

**JSC «SovPlym»**

Revolution Highway 102/2,  
St. Petersburg, Russia  
Export tel. +7 (812) 527 30 89  
Export fax +7 (812) 527 30 89  
Export e-mail: [export@sovplym.com](mailto:export@sovplym.com)  
[www.sovplym.com](http://www.sovplym.com)



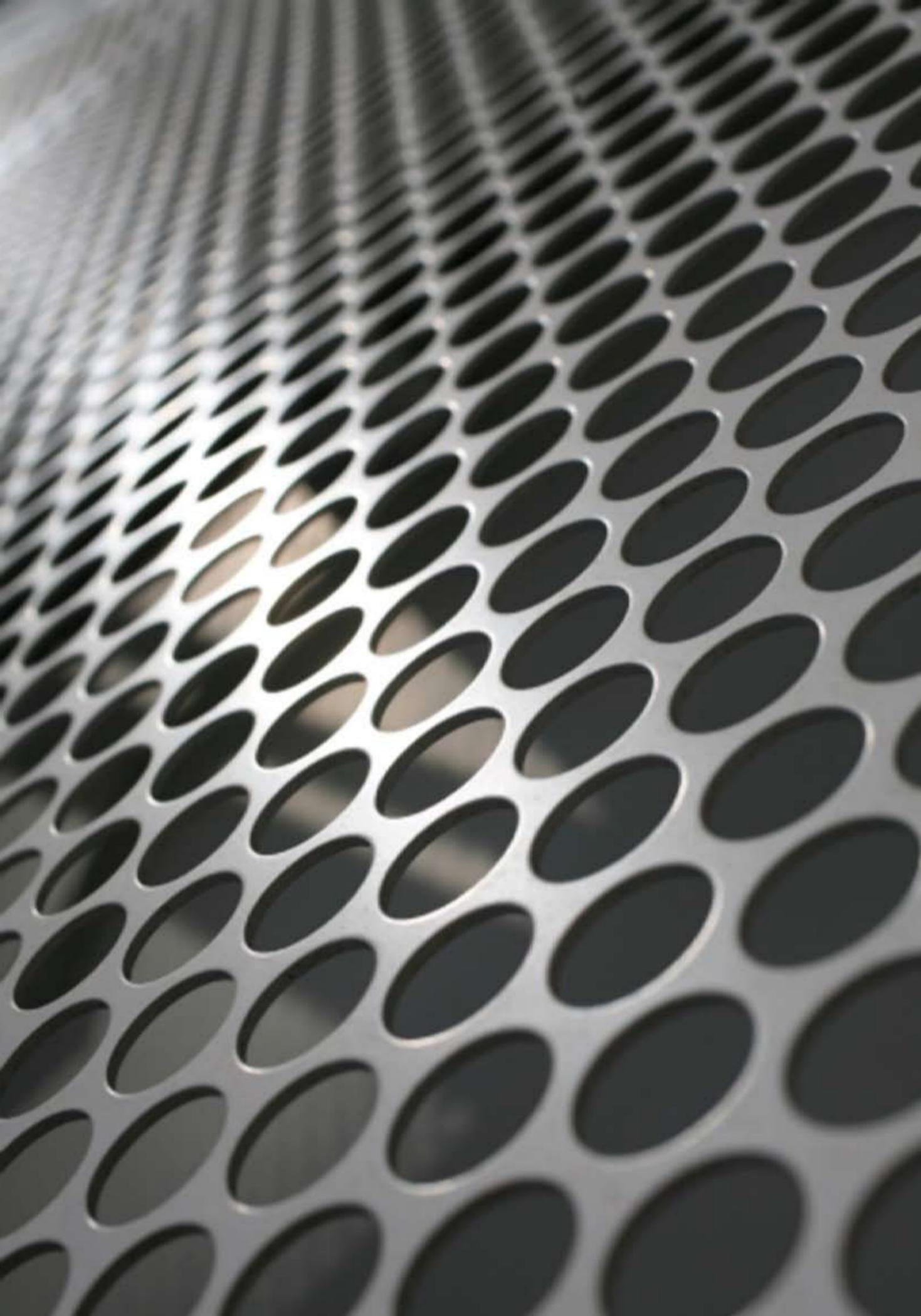
2015/1



# Industrial ventilation systems



 **SovPlym**



# SovPlym

*“With more than 25 years in the business, we know what the customers want: Reliable quality products, quick decisions, on time delivery and local support. And that’s just what we offer.”*



## SovPlym

SovPlym is a leading manufacturer and supplier of equipment for air filtration, industrial ventilation and exhaust gas removal. Based on Swedish technology developed in Russia.

We offer top notch solutions for air pollution control inside production facilities, bringing care of employees’ health and improved work efficiency combined with environmental intelligence.

Sovplym is an international company with its headquartering in St Petersburg, Russia. Founded in 1989, SovPlym today is commercially active in several countries, Russia being the largest market with more than 60% market share, in Industrial Process Ventilation.



## Services

We offer a full range of services for the design, construction, equipment supply, installation, engineering setup, warranty and after sale service. We also offer turn-key solutions.

### THE REASONS TO WORK WITH US:

- Increasing demands for lower energy costs,
- Demand for increased productivity,
- Demand for better safety,
- Increasing demand for better health,
- Environmentally Sustainable Development.



## Our best argument

Happy Healthy Customers!  
Working with over 30.000 registered customers, you will learn from our references, the typical SovPlym customer is both regular and repetitive.



# Problems and solutions

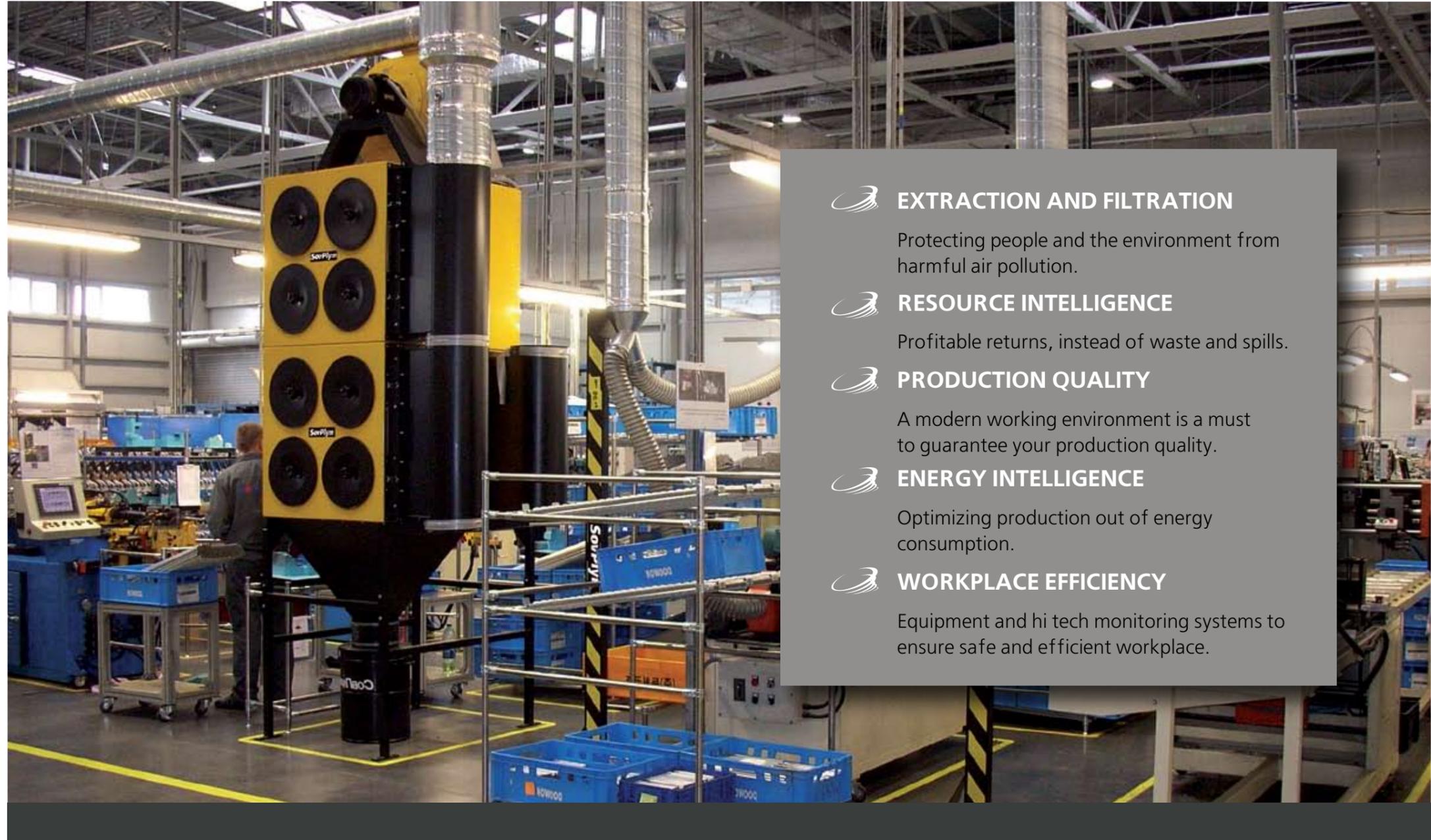
We offer our customers full range of services for the design, production, equipment supply, installation, engineering setup, warranty and after sale service. In our company, we provide full technical support for project and service organizations as well as delivery of spare parts and expandable materials.

## WE OFFER TURN-KEY SOLUTIONS FOR REMOVAL OF:

1. Welding and cutting fumes;
2. Grinding and airborne dust;
3. Oil mist;
4. Vehicle exhaust gases;
5. Soldering fumes;
6. Pharmaceutical dust.

Our high-quality solutions are available for different type of industrial processes such as:

1. Welding and cutting;
2. Abrasion;
3. Mechanical metal works;
4. Grinding;
5. Soldering;
6. Painting;
7. Plastic moulding;
8. Pharmaceutical production.



### EXTRACTION AND FILTRATION

Protecting people and the environment from harmful air pollution.

### RESOURCE INTELLIGENCE

Profitable returns, instead of waste and spills.

### PRODUCTION QUALITY

A modern working environment is a must to guarantee your production quality.

### ENERGY INTELLIGENCE

Optimizing production out of energy consumption.

### WORKPLACE EFFICIENCY

Equipment and hi tech monitoring systems to ensure safe and efficient workplace.

## SOVPLYM PRODUCTS COMPOSE THE FOLLOWING:

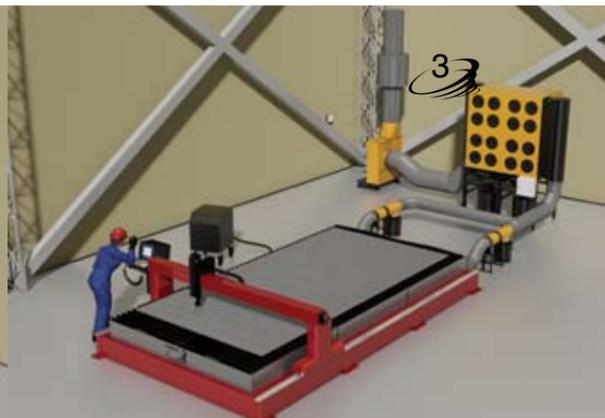
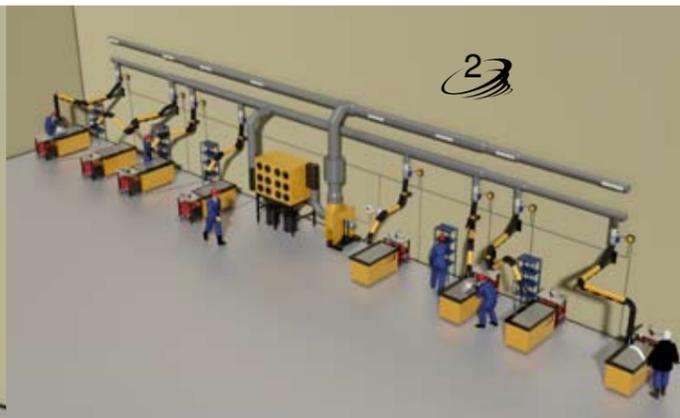
1) Industry ventilation system for single welding station;

2) 8 working places equipped with automatic ventilation system with filtration;

3) Thermal cutting machine equipped with exhaust and air-filtering ventilation system;

4) Vehicle exhaust system;

5) Smoking area.



# Extraction arms

Fully flexible self-locking extraction arms enable you to capture any airborne pollution direct at the source.

A variety of extraction arms focus on all sectors of industry, for example, we produce extraction arms white or in stainless steel to be used in food industry, pharmaceuticals or chemical industries.

“*We offer a wide range of extraction arms with metal tubes, plastic tubes and hoses. The extraction arms are available in a wide range of working reaches and can be used on extension booms if extra reach is needed or mounted on rails for virtually unlimited reach.*”



## Compact extraction arms LabArm

External support mechanism makes it ideal for all types of smaller dust and fume applications with working radius no further than 1,5 m. Tube diameter 75, 100, 125 mm. Recommended airflow rate 150-300 m<sup>3</sup>/h.



## Ballbearing Extraction Arm (BEA)

BEA is the customized extraction arm and comes in various models. It is a flexible extraction arm for fume and gases contaminants with working radius up to 4m. BEA is able to extract contaminations from the levels that are higher than its bracket mounting height. Tube diameter is 160 mm. Recommended airflow rate is 800-1200 m<sup>3</sup>/h.



## Extension crane and extraction arm EasyFlex (EF)

The perfect extractor for tight spots and areas with a low ceiling. It is unmatched in its ability to reach high positions and locations that are far from the arm's mounting position. It covers large welding areas with a maximum reach of 7,6 m. Tube diameter is 160 and 200 mm. Airflow rate is up to 1000-1700 m<sup>3</sup>/h.



## Extension crane and extraction arm EC

The extractor crane consists of combined extractor and suspension arm for tools. It is a proven all-in-one solution for removing fumes from the working environment and suspending your workshop equipment which will move around with you. Ideal for heavy industrial environments including welding workshops. The hose at the end of the crane drops 3m vertically, straight down. Tube diameter is 160mm. Recommended airflow rate is 1000-1200 m<sup>3</sup>/h.



## Work Bench Extractor (WBE)

WBE is designed for the removal of different kinds of smoke, dust and similar non-explosive air contaminants from various processes at stationary workplaces. Ideally if located in production rooms with low ceiling. Recommended air flow rate is 800-1400 m<sup>3</sup>/h.

- maximum operating range is 2 m,
- air duct diameter is 160 mm,
- recommended installation height is 2 m.

# Filters

We offer filter solutions for many sectors, based on different mechanical and electrostatic filtration. Filters specifically designed to suit the various applications and requirements of dry filtration of dust, aerosols including aerosols of oil and coolant liquids, with particle size down to hundreds of microns.

## Mechanical filters, with replaceable cartridges



*“We provide a full range of robust and powerful mechanical filters, for cleaning polluted air from different types of dust, oil mists, welding fumes (including zined steel welding), pharmaceutical dust, aluminum dust, stainless and galvanized steel dust, soldering smoke, spot welding. You name it - we got it!”*



### Portable mechanical filter DCA-P series

Designed for air cleaning from soldering fumes and aerosols and light, short term welding processes.

Capacity is: DCA-P-200 175 m<sup>3</sup>/h, DCA-P-400 2x175 m<sup>3</sup>/h).



### Mobile mechanical filter DCA-M series

Designed for air cleaning from dry particles of different types of smoke and dust with low initial concentrations.

Capacity is 1300 m<sup>3</sup>/h.



### Mechanical filter DCA-W series

Units are designed for air purification from the smoke generated during soldering and welding processes and dry dust with low initial concentration. In DCA-W filter cartridges of accumulative type are used. Capacity varies from 1100 to 1500 m<sup>3</sup>/h.



### Mechanical filter for oil mists MT series

High capacity from 2000 to 15000m<sup>3</sup>/h. MT is designed for purifying the air from aerosols released at mechanical metal processing where oil or lubrication coolant liquids are used during hardening or other similar processes.



# Automatic Self-Cleaning Filters

SovPlym's Automatic Self-Cleaning Filters assure continuous flow, low maintenance and worry-free operation. The self-cleaning product line includes mechanically cleaned technology.

Our range of automatic self-cleaning filters, dramatically reduce production time loss, require minimal operator intervention and improve flow consistency. In short - they provide a constant and highly effective filtration of large amounts of air.

These filters are designed for filtration

of small, dry particles, down to 0.2 microns, normally from welding, plasma cutting, construction material transport, production of colorants, fertilizers, food additives, pharma, with an initial concentration below 2 g/m<sup>3</sup>.

The filtration efficiency is up to 99.9%.

The fully automatic self-cleaning is initiated by a short compressed air pulse inside the cartridge, that shakes the filter and at the same time forces the particles away from the outside, down into the dust collector.



## Modular self-cleaning cartridge filter DCSC-S series

It is designed for air purification from dust and aerosols during welding processes, laser and gas cutting, metal abrasion process and also in the factories that produce construction materials, fertilizers, colorants, etc.

Capacity is from 600 to 64000 m<sup>3</sup>/h, depending on the amount of modules and also on disperse structure and physical properties of dust.



## Mobile self-cleaning cartridge filter DCSC-M series

DCSC-M units are designed for stationary working places service. They are used for air purification from dust, welding aerosols and similar hazardous substances, which are produced during different industrial processes. DCSC-M 1 has maximum capacity

of 1200 m<sup>3</sup>/h. Cartridge has filtering area from 10 to 15 m<sup>2</sup>, depending on the dust and it is positioned horizontally. DCSC-M 2 has built-in compressor and coal cartridge for air filtration of gas components with filtering area 20 m<sup>2</sup> and vertical positioning.



## Wall mounted self-cleaning cartridge filter DCSC-W series

It is designed for air purification from aerosols and dry non-explosive types of dust, that are produced during welding processes,

gas cutting, metal mechanical processing and other similar processes. Capacity is 1000 m<sup>3</sup>/h, of two-zone is 2000 m<sup>3</sup>/h.

## Stationary self-cleaning cartridge filters.

Stationary filters with self-cleaning cartridges are designed to clean dry air flows from dust and smoke, as part of the air cleaning/recirculation systems or the exhaust ventilation systems.

Cartridges are cleaned by compressed air that brings considerably improved cartridge life, minimizes filter maintenance and operational costs.

### Facts to consider, when you chose your automatically cleaned cartridges filter:

-  compressed air supply to filter.
-  use of filter cartridges depending on process and dust properties.
-  fan capacity, to provide effective air suction and cleaning, taking into account that lower the filtration rate is (air flow velocity through the filter), the higher the cleaning efficiency.
-  decide type of installation: floor, wall- or ceiling-mounted.



# Dust collectors

Baghouse, dust collectors are designed for cleaning the air from small and medium size dry, easy cleaning dust, produced at metal processing, work with bulk solids or other processes, accompanied with hazardous particles with size up to 3 microns.

## PU dust collectors

Dust collector can be used both as a final device in a recirculating system or as a part of an industrial ventilation system. The temperature of the air flow should not exceed +90°C.

PU Dust collectors has double air cleaning stages. Giving a filter efficiency higher than 98%, for particles size more than 3 microns.

## Advantages

-  High performance and high filtering efficiency,
-  Simple, reliable and durable design,
-  Recoverable filtering elements,
-  Compact dimensions and multipurpose functionality,
-  Low operating costs,
-  Saving electric energy due to purified air re-use.



### Modular self-cleaning filter DCSC-FMP series with flat cartridges

- unique design with vertical flat-shaped cartridges,
- high initial dust concentration,
- models equipped with integrated fan in noise-attenuating case are available,
- self-cleaning filtering cartridges,

- applicable for the most industrial processes,
- capacity from 1200 to 8200 m<sup>3</sup>/h,
- filtering area from 32 to 97 m<sup>2</sup>.

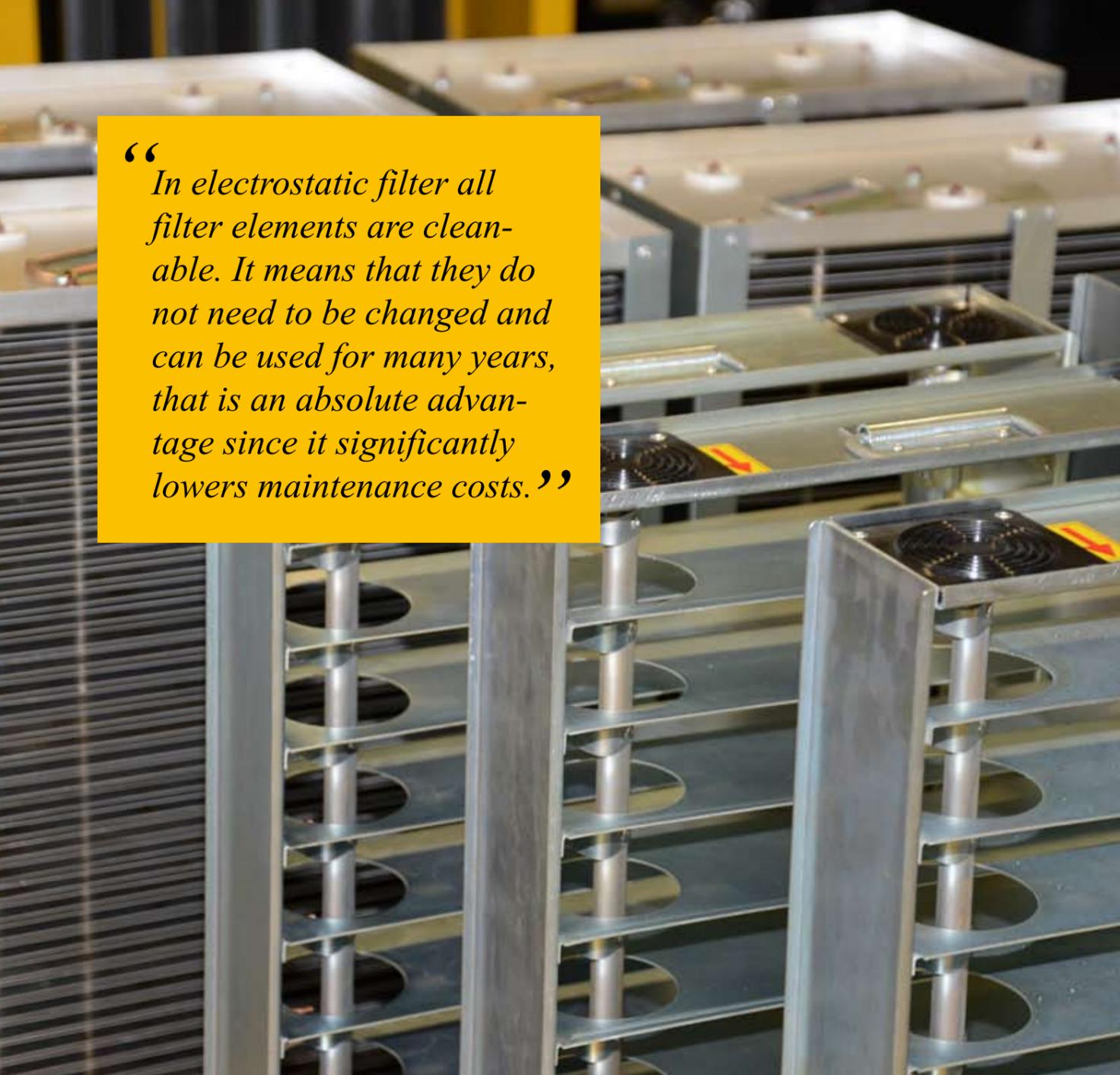


### Modular self-cleaning filter DCSC-SV series with vertical cartridges

This model is one of the stationary self-cleaning filters, equipped with vertical cartridges. DCSC-SV units are industrial stationary filters, designed for cleaning the air from different

kinds of dust, metal thermal cutting and welding aerosols, lead fumes or similar contaminant particles from production processes, welding laboratories, certification facilities and workshops. Capacity is max 6000 m<sup>3</sup>/h, filtering area 80 m<sup>2</sup>.

“*In electrostatic filter all filter elements are cleanable. It means that they do not need to be changed and can be used for many years, that is an absolute advantage since it significantly lowers maintenance costs.*”



# Electrostatic Filtration

Electrostatic filters are very efficient. They clean air from particles of different types of fume, oil mist and dust. They are very popular in the welding industry due to their superior level of capturing fine particles from 5 to 0,01 microns.

The filtration efficiency will reach up to 99%. These hi tech filters normally never need replacement, due to all filter elements are cleanable, and will be working for several years without replacement.

Electrostatic filter is intended for long-term indoor operation under the following conditions:

- ambient air temperature is from 10 °C to 45°C;
- relative humidity is 80 % at 25°C;
- the ambient environment shall be free of explosive substances, aggressive vapor or gases.

ESP-5000 electrostatic filters are designed to purify air from welding aerosols and similar dust particles (non-metallic). These filters are ideally suitable for cleaning air during welding of oiled metals.

Note: Electrostatic filters are not recommended for continuous intense welding processes as this requires frequent washing of the filter elements.

**All models are available with alarm. When the filter is full an alarm sounds and the fan stops after 20 sec. The filter must be cleaned before it can be restarted.**



## Electrostatic filter ESP series

It is designed for air purification from welding aerosols and other dry particles of different types of fume, fine dust and other hazardous substances.

Its capacity varies from 800 to 4800 m<sup>3</sup>/h.



## Mobile electrostatic filter ESP-M series

It is designed for air purification from welding aerosols and other dry particles of different types of fumes, fine dusts

and other hazardous substances. Its capacity is up to 1500 m<sup>3</sup>/h.

# Oilmist filtration

SovPlym offers a range of filters, specially developed to handle oil mist and emulsions.

The advanced 5-step filtration technology and design guarantee a continuous and steady airflow with superior filtration leading to a safe and mist free working environment.



# “Freestanding Wall” extraction panel

SVP-5000 extraction panel is designed for stationary suction of air polluted with medium and coarse non-explosive, non-coherent dust particles. It is the most simple and effective solution for works involving machining of large-dimensioned parts in processes like:

- Grinding of welded joints;
- Cleaning of rusted surfaces;
- Finishing of edges as result from thermal cutting.



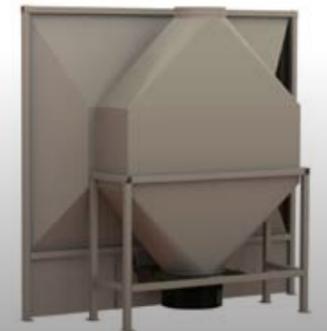
## Advantages

- High efficiency of dust removal due to the specially shaped extraction panel;
- Low air consumption and wide suction area;
- Coarse dust particles are separated immediately inside the extraction panel and collected in a special dust chamber;
- The dust chamber is easily accessible (at front side of the panel);
- The panel is freestanding and do not require additional fixtures.

Connection to ventilation system  
The stationary extraction panel is designed to operate as an extraction arm. The panel shall be connected to suitable (depending on the type of production) fan and filter ventilation unit.

Recommended air capacity is 5000 m<sup>3</sup>/h.

**SVP-5000 extraction panel**



## Efficiency

The panel effectively removes dust at the distance up to 1.5 meters (between part processed (emission source) and the center of suction screen). Operator of grinding machine shall face the panel surface. For this purpose it is recommended to fix parts being processed at a swing arm or support.



### Electrostatic filter ESPO

The filter was designed for air purification from particles of oil mist and similar hazardous substances. Its capacity is up to 2000 m<sup>3</sup>/h.

### Filters for oil mists MT-31, MT-32

MT-31 and MT-32 are outstanding bag filters suitable for application with lower concentration of mist, mixing wet and dry machining. 5-step filtration, capacity up to 3000 m<sup>3</sup>/h. Mechanical filters are superior when there is a huge probability of finding metal particles in the oil mist.

### Filters for oil mists MT-41, MT-42

MT-41 and MT-42 with its high efficiency, 6 step filtration, are one of the best oil mist filters on the market. The self-draining cassettes have a high efficiency for application coolant low-viscosity mist. The filter handles up to 2000 m<sup>3</sup>/h.



# Direct flow cyclones

The cyclone is installed horizontally as a coarse (preliminary) filter directly in the ventilation channel.

We recommend installing a cyclone before the fine filters of the industrial ventilation systems, to prevent these from damages from coarse particles or sparks.

☞ Axial air flow velocity shall be 12 m/s at least.

☞ The temperature of air flow being processed shall not exceed 110 °C

**Direct flow cyclones are characterized with up to 92 % cleaning efficiency for medium dust particles, which substantially exceeds those of conventional cyclones.**



# Gas filter

## Ion-exchange filters

Downflow filter modules are designed to clean air as part of ventilation systems. The Ion-exchange filters from gas components emitted during welding or metal thermal cutting operations.

These filter modules are ONLY USED AS FINAL STAGES and installed after mechanical filtration from dust and aerosols.

## Design features and advantages

SovPlym has developed the unique Gas Cleaner (GC) modules, based on the innovative ion-exchange techniques that effectively retain various gases from welding processes that result in emission of gas contaminants (apart from welding aerosols, i.e. fine dust).

The use of Gas Cleaner (GC) modules as a final filtration stage, makes it possible to achieve maximum air purity even for such processes as thermal metal cutting. This solution allows to reduce the power consumption to the general ventilation system and thereby saving costs for heating and electric supply. Air capacity is up to 20000 m<sup>3</sup>/h.



### CP-1000/2500/4000 Direct flow cyclone

The cyclone case is made of sheet steel painted with high-quality powder coating providing reliable protection against environmental effects. The cyclone operates in horizontal position and the dust collector is mounted directly under. Air capacity is from 1000 to 4000 m<sup>3</sup>/h.



### BCP /BCPO Direct flow cyclone

- BCP unit represents a cyclone aggregate integrating four CP-2500 cyclones within a single enclosure.
- Competitive advantage is the easy mounting of the cyclone tie-in into a main air duct.

- The reinforced cyclone models (3 mm wall thickness) are especially designed for shot-blasting plants.
- Standard cone adapters 400, 500 and 630 mm.
- Capacity is 10000 m<sup>3</sup>/h.



# Welding tables

SovPlym welding tables are professional work stations equipped with air pollution capture, and various types of exhaust devices for workshop processes of welding and light grinding.

The tables are designed to support work pieces during the process and are suitable for any kind of welding (MMA, MIG/MAG, TIG, etc), cutting, grinding and many more applications.

## Main features

- Higher suction efficiency due to the use of high-pressure fan (with the same power characteristics);



- Low noise (integrated silencer);
- Adjustable section pressure;
- PTFE cartridges (Teflon coated) can be used;
- Cartridges can be cleaned both manually and automatically;
- Aluminum bar screen prevents point welding of processed part and splashes to the screen during welding operations;
- Repositionable side plates of the protective screen allows working with out-sized parts;
- Rotary table is available for small parts processing.

### Downdraft table WT-CCZ-1200

Downdraft tables are necessary for welding, cutting, grinding, polishing and other similar operations on metal processing and they can remove formed smoke and dust. Captured air is removed outside. Offered tables allow fast creation of safe workplace from welding or grinding operations. Airflow 2500 m<sup>3</sup>/h, pressure loss 400 Pa, dimensions 1010x820x1570 mm, weight 150 kg.

### Downdraft table WT-CCZ-2500

Downdraft tables are necessary for welding, cutting, grinding, polishing and other similar operations on metal processing and they can remove formed smoke and dust. Captured air is removed outside. Airflow 2500 m<sup>3</sup>/h, pressure loss 400 Pa, dimensions 1125x866x1825 mm, weight 153 kg.

### Welding table WT-CCM-1200

These tables are designed for installation of welded product and removal of welding aerosols, dust and similar hazardous substances from the zone of their emission with the subsequent purification. Maximum productivity of purified air is 1200 m<sup>3</sup>/h. CCM table is equipped with self-cleaning filtering system.

# Clean Cut Table (CCT)



1. Grid for placing metal sheets, frame with panel.
2. Mesh for capture small details.
3. Slag reservoirs.
4. Base of cutting table.

SovPlym has a long experience in designing, supplying, mounting, servicing and maintaining equipment intended for both manual and automated metal thermal cutting. You are welcome to consult us to get competent guidance and equipment information.

## CCT modular table for thermal cutting

The SovPlym extraction table is intended for metal thermal cutting of sheet metal materials and removing waste products. The table is designed for plasma, laser, gas and other types of metal cutting processes.

The extraction table has a modular design and comprises standard CCT-series sectioned extraction modules. CCT modules have different length and width parameters, thus providing the possibility to construct a table of any required width and length. Filter and ventilating units will be ordered separately, depending on table dimensions, cutting parameters and conditions.

## The table features the following advantages:

- Smoke is immediately removed from the cutting area;
- Low air volume combined with maximal smoke removal efficiency;
- Significant cost and energy savings, compact dimensions of filter and ventilation equipment, lubrication;
- Pneumatic "SMC" system's components
- Pneumatic cylinders do not require regular lubrication;
- Service life of pneumatic cylinders exceeds 8000 km (50 mlns of cycles);
- Modular design simplifies transportation and mounting;
- Standard modules allow composing tables of various dimensions.

# Industrial fans

Sovplym produce wide range of medium pressure high-momentum industrial fans, that are made by the unique Swedish technology (impeller).

These fans are very durable, efficient and have low level of vibration. This allows assembling fans without additional vibration support. Rotor wheel is made of aluminum, it prevents sparks formation and increase system safety level in emergency situations such as if explosive gases get into the airflow.

“Features: high CPA (efficiency coefficient), simplicity, easiness of installation and long lasting working period in combination with low level of noise. All SovPlym fans are individually balanced!”

Special design of the impeller allows extracting air, mixed with welding fume, exhaust gasses, oil aerosols, different types of dust, etc. A powerful electric motor ensures long lifetime of a fan.

## HIGH-MOMENTUM RADIAL FANS VMA, VMK, VMS

Fans designed for non-explosive air-gas environments in temperatures -40°C to +40°C.

## ENERGY-SAVING FANS TEF

New serie of energy saving fans for non-explosive environment and dust concentrations less than 0,1g/m<sup>3</sup>. Temperature below 80° C.

## FANS FSB SERIES

Specially designed for maintaining pressure in inflatable constructions.



### Industrial fans VentMax (VMA/VMK/VMS) series

Medium pressure industrial fans. Their design allows its mounting and installing in various ways. Capacity varies from 200 to 5000 m<sup>3</sup>/h.



### Energy-saving fans TEF series

Medium and high pressure industrial fans with low energy consumption can be attached to any surface. These fans have standard design or design with a reduced noise level. Capacity is up to 11000 m<sup>3</sup>/h.



### Trampoline fan FSB

Unit is designed for maintaining pressure inside inflatable constructions and is specially designed for using in inflatable trampolines. Special construction of fan's body and rotor wheel gives increased resistance in comparison with fans VMA, VMK and VMS combined with minimal electro energy consumption and low level of noise.



# Vehicle exhaust-extracting systems

“*These products are developed to capture 100% of the toxic exhaust fumes at source... And remove it from your workshop!*”

Vehicle exhaust fumes are a hazard in vehicle repair workshops, car inspection stations and alike.

SovPlym's products and systems can be used for all types of vehicle – from cars to heavy vehicles. Our products are used in most automotive workshops, service facilities for cars, trucks, construction machinery, agricultural machinery, vehicle inspection stations, emergency service stations, military exhaust extraction, etc.

The most effective method of capturing

and removing of vehicle exhaust fumes is to capture 100% at source. This will provide a healthier and more pleasant and efficient working environment.

One of our best sellers among stationary extraction equipment is hose reels, either spring- or electric motor-driven.

Both variants offers, modern compact design, convenient and safe operation combined with quick and easy installation that reduces cost.

And a tidy and well-organized workshop.



## Spring operated hose reel ARS series

This reel is usually used with a hose of small diameter and length in case if mounting height is less than 4,5 meters. It can be equipped with a separate fan or can be connected to the central ventilation system, consisting of several extraction units.

## Motordriven hose reel ARM/ARMF series

No physical efforts are needed to operate this reel as it is driven by a motor, which is controlled from the wall mounted or remote panel, which is crucial when reels are mounted on big heights and heavy hoses of large diameters and lengths are used. ARMF reel is equipped with a separate fan, fixed on the frame.

## Turning console SSA series

Purpose of this unit is to increase the reels ARM and ARS (all types and sizes). It is used when there it is needed to service several vehicles by using one hose reel. It is equipped with a flexible metal connection sleeve. Lengths are varied from 1,5 to 4,5 meters.

## High temperature resistant hoses

They are used in vehicle exhaust-extraction systems. Wide range of hoses allows choose an optimal temperature limits, from 150°C to 650°C, its diameters vary from 75 to 200 mm and its lengths from 5 to 12,5 meters.

## Exhaust nozzles iGrip

Nozzles can have different forms and sizes, round and oval (for vehicles with doubled exhaust pipes). Steel round nozzles are used if there are high temperature exhaust gases. Rubber oval nozzles prevent car painting damage. Nozzle consists of exhaust pipe fixation elements, shutter and a vent for CO testing.



“ It is essential to create healthy and safe working conditions by reducing these risks. ”



Diesel engines produce a mixture of toxic gases and particulates. This exhaust is now classified in the same category as asbestos, arsenic, mustard gas, alcohol and tobacco.

This is one of a firefighter’s most significant cancer health risk and a serious legal liability for the fire department. It is essential to create healthy and safe working conditions by reducing these risks.

SovPlym offers a total flexibility in design and configuration to fit your specific needs. Including specialized mechanisms that make any attaching and running of the exhaust systems effortless. Quick detachment mechanisms for quick emergency exits and 100% source capture systems.

**Exhaust extraction rail system ARSL series**

This fully automatic system is very reliable and easy to use. It is designed specially for the

garages of fire stations, where vehicles have to be always ready for the immediate emergency departure. Each parking place is equipped with the separate system. Several systems can be combined into one by connecting them to the central fan. Such combined system sufficiently saves power and reduce heating expenses. This system fully ensures full exhaust gases extraction from the premises.

**Straight rail exhaust extraction system ARST series**

The system is designed for long garages, where transport is moving inline.

**Straight rail system for diesel-electric locomotive exhaust removal**

This particular system was developed for new electrical train TALGO which is now being used by Russian Railways company on international directions.

- The features of the system are:
- clear passage of the train under the fume extractor arm
  - minimum gap between tube and extractor’s head
  - no moving junctions that needs to be sealed makes the system more reliable.

# Emergency Response Exhaust Removal systems

SovPlym have long experience of exhaust extraction systems to master the specific needs fire and emergency stations. No matter the size of your station, sizes/types of vehicles or frequency of operations.

We offer a complete range of products and systems, and on top of that the knowledge how to build the optimal solution.

# Smoking cabins “Dialogue”

Freestanding modular smoking units that easily can be installed almost anywhere. Our smoking cabins remove any odor, gas or smell of tobacco. And not only this, the warm, filtered, clean fresh air is recycled into the room to maintain the indoor temperature.

## Features

- 99.9% of harmful gases and particles are removed;
- Modern, timeless design;
- Flexible sizes, from 2 to more than 20 pax;
- Doesn't affect existing AC systems;
- One spot for smokers and remains of cigarettes;
- Optional extras, like illuminated “advertising” displays.



# Workplace rigid sheets, welding and grinding booths

“Noise is often the cause of concentration loss... and consequently loss of quality and productivity.”

Welding and grinding processes are among the noisiest operations in industrial production.

SovPlym has developed special work booths for these operations, which easily can be equipped with or connected to an air ventilation system. With our booths the craftsmen are totally shielded from the working processes and separated from conflicting working tasks.

## Benefits Include:

- Eliminates costly permanent walls;
- Separates conflicting work tasks;
- Quickly creates privacy areas;
- Improves working conditions;
- Safely Protects personnel on other side from welding sparks and UV Light;
- Helps to control contaminants, temperature, odors, sound and light.



## Workplace rigid sheets

Can be used to separate and cover certain working areas. They can also be used to create physical barriers between a production area and the rest of the working area.



## Grinding and welding booths

Used for the noisy operations or as a shelter inside of the areas with a huge level of ambient noise.

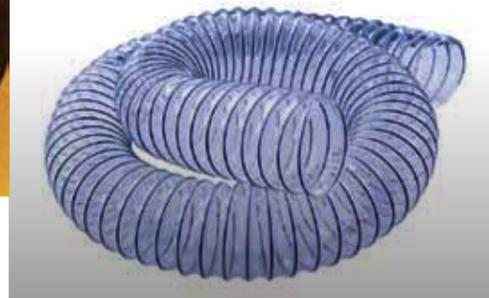


# Industrial hoses

Sovplym offers a wide range of industrial hoses of its own production. Hose tubes are produced from modern materials such as polyurethane resin, heat-resistant tissue materials, PVC, neoprene and silicon. Among the major features of industrial hoses there can be pointed the following: highly abrasion resistance; wide range of operating temperatures starting from -200°C to +1100°C; bacteria/hydrolysis resistance; resistance to chemicals; possibility to use in an explosion hazardous zones.

## FITS ALMOST ANY INDUSTRIAL APPLICATION:

-  **Woodworking industry**  
Used in furniture production with wood dust and chips extraction.
-  **Glass industry**  
Abrasion resistant suction hoses for glass dust and shards transportation.
-  **Chemical industry**  
Special series of hoses for the chemical industry.
-  **Cars and aviation industry**  
Heat resistant hoses, for exhaust gas extraction.
-  **Food industry**  
Hoses according specific food regulations.



## Flexible PU hoses

Material: PU  
Spring steel wire 1,5 mm

Temperature range: from -40°C to +90°C. Short-term temperature exposure up to +125°C.



## Abrasive resistant PVC, PU hoses

Material: wall polyurethane coated fabric. Spring steel wire.

Temperature range: from -40°C to +90°C. Short-term temperature exposure up to +125°C.



## Heat resistant hoses

Material: wall neopren / Hypalon / silicon / fiberglass.

Spring steel wire. Clamp profile supporting spiral: galvanised steel. Temperature range: from -60°C to +1100°C.

# Quality

“Total quality is just the beginning ...  
SovPlym is a quality driven,  
long term knowledge partner  
for the international  
production industry.”



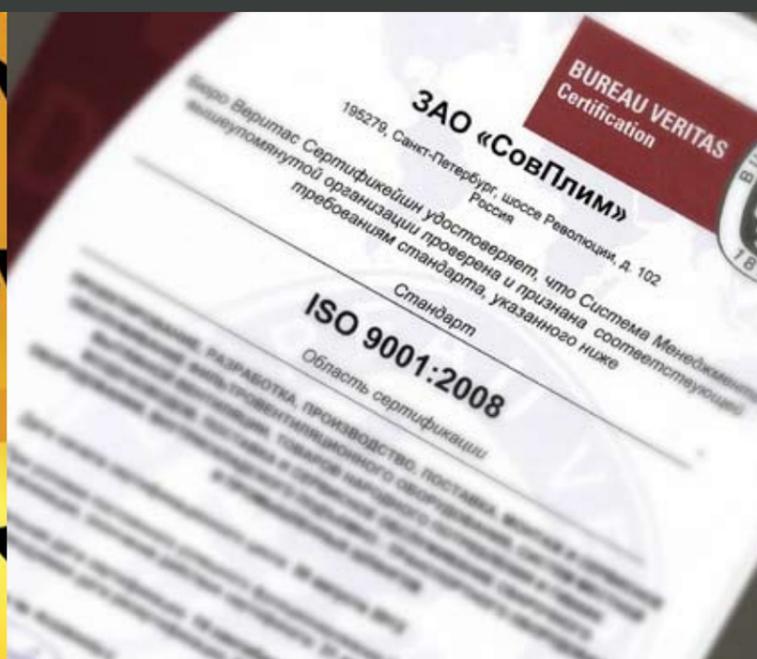
# Production

Latest technology and modern equipment development brings the full production cycle under total quality guarantee. From start, over each element of production, to final product assembly, finish control and transport.

Our more than 300 skilled craftsmen have a long record of producing durable, heavy duty products that offers reliable performance.

## Further more

We offer a full range of service for the system design, construction, equipment, installation, and engineering set up, start up support, warranty and after sale service. We provide full technical and information support for projects and service organizations as well as spare parts and equipment.



# Stainless Steel Edition

“Specially designed for the pharmaceutical, life science, chemical and food processing industries.”

It is our mission to supply producers with special hygienic and quality demands, with suitable air treatment systems that deliver efficiency, cost and energy savings as well as a healthy working environment.



## Mechanical filters with replaceable cartridges

Mechanical filters with replaceable cartridges – stationary or mobile! SovPlym offers self-cleaning filters with body made of stainless steel for different purposes and industry.

## Industrial fan VMA/VMK/VMS series

Industrial fan VMA/VMK/VMS series. Energy-saving fans for non-explosive environment with stainless steel housing.

## Extraction arms LabArm/BEA-M/EF/EC/WBE series

Extraction arms LabArm/BEA-M/EF/EC/WBE series. A variety of extraction arms with stainless steel tubes for different sectors of industry.

# Finally

*Sovplym is a constantly developing international company, where the ambition for Total Quality is just the beginning... and the final and best argument is Happy Healthy Customers.*



AutoVAZ Bosch Ford Henkel Honda John Deere Kamaz Komatsu Nissan Philips Samsung Schlumberger Schneider electric Shell Siemens Tenneco Toyota VolksWagen Volvo