



Example for the connection of a CENTRO filter unit to an automatic blast cabinet with 4 blast guns

The standard configuration: sandblast cabinet and recycling filter unit CENTRO (here with soundproof fan enclosure)



ALL WITH ONE UNIT!



Pressure and injector blast system with abrasive recycling, using 3 blast guns / nozzles, using different kind of abrasives. Simultaneous suction of the 3 blast cabinet.

The CENTRO recycling filter unit is a stand-alone equipment, which can be connected on any side of the blast cabinet. It is used for the ventilation of the blast cabinet, the recovery of the abrasive, the cleaning of it and the separation of dust, and the return (recycling) of the clean abrasive into the cycle. The separation (cleaning) is done in the cyclone integrated in the filter unit. The performance of that system will enhance the economical and ecological value of your sandblast equipment.

TYPE	DIMENSIONS (mm)	AIR - FLOW	FILTER CARTRIDGES	SUCTION CONNECT.	POWER	WEIGHT
CENTRO 4/1 ECO	500x725x1450	1500 m ³ /h	1xC4/(P)*	Ø 120	1,5 kW	120 kg
CENTRO 2/2 ECO	1200x450x2150	1000 m ³ /h	2xC2/(P)*	Ø 120	0,75 kW	150 kg
CENTRO 2/4 ECO	1300x650x2150	1200 m ³ /h	4xC2/(P)*	Ø 120	1,1 kW	150 kg
CENTRO 4/2 ECO	1400x950x2500	2000 m ³ /h	2xC4/(P)*	Ø 120	1,5 kW	235 kg
CENTRO4/4 ECO	1700x950x2550	3000 m ³ /h	4xC4/(P)*	Ø 120	2,2 kW	250 kg
CENTRO 4/4 ECO PLUS	1800x950x2900	4000 m ³ /h	4xC4/(P)*	Ø 150	3 kW	420 kg

* Option: (P) - polyester filter cartridge

Centro ECO EN ver02.cdr

FILTER SYSTEMS WITH ABRASIVE RECYCLING



A result of continuous development and improving of our products for sandblast purposes is the new generation of recycling filter systems for most various applications.

Suction, filtering and recycling of the abrasive happen simultaneously, and the filter cartridges are automatically cleaned by the integrated "Pulse-Jet" cleaning system. When using a CENTRO filter unit, the working area of your sandblast cabinet will always be clean. The abrasive in the cycle is also permanently cleaned and keeps being available in a constant grain size.

STANDARD EQUIPMENT

1. Radial fan RV X000

The fan installed in a CENTRO Recycling filter unit is equipped with an air flow rate control device enabling to adjust the suction and recycling efficiency to suit any individual type of abrasive used.



2. Automatic cartridge cleaning

For a permanent cleaning of the filter cartridges, CENTRO filter units are equipped with a built-in "Pulse Jet"-cleaning system. The electronic control equipment of that system allows to adjust duration and intervall frequency of the compressed air pulses.



3. Control box

The modern control device includes the protective motor switch and the electronic system for control of the cleaning procedure.



4. Filter cartridges

We use two types of cartridges in the CENTRO filter units:

Filtering medium of the standard cartridge is cellulose, and there are two sizes, the types C2 and C4. For more pretentious applications (particularly with automatic blast machines) we recommend the polyester cartridges C2/P and C4/P, offering a longer service life. Filter cartridges are also available with particular coatings (aluminium, teflon, and others) or with antistatic finish.



5. Dust container

Dust removed from the cartridges by the cleaning system falls into a container mounted on rollers and easy to pull out. When using plastic bags layed in the container also the dust disposal is simple and can be done without environmental pollution.



Recycling system

The cyclone **6**, integrated in the filter unit is cleaning the abrasive by separating it from dust and contaminants. The clean abrasive is collected in the abrasive container **7**, where it is available for a new cycle. Dust particles are deposited on the filter cartridges.



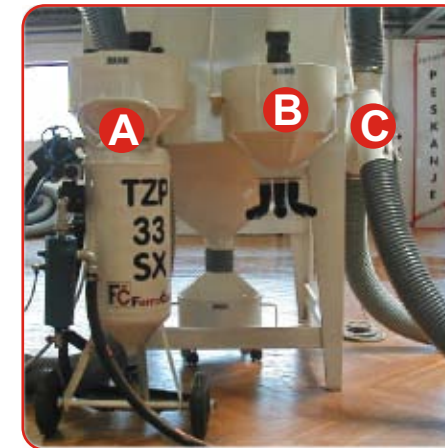
OPTIONAL EQUIPMENT

Optional equipments can improve efficiency of the filter unit and thus productivity of your blast equipment. A quite important advantage of the CENTRO filter units is that one can work with several blast cabinets or with several blast guns / blast nozzles in connection with one sole filter unit. It is also important that a performant and effective recycling filter system enables you to use your abrasive in an optimal manner what contributes to an economical and an ecological operation of your blast equipment.

For quite generally better working conditions we developed accessories like sound silencers and superfine dust filters ("absolute filter"), which make the CENTRO filter units to one of the most flexible and environmentally friendly recycling filter systems.

Pressure blast pot

For very high blast performance the pressure blast process is used. The picture shows a pressure blast pot **A** installed under the cyclone. An alternative can be the abrasive container with three outlets for injector blast guns **B**. **C** shows the T-pipe for the connection of two (or more) blast cabinets for simultaneous suction from both.



Absolute filters

Absolute filters are used, when a return of the air into the workroom is required, particularly when that area is narrow and not ventilated. They deposit 99,95 % of the dust and meet therefore all significant standards and regulations.



Sound silencer

A sound silencer installed on the fan exhaust can reduce considerably the noise level, thus contributing to a reduction of the sandblast equipment's total noise level.



Soundproof enclosure

For a further reduction of the noise level of the filter unit we recommend a soundproof enclosure for the fan.

