

PATENTED UNITS



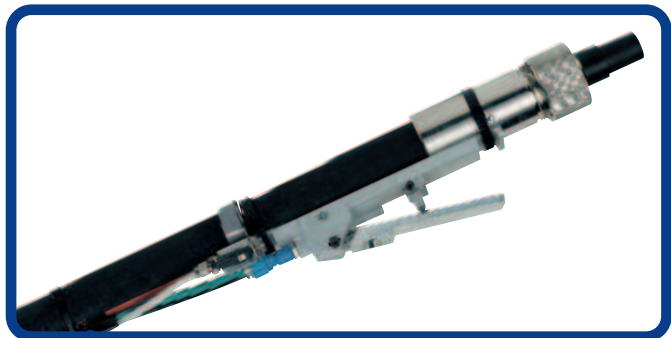
Shutter valve controlled by second remote control



Highly reliable pneumatic devices and prearrangement for various kits



Prearrangement for aero hidrosandblasting kit mod. WBK10



Highly sensitive pneumatic dual remote control with reduced intervention times and lower weight



Special dual electric control device
Possibility of conversion from pneumatic remote control to electric

SM

PROTECH MODULAR SANDBLASTING MACHINES

PROTECH's Modular Sandblasting machines and their under pressure tanks are manufactured and tested at our factory in Settimo Milanese according to the European norms **97/23/CE PED** with **European Certification N. 1131** and supplied with relating CE marking and conformity declaration.

The manufacture is carried out placing the upper part concave towards the inside. In this way, all sandblasting machines do not need a hopper and therefore, for similar capacities, the charging level is lower.

Every tank is equipped with hand-hole to aid internal inspection and with highly sensitive valve for tank closure.

Every machine or equipment is equipped with coupler points to carry out the lifting in the correct way and is supplied with instruction handbook for the use and maintenance. Every modular sandblasting machine is equipped with a dual pneumatic or electric remote control on request. This device enable the operator, from where he is working, to start and stop the machine and carry out the output unblock of abrasive when it, due to the moisture, is not regular or if the abrasive does not arrive to the nozzle. Every sandblasting machine is supplied equipped with: sieve, solid rubber wheels, remote control device for starting/stopping composed of aluminium handle-valve complete with security, locking system and with m.20 sheathed double hose (or cable) to avoid eventual accidental starting.

Every machine is also prearranged for air-water-blasting kit Mod.WBK10 applying.

Every modular sandblasting machine is supplied with CE marking, relating Conformity



Patented modular sandblasting machines with dual pneumatic remote-control

Part. number	Model	Capacity	Projet Pressure	Height	O.D.	Weight
42006000	SM 60	Lt. 60	7,84 bar	1010 mm	450 mm	77 Kg.
42012000	SM 120	Lt. 120	7,84 bar	1270 mm	510 mm	105 Kg.
42020000	SM 200	Lt. 200	7,84 bar	1440 mm	600 mm	135 Kg.

Patented modular sandblasting machines with dual electric remote-control

Available for supply voltage: 12 Volt D.C. - 24 Volt A.C.

Part. number	Model	Capacity	Projet Pressure	Height	O.D.	Weight
44006000	SME 60	Lt. 60	7,84 bar	1010 mm	450 mm	77 Kg.
44012000	SME 120	Lt. 120	7,84 bar	1237 mm	510 mm	105 Kg.
44020000	SME 200	Lt. 200	7,84 bar	1440 mm	600 mm	135 Kg.

SME



SMS

THE PROTECH MODULAR SANDBLASTING MACHINES MOD.SMS-SMES, are equipped with the abrasive dosage valve mod. PRV, as well as having the same characteristics as the SM-SME range.

This valve is controlled by a pneumatic impulse which determines when it is opened or closed in line with the starting and stopping of the working cycle, maintaining unchanged the adjustment previously set. In this way, there is the advantage of completely eliminating the initial blockage in the abrasive tube when the sandblasting machine start up, up to a distance of 20 meters.

For SMS-SMES models, it is also possible to install:

THE TRIPLE REMOTE CONTROL KIT. This system allows the abrasive valve to be also opened and closed while working and so of also completely eliminating the initial blockage over a distance of 20 m. The system also allows the cleaning of treated surface by blowing or, washing if the machine is complete with AIR-WATER SANDBLASTING

KIT MOD. WBK10

THE TRIPLE REMOTE CONTROL KIT TYPE PRESSURIZED TANK. This system, allows all the functions which are possible using the triple remote control kit and also working cycle to be stopped without depressurizing the tank of sandblasting machine. In this way the mixture will arrive at the nozzle immediately.



Patented modular sandblasting machines dual pneumatic remote-control and abrasive dosage valve mod. PRV.

Part. number	Model	Capacity	Projet Pressure	Height	O.D.	Weight
424.060.00	SMS 60	Lt. 60	7,84 bar	1010 mm	450 mm	77 Kg.
424.120.00	SMS 120	Lt. 120	7,84 bar	1270 mm	510 mm	105 Kg.
424.200.00	SMS 200	Lt. 200	7,84 bar	1440 mm	600 mm	135 Kg.
424.220.00	SMS 220	Lt. 220	11,76 bar	1560 mm	600 mm	185 Kg.
424.280.00	SMS 280	Lt. 280	10,50 bar	1630 mm	640 mm	220 Kg.

Patented modular sanblasting machines with dual eletric remote-control and abrasive dosage valve mod. PRV
Available for supply voltage: 12 Volt D.C. / 24 Volt A.C.

Cod. art. Part. number	Modello Model	Capacità Capacity	Press. Progetto Projet Pressure	Altezza Height	Diametro O.D.	Peso Weight
414.060.00	SMES 60	Lt. 60	7,84 bar	1010 mm	450 mm	77 Kg.
444.120.00	SMES 120	Lt. 120	7,84 bar	1270 mm	510 mm	105 Kg.
444.200.00	SMES 200	Lt. 200	7,84 bar	1440 mm	600 mm	135 Kg.
444.220.00	SMES 220	Lt. 220	11,76 bar	1560 mm	600 mm	185 Kg.
444.280.00	SMES 280	Lt. 280	10,50 bar	1630 mm	640 mm	220 Kg.

SMES

TOTAL DUST ELIMINATION USING THE AERO-HYDROSANBLASTING KIT MOD. WBK 10

This new system, patented by us, can be applied to all modular sandblasting machines and, following the appropriate modifications, to all PROTECH sandblasting machines fitted with remote control.

The system enables the addition of water to the air-abrasive mixture in order to obtain the following advantages in the various sectors of use:

- the gradual and steady reduction of quantities of dust until it is fully eliminated
- diminution of compressed air consumption (up to approx 25%) in proportion to increased quantities of water added to the air-abrasive mixture.

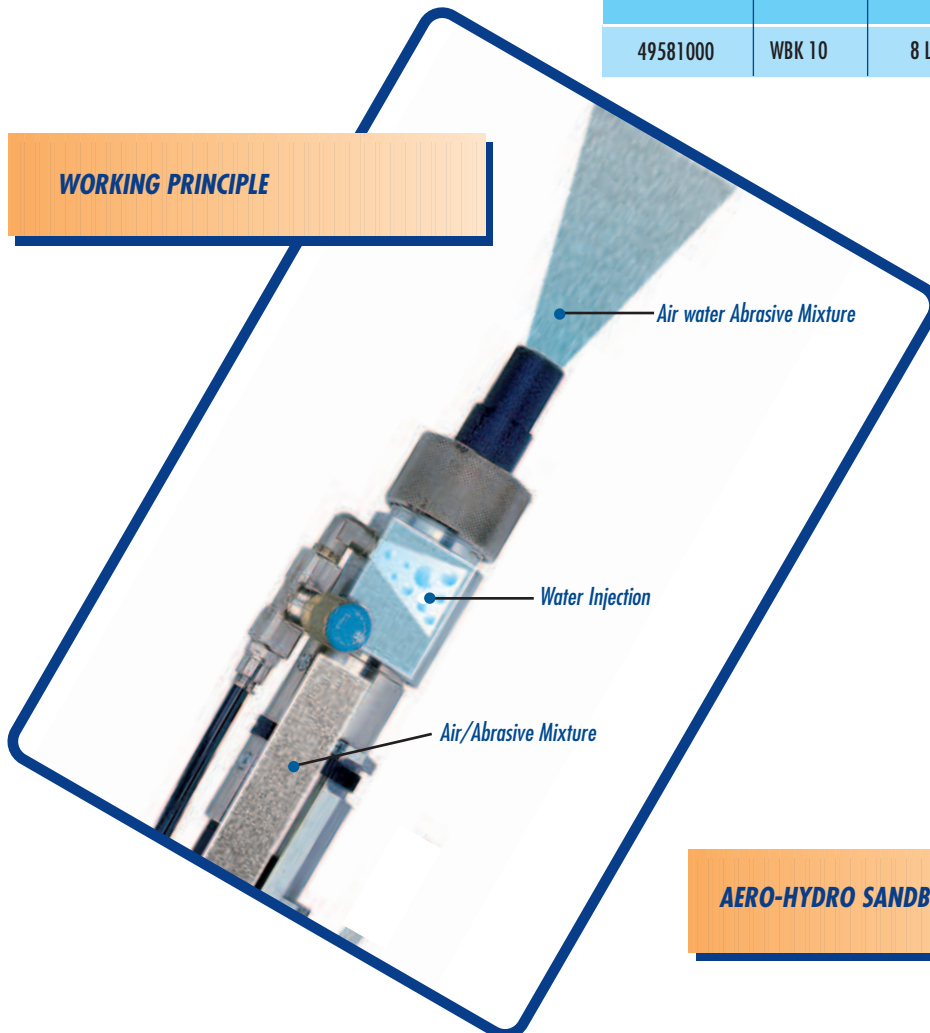
Due to its characteristics, the WBK 10 kit, also allows:

- the automatic interruption of water flow when the sandblasting machine is stopped
- the regulation of water quantities by the operator from wherever he is working
- a constant water flow rate of 2,5 it./min: up to 80 mt. (max.)

N.B. The system can be supplied by being connected to the water supply or, alternatively, using a water container tank.

Part number	Model	Max under flow rate	Max Working pressure	For sanders range
49581000	WBK 10	8 Lt. /min.	12 bar	SC-SM/S-SME/S 60-280

WORKING PRINCIPLE



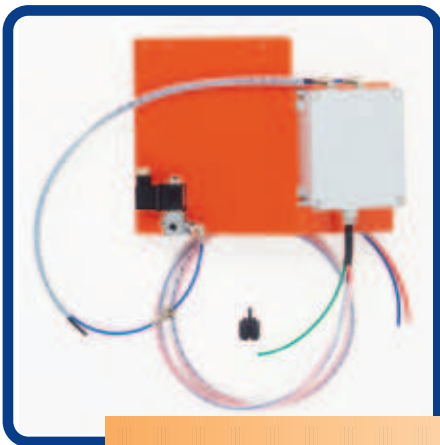
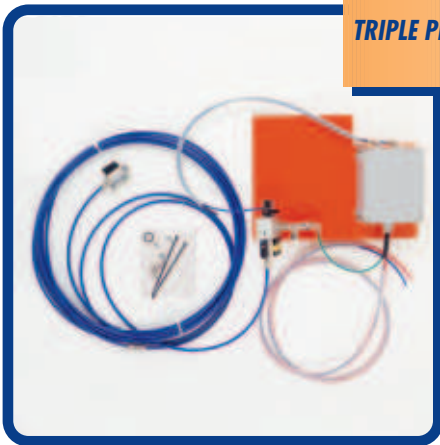
AERO-HYDRO SANDBLASTING KIT WBK10

The triple remote control kits can only be installed on the sandblasting machines range Mod. SMS or SMES and offer the following advantages to the operator:

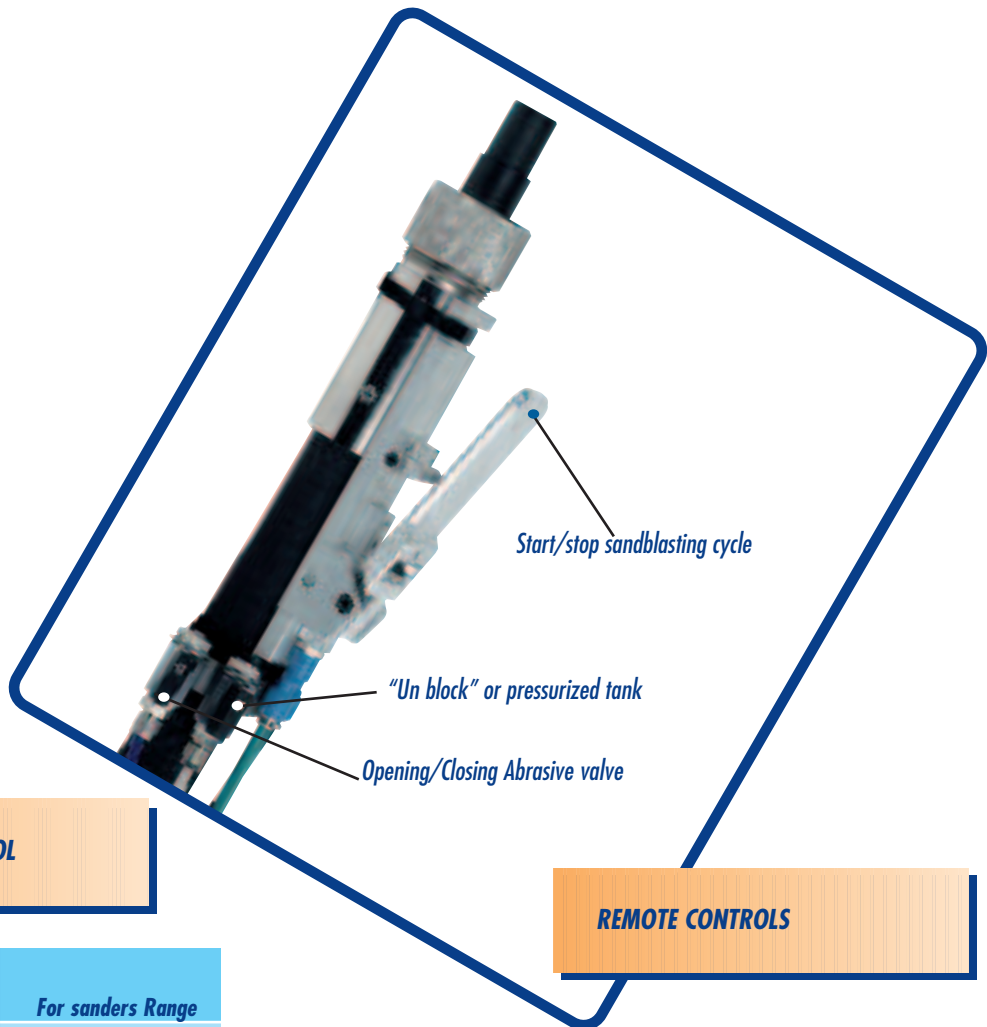
- automatic opening and closing, with pneumatic system, of the abrasive valve PRV, when the sandblasting machine starts and stops, consequently eliminating the initial blockage in the abrasive tube at the start of sandblasting cycle
- possibility of closing the abrasive valve mod. PRV, from the place where you are working, during the sandblasting cycle and then resetting the mix to the conditions previous to the interruption, using a ball valve on Mod. SMS and a switch on Mod. SMES.

The triple remote control (type PRESSURIZED TANK) also allows of not depressurizing the tank of sander when the sandblasting cycle stops. These kits can be supplied with the sandblasting machine or easily assembled later on.

TRIPLE PNEUMATIC REMOTE CONTROL KITS



ELECTRIC TRIPLE REMOTE CONTROL



REMOTE CONTROLS

Part. number	Model	Supply	For sanders Range
49566020	Triple remote control	Compressed air	SMS 60/280
49567020	Triple remote control	12 Vdc./24 V ac	SMES 60/280
49566030	Triple remote control pressurized tank	Compressed air	SMS 60/280
49567030	Triple remote control pressurized tank	12 Vdc/24 Vac	SMES 60/280

THE SOLUTION TO MANY PROBLEMS IN A SINGLE MACHINE

Example of a Modular Sandblasting machine mod. SMS220 complete with pneumatic triple remote control and kit Mod. WBK10 for air-water sandblasting. This machine allows to the operator, from where he is working, to carry out:

- the air-water sandblasting by a mixture of air-water-abrasive
- the dry sandblasting by a mixture of air-abrasive
- the washing of treated surface by a mixture of air-water
- the blowing of treated surface by air only
- the output unblock of abrasive when it, due to moisture, is not regular.



Using the patented system of air-water sandblasting, it is possible to achieve:

- the total elimination of dust
- reduced consumption of compressed air
- the same yield of the dry sander machine using a limited quantity of water.



MAIN SECTORS OF APPLICATION: restructuring of old plasterwork and interiors, sandblasting of industrial products, removal of traffic signals, depainting components of resin-glass boats and hulls.



TO CLEAN WITHOUT DAMAGING WITH "SOFTCLEAN" MACHINE

Cleaning without damaging the surface to be treated, by this time, is very important in the sector of treatment of surfaces, over all in the sector of restoration of monuments, facades of old houses, etc.

SOFTCLEAN MOD.SMS24 VR infact, is a machine which is designed and built by **PROTECH srl**, to remove paintings, calcareous material and deposits of smog or dirt, also the most resistant, without any risk of damaging the surface to be treated.

The technology is based on a system which enables the outfeed from the nozzle of a homogeneous mixture composed of 2 or 3 components: air, powder and eventually water. Each one is adjustable indipentely. According to hardness of that must be removed and according to the support to be cleaned, changing the type of powder and the working pressure, it possible to obtain a countless variety of mixtures and therefore to choose that one whic is more suitable to have the best result.

Part. n.	Model	Tank capacity	Working pressure	Dimensions	Weight	Compressed air consumption	Max work. distance
45002400	SOFTCLEAN SMS24 VR	Lt.24	0.6÷7 bar	850x610x H=1280 mm	kg. 75	500÷3000 Lt./min.	40 mt.



REMOVAL OF SMOG DEPOSITS AND GRAFFITI



The possibility of a very precise adjustment of SMS24 allows the use of very fine powders such as baking soda also soluble and atoxic. In the following sectors of application: removal of graffitii, cleaning of stores, treatment of particulars of food machines, in this way, the problem of selling off and faollution is eliminated.