cut the ends straight! This ensures an airtight closure to the coupling and nozzle and avoids excessive quick wear of the coupling or nozzle.

With this cutting tool a straight cut of the blast hose is a piece of cake.

Hose cutting tool	CUTTOOL
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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.

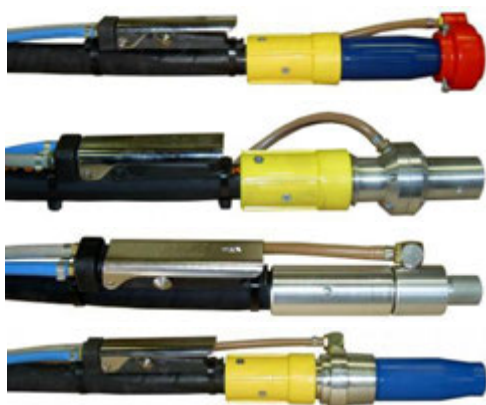
### 10 meters

Hose extension 'dry', 3/4" blast hose	18700510
Hose extension 'dry', 1" blast hose	18700610
Hose extension 'dry', 1 1/4" blast hose	18700710

### 20 meters

Hose extension 'dry', 3/4" blast hose	18700520
Hose extension 'dry', 1" blast hose	18100620
Hose extension 'dry', 1 1/4" blast hose	18700720
Hose extension 'dry', 1 1/2" 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, 3/4" blast hose	18800510
Hose extension 'wet', L/M, 1" blast hose	18800610
Hose extension 'wet', L/M, 1 1/4" blast hose	18800710

### 20 meters

Hose extension 'wet', L/M, 3/4" blast hose	18800520
Hose extension 'wet', L/M, 1" blast hose	18800620
Hose extension 'wet', L/M, 1 1/4" blast hose	18800720

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
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**Contractors  
Choice**



## Silicon carbide nozzle UB

The light weight UB nozzles have a very wear resistant silicon carbide 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 HYDB

The HYDB nozzles have a straight tungsten carbide lining and an aluminum jacket. The EK nozzles come with 3/4" BSP thread.

HYDB2, 3.2 mm Ø, l = 45 mm	15000002
HYDB3, 4.8 mm Ø, l = 45 mm	15000003
HYDB4, 6.35 mm Ø, l = 45 mm	15000004
HYDB5, 8.0 mm Ø, l = 45 mm	15000005
Rubber washer	15500002



## Boron carbide nozzle BC32

The BC32 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.

BC32-4/50, 6.4 mm Ø	15247706
BC32-5/50, 8.0 mm Ø	15247708
BC32-6/50, 9.5 mm Ø	15247710
BC32-7/50, 11.0 mm Ø	15247712
BC32-8/50, 12.5 mm Ø	15247714



## Boron carbide nozzle XL

For an even higher abrasive velocity there are also three “XL” nozzles available. These have a length of 340 mm(!) and can improve production rates by 15-20%.

The XL nozzles have a very wear resistant boron carbide lining and are therefore resistant to all abrasives including aluminum oxide.

The extra long venturi shape of the nozzle highly accelerates the speed of the abrasive and creates an even blast pattern.

The aluminum jacket has a coarse thread/50 mm.

BC32-6/50, 9.5 mm Ø, l = 340 mm	15020306
BC32-7/50, 11.0 mm Ø, l = 340 mm	15020307
BC32-8/50, 12.5 mm Ø, l = 340 mm	15020308



## 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 = 100 mm	15020006
S-8, 8.0 mm Ø, l = 100 mm	15020008
S-10, 10.0 mm Ø, l = 100 mm	15020010

### For 1¼" blast hose

S-10, 10.0 mm Ø, l = 110 mm	15021010
S-12, 12.0 mm Ø, l = 110 mm	15021012



## Boron carbide TETRABOR® nozzle BC 3/4"

The BC 3/4" nozzles have a straight boron carbide lining and are therefore resistant to all abrasives including aluminum oxide. The aluminum jacket has a 3/4" thread.

BC-6, 6.0 mm Ø, l = 86 mm	15020206
BC-8, 8.0 mm Ø, l = 86 mm	15020208
Rubber washer	15500002



## Boron carbide TETRABOR® angled nozzles

These unique nozzles come with a 40° angle for hard to reach areas. The nozzles have a 3/4" 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°, 3/4" BSP	15022219/6
8.0 mm, angled nozzle 40°, 3/4" BSP	15022219/8
10.0 mm, angled nozzle 40°, 3/4" BSP	15022219/10
Rubber washer	15500002
Connection piece	15022509
Retaining ring	15230003WAR



## Tungsten carbide Water Jet Nozzle (WJN)

The Water Jet Nozzles have a straight tungsten carbide lining and an aluminum jacket. The WJN nozzles come with 50 mm coarse thread. The Mini version has 3/4" BSP threading.

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-Mini, 5 mm	15290003
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
Water Jet Nozzle, WJN-8, 12,7 mm	15300008
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 16.5 x 2 mm has the same air consumption as a 6.5 mm nozzle.

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 16.5 x 2 mm	15230004
FAN 25 x 2 mm	15230005
FAN 25 x 3 mm	15230003
Retaining ring	15230003WAR



## Special nozzles

Nozzles can be manufactured on demand in many different shapes and sizes. Models with multiple outlets, 20° & 40° angles, 360° outlets, fishtail outlets and different inlets & connections are possible.

*Please contact us for information about the possibilities.*

## 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



Various brushes available for inner, outer corner and radiuses

The BlastMate **Dust Free blast Units (DFU)**, also referred to as **vacuum blasters**, are based on a blastpot type BM-TH with a contents of 18, 40, 60 or 100 litre. The blastpot is executed with an inlet filter and a regulator to set the correct blasting pressure.

The renowned Nederman (*Norclean*) unit ensures a powerful vacuum for dust free blasting with the blast- and suctionhead and the recollection of the abrasive. The vacuum unit can be electrically or pneumatically driven depending on the application. With the pneumatic versions hose lengths of 50 meters are possible.

On top of the blastpot the abrasive separator, sieve and silo are installed. The rubber lined bump plate separates the heavier abrasive from the dusty air flow. The sieve ensures that too big particles which are sucked back cannot enter the blastpot. The silo holds the recycled abrasive for automatically refilling of the blastpot.

The fine dust is led to the vacuum unit and is separated by the filter 'candles' which are being cleaned automatically. The dust is collected in plastic waste bags for easy disposal.

All functions of the unit are automatically controlled by the switchbox which is triggered by the deadman handle on the hose package. Furthermore the unit comes with forklift openings for easy transport and lifting and a bracket for the storage of the hose package. Also an extra large blast- and suctionhead is available which is mounted on a floor cart for e.g. deck work.

## Dust Free Units (DFU), electric vacuum

BM-18-TH/VRFM (18 liter) with NEL3 vacuum	0818THNEL3
BM-40-TH/VRFM (40 liter) with NEL3 vacuum	0840THNEL3
BM-60-TH/VRFM (60 liter) with NEL3 vacuum	0860THNEL3
BM-100-TH/VRFM (100 liter) with NEL3 vacuum	08100THNEL3

## Dust Free Units (DFU), pneumatic vacuum

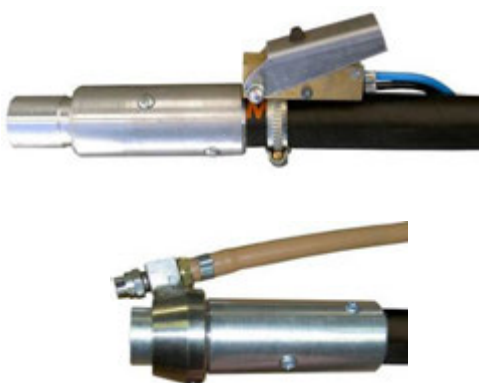
BM-18-TH/VRFM (18 liter) with NE42 vacuum	0818THNE42
BM-40-TH/VRFM (40 liter) with NE42 vacuum	0840THNE42
BM-60-TH/VRFM (60 liter) with NE42 vacuum	0860THNE42
BM-100-TH/VRFM (100 liter) with NE42 vacuum	08100THNE42

## Extras

Hose extension 10 meter	08700015
Hose extension 20 meter	08700018
Floor cart c/w large blast- and vacuumhead	08700000
Surcharge for NE52 vacuum (for 30 m hose)	08SURNE52
Surcharge for NE64 vacuum (for 40 m hose)	08SURNE64
Surcharge for NE74 vacuum (for 50 m hose)	08SURNE74



We can build machines to fulfill your special needs and also have models for soda blasting purposes.



The **Pequena** is a **mini blastpot** 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:	3,2 or 4,8 mm
Width:	250 mm	Blast pressure:	0.1 - 7 bar
Height:	780mm	Air consumption	
Weight:	17 kg	◦ 3,2 mm nozzle: max.	660 l/min
Contents:	7 litres	◦ 4,8 mm nozzle: max.	1.490 l/min
Hose length:	5 meters	Optional extra:	Wet blast attachment

## PEQUENA blasting systems

PEQUENA-RC c/w 5 m. hose & 4,8 mm nozzle	20PEQ-RC
PEQUENA-MS c/w 5 m. hose & 4,8 mm nozzle	20PEQ-MS
Wet blast attachment	15700005

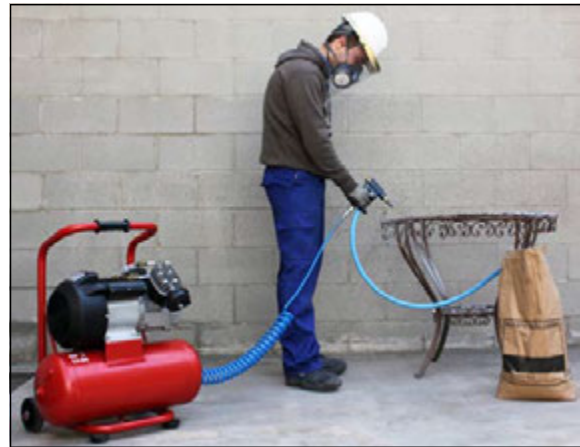
## Injector gun M600 with hose

This gun is equipped with a suction hose and pipe. The suction pipe can be put into a bag/barrel from where the abrasive will be sucked to the blast gun and sprayed onto the surface.

The blast nozzle is made out of tungsten carbide. The M600 also comes with air hose, pressure regulator and a storage case. Compressed air consumption is 435 l/min. at 6 bar.



Injector gun M600 with hose	2010M600
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## Injector gun SP30 with hopper

This gun is equipped with a suction hose which is connected to a hopper. With the metering device of the hopper the right amount of abrasive can be set.

The blast nozzle is made out of tungsten carbide. The plastic hopper holds one bag of most abrasives and has a steel sieve and handle. Compressed air consumption is 500 l/min. at 6 bar.

Injector gun SP30 with hopper	20100030
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## 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. The compressed air consumption of the Super Mini Tublast can be compared to a 6 mm Ø nozzle.

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 1/2" blasthose which can be ordered at required lengths. The compressed air consumption of the Mini Tublast can be compared to a 13 mm Ø nozzle.

Mini Tublast	24902000
Blasthose 1/2" (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 76 to 300 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 300 and 900mm.

Rotoblast complete with carriage (no nozzles)	24900050
Nozzle 6.4 mm Ø, l = 45 mm (per piece)	15000004
Nozzle 8.0 mm Ø, l = 45 mm (per piece)	15000005
Nozzle 8.0 mm Ø, l = 80 mm (per piece)	24000018
Nozzle 9.5 mm Ø, l = 100 mm (per piece)	24000019



## 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

# Internal pipe coaters



In addition to the internal pipe blast equipment we've got a series of **pipe coaters** available to fulfil your painting needs for pipes of 76 to 900 mm. The air driven rotating head spreads the paint inside the pipe by centrifugal force.

The IPC-125 is delivered with centering collars and different size 'buttons' for small pipe diameters from 76 to 125 mm. The IPC-300 models comes with a centering carriage for painting larger diameter pipes up to 300 mm. This carriage can easily be set to fit different pipes. The IPC-900 has a centering carriage with different leg lengths so it fits all diameters between 300 and 900 mm.

Internal pipe coater IPC-125	24505125
Internal pipe coater IPC-300	24505300
Internal pipe coater IPC-900	24059000



## 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 mm<sup>2</sup> 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 mm<sup>2</sup> 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 our 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

There are various models possible. This depends on the number and type of blast light or other equipment which will be used with the transformer.

*Contact us for the various model possibilities.*

**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

- 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.

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

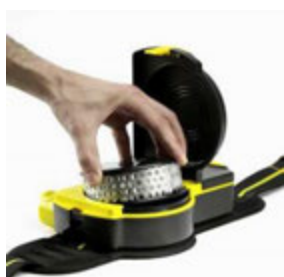
Weight: 550 gram

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

EN 12021



## Helmet air filter case

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/m<sup>3</sup> 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/m<sup>3</sup>

The filter case is furthermore executed with a pressure regulator and gauge. The 2 outlet model has a capacity of 500 l/min and the 4 outlet model 1.000 l/min. The overall dimensions of the strong stackable plastic case are: 300 x 183 x 400 mm.

Helmet air filter case, <b>2 outlets</b>	02700003
Filter element QE-0005 (first stage)	02040050
Filter element HE-0005 (second stage)	02042250
Filter element CE-0005 (third stage)	02043350

Helmet air filter case, <b>4 outlets</b>	02700004
Filter element QE-0010 (first stage)	02040051
Filter element HE-0010 (second stage)	02042251
Filter element CE-0010 (third stage)	02043351

# Helmet air conditioners



## 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  $\pm 20^{\circ}$  C cooler or hotter than the inlet temperature can be achieved with a conditioner without moving parts, electricity, or Freon interference.

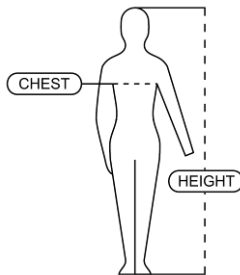
With the special adapter the cold and hot air tube can also be used for Commander and Panorama helmets

Cold air tube for NOVA 2000	4000-01CE
Hot air tube for NOVA 2000	4000-20CE
Adapter for Commander/Panorama helmets	03ADAPTER

89/686/CE  
ISO 14877



CE



## 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 XXXL (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



## 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
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## 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
Plug with 3 meter cable (incl. mounting)	02STEKKER

## 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
Motor protection switch incl. 5 m. cable/plug	02020225

## Conversion 400 to 230V

Conversion of models 30 to 80 from 400V to 230V c/w 3 meter cable and a plug	02OMBOUW
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## Pneumatic execution

After cooler RA-10-PN, (1.0 m³/min), 1"	02021001
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
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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 9°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), 3/8"	02040001	02041100	02042200	02043300
Filter 0010, (1.0 m³/min), 1/2"	02040002	02041101	02042201	02043301
Filter 0018, (1.8 m³/min), 3/4"	02040003	02041102	02042202	02043302
Filter 0030, (3.0 m³/min), 3/4"	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), 1 1/2"	02040006	02041105	02042205	02043305
Filter 0095, (9.5 m³/min), 1 1/2"	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), 2 1/2"	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



Low frame with wheels



Low frame



Low legs

When the after coolers are used 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.

The frames for the models 30, 40, 65 and 80 come with wheels and a push handle which can be folded away.

## "Low legs" execution

For models 10, 20, 30, 40, 65 and 80	020212V5
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## Transport frame with wheels

For models 30 and 40	02301001
For models 65 and 80	02301004

## Transport frame with forklift openings

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

## Brackets and fittings for additional filters

For models 10 and 20	02301045
For models 30 and 40	02301050
For models 65, 80 and 120	02301055
For other models	On request

# 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

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 blasting jobs on location. 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 BlastMate 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 (optional)**

Various types of rotary screw compressors can also be built on the Skid. Small petrol driven compressors or diesel driven 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 (optional)**

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.*



## Suction feed blast cabinets

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 50 is accessible to all sectors of the industry due to its affordability and comes with an integral pocket filter for dust extraction. The industrial VM series is designed for intensive use. Here the dust extractor consists out of two cartridges which are cleaned automatically. The blast room of the VM series is rubber lined to protect the cabinet and ensure a longer life time of the abrasive.



## Pressure blast cabinets

Both FOX 50 and the VM series can be converted to the direct pressure method using the direct pressure kit. A small blast pot is then mounted directly under the hopper of the cabinet. With the pressure feed method all compressed air energy is used for propelling the abrasive. This results in a 5 to 10 times faster working speed. The pressure feed method is advised for applications like: heavy rust and coating removal, mill scale and large product series. The blast room of all pressure feed cabinets is also rubber lined.



	FOX 50	VM 42 / VM 42+	VM 55
Blast room	L = 910 mm W = 700 mm H = 740 mm	L = 1070 mm W = 760/1070 mm H = 760 mm	L = 1400 mm W = 910 mm H = 910 mm
Window	780 x 310 mm	785 x 330 mm	785 x 330 mm
Max object weight	50 kg	70 kg	500 kg
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
Dust extraction	Integral 3 pocket filter bag unit	Integral auto cleaned cartridge filter	Integral auto cleaned cartridge filter
Standard extras	Separate air gun	Separate air gun Air filter Pressure reducer	Separate air gun Air filter Pressure reducer

Suction feed	FOX 50	VM 42(+), 55
Air nozzle	3.0 mm	3.75 mm
Blast nozzle	6.5 mm, tungsten	8.0 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 : 395 l/min 4 bar : 490 l/min 5 bar : 580 l/min 6 bar : 700 l/min 7 bar : 880 l/min

Pressure feed	FOX 50	VM 42(+), 55
Blast nozzle	4.8 mm, tungsten	6.35 mm, tungsten
Air consumption	3 bar : 640 l/min 4 bar : 850 l/min 5 bar : 1065 l/min	3 bar : 1120 l/min 4 bar : 1490 l/min 5 bar : 1860 l/min



## Suction feed blast cabinets

Blast cabinet FOX 50	25010150
Blast cabinet VM 42	25010142
Blast cabinet VM 42+	25010142+
Blast cabinet VM 55	25010155

## Pressure feed blast cabinets

Blast cabinet FOX 50 P	25010150P
Blast cabinet VM 42 P	25020142
Blast cabinet VM 42+ P	25020142+
Blast cabinet VM 55 P	2501055P

## Options, VM series only

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



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" blasthose and a 6,35 mm tungsten carbide nozzles (4,8 and 8,0 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.





## Typical applications

- Degreasing / surface finishing of components in the automotive, reconditioning & maintenance industries
- Cleaning of dies & moulds
- Removal of paint, rust, scale, carbon & similar deposits in engineering industries
- Surface preparation prior to bonding, re-painting or re-coating
- Satin finishing of stainless steels & other special materials
- Cleaning of PCB's & electrical connectors
- Removal of small burrs from manufactured components

## Advantages of wet blasting

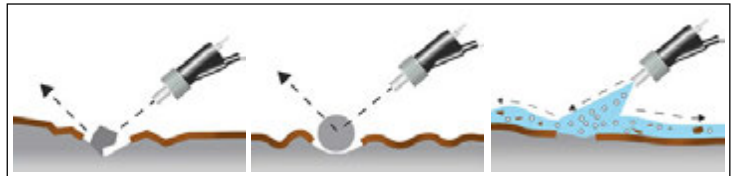
- Dust free process
- Cleans by flow of water not by impact
- Simultaneously degrease & blast clean
- Water acts as a lubricant between media & component
- Promotes longer media life
- Produces a 'softer' finish
- Avoids media impregnation on soft materials



The illustrations below show the different natures of grit, bead, and wet blasting. The aggressiveness of dry grit and bead blasting are shown in the first two illustrations which demonstrate the severe 90° ricochet that occurs when using these methods.

The third illustration shows the gentler, but just as effective, wet blasting method. The ricochet of media is reduced due to the cushioning from the water; the angle of the media is changed producing a lapping effect travelling across the surface, giving an even satin/polished finish.

The key to wet blasting is that the finish is produced through flow of water borne abrasive, giving a finer finish due to the flushing action of the water. No media is impregnated into the component, nor is there any dust created by the break-up of media, unlike dry blasting where the finish is produced by sheer force of media impact.



## Aquablast

The water/media slurry is contained within the cabinet sump, delivery of the slurry to the manual blast nozzle is via a glandless polyurethane pump and associated hoses located inside the machine. Compressed air is added at the blast nozzle to accelerate the slurry and provide the cleaning effect. After contact with the component the slurry then drains back into the sump creating a re-circulating system. Fine broken down media and other contaminants are fed via an overflow to a sedimentation filter located at the rear of the cabinet.

## Features

- 100% corrosion free stainless steel construction
- Dust Free blasting process
- High quality and efficient, quick release submersible polyurethane abrasive pump with stainless steel inlet filter and motor housing.
- Good visibility is maintained with low voltage windscreen wiper and wash facility.
- Single footswitch operation
- Dual purpose sedimentation filter

## Options

- Closed loop. Machine will not require a drain nearby and will not consume large amounts of water.
- Hydro cyclone. Designed to separate water from the blasting media when emptying the machine or changing abrasives.
- Mini Tumbler Barrel. Offers the option to be able to blast many small parts (i.e. nuts and bolts) evenly.
- Turntables. For easy maneuverability within the blast chamber and for larger/heavier components a roll in-roll out trolley can be fitted.

## AquaBlast wet blast cabinets

AquaBlast 915	(915 x 880 mm)	25200915
AquaBlast 1215	(1215 x 1180 mm)	25201215
AquaBlast 1515	(1515 x 1480 mm)	25201515



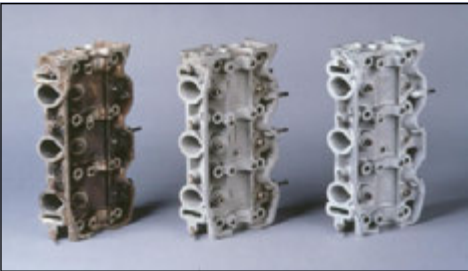
**ARMEX®** blasting and cleaning media, is industry's leading baking soda-based abrasive technology. Use to clean, depaint and degrease a wide variety of substrates including ferrous metals, aluminum and other alloys, plastics and composites and masonry materials like brick, concrete and natural stone. 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**

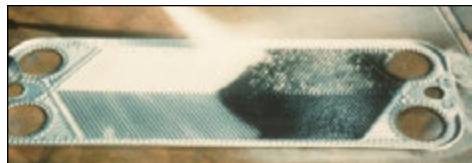
ARMEX® media provides a superior worker and environmental safety profile compared with solvents, caustic chemicals, high pressure water and sandblasting. The media contains no free silica.



#### **Appropriate for food plants**

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





ARMEX<sup>®</sup> 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 than moved around.

## ARMEX Formulas

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



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



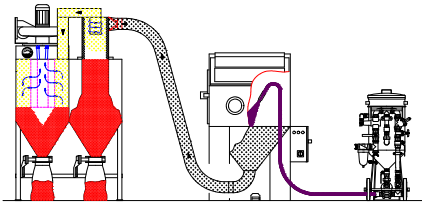
MMI

Pequena

MicroStrip

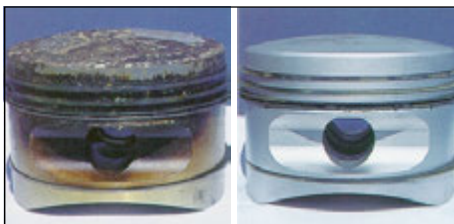
GloveBox

The **GloveBox** is specially designed for the cleaning or depainting of delicate objects with the ARMEX<sup>®</sup> baking soda media. Because of the softness and friability of ARMEX<sup>®</sup> it will disintegrate on impact without damage to or distortion of the substrate. The ARMEX<sup>®</sup> 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<sup>®</sup> 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).



## GloveBox 600 system

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

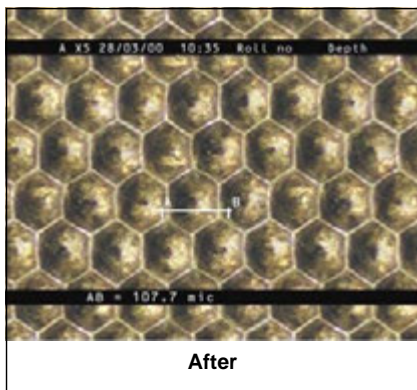
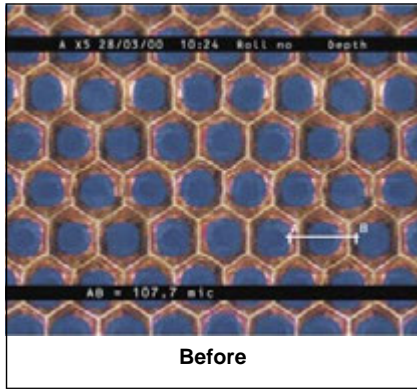
## GloveBox 800 system

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.*



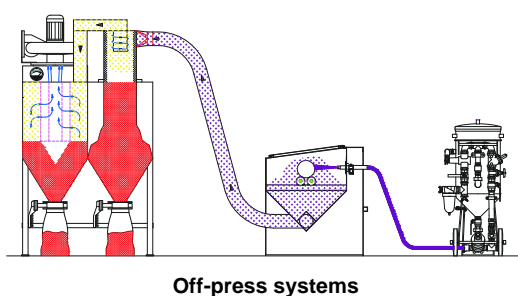
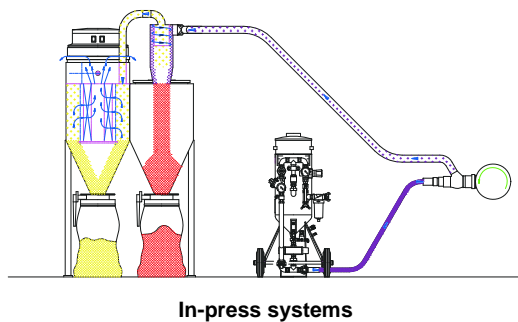
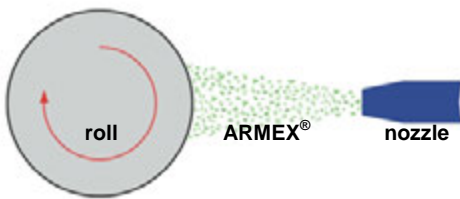
The **FlexoMate** anilox roll cleaning systems are based on the dry use of the specially formulated sodium bicarbonate ARMEX<sup>®</sup>. Delivered under pressure using compressed air this crystal physically removes the ink from the substrate. Because of its softness and friability it disintegrates on 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<sup>®</sup> 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



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

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/RIF315/M	P6/23/RIF450/M	P8/23/RIF500/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, RIF315	Centrifugal, RIF450	Centrifugal, RIF500
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

## 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...

