



Surface Finishing Equipments

PORTABLE ABRASIVE BLASTING MACHINE



An ISO 9001:2015 Certified Company



Blasting pot

Description:-

This is an ideal machine for medium to larger projects such as bridge refurbishment work where mobility and high production rates are important.

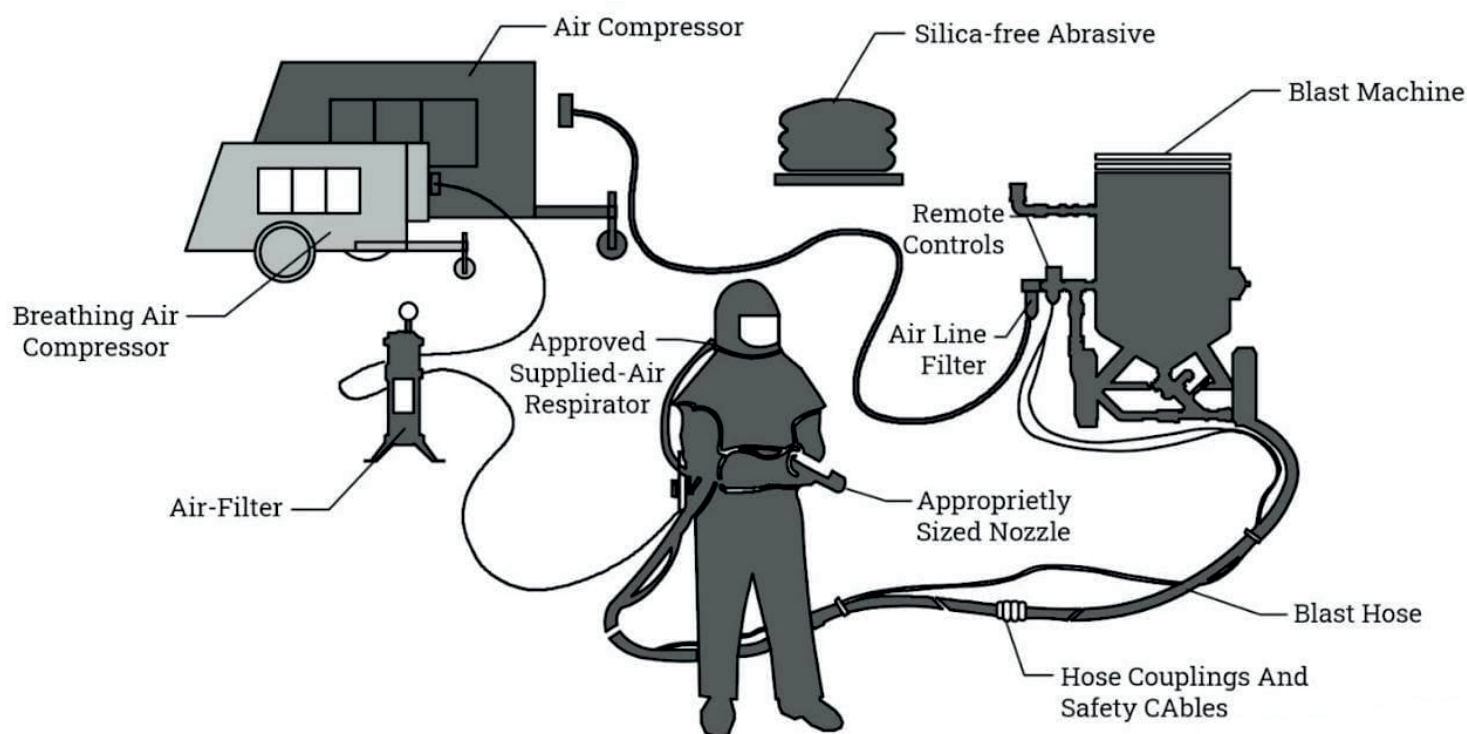
Fabricated from heavy gauge steel this blast pot is of the highest quality available.

Key features:-

- Heavy fabricated structure built with only graded best quality material
- Simple design for ease of operation
- Hydrotested at our premises for ensured safety
- Hydraulic hose used for flexible design and easy changeability
- Tested and certified pressure gauges and safety valves
- Concave top for rapid filling of pot which is sealed automatically by heavy duty pop-up valve
- Conical bottom ensures all media flows to metering valve
- Inspection hole – Allowing easy access for inspection and maintenance
- Simple and easily changeable abrasive metering valve
- Compact remote control system and silencer – This gives the operator full control at the end of the blast hose, giving higher efficiency of abrasive, increased performance and operator safety
- Moisture/Water Separator – Assists in removing the water/moisture from the incoming compressed air supply to the blast pot, thus helping to ensure that the abrasive does not become damp
- Quick claw couplings fitted to ensure quick set-up
- Main air isolation valve for additional safety
- Heavy duty wheels for increased mobility
- Powder coated for long lasting durability and rust resistance
- CE Approved
- Two point lifting arrangement

Technical data sheet

Portable Blaster Model					
	K-50	K-50	K-250	K-400	Jumbo 4000
Volume	38L	96L	224L	406L	3000L
Abrasive capacity	50kg	100kg	250kg	500kg	4000kg
Metal sheet thickness	6mm	6mm	6mm	6mm & 8mm	12mm
Tank diameter	254mm	406mm	609mm	762mm	1828mm
Height	635mm	762mm	1041mm	1168mm	1828mm
Weight	42kg	90kg	180kg	260kg	2100kg
No of nozzles compatible	1	1	1	1	Upto 4





1. A heavy-duty blaster tank is designed for withstanding rough use and delivering smooth operation.
2. A manhole is designed for better accessibility inside the tank.
3. A certified pressure gauge
4. Certified safety valves
5. Use of rubber hose instead of metal hose for better flexibility and easy changeability
6. Remote control valves with dead-man handles
7. lifting point
8. easily changeable abrasive metering valve
9. Heavy wheels with rubberized coating

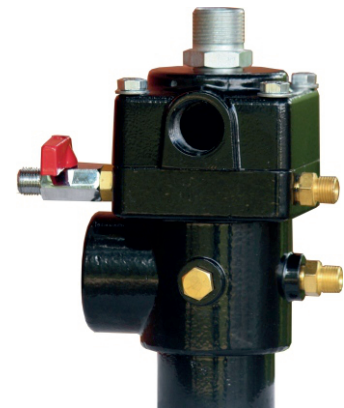


REMOTE CONTROL VALVE WITH SILENCER

This is one of the most reliable and rigid design of remote control available in market. Made up of special aluminum alloy and precise machined parts this Remote control is combination of Inlet and exhaust chambers along with silencer/muffler. Silencer reduces the noise of compressed air passing through it while depressurizing the machine. This remote control valve is available in 1-1/4" BSP/ NPT connections and 1/4" BSP or 7/16" KIC twin line connections.

REMOTE CONTROL VALVE II

Remote Control II is new designed valve. It is small in size as compare to Remote Control Valve K011 and can be installed at the place of Remote control valve K011. Just like K011 it is also combination of Inlet and exhaust chambers.



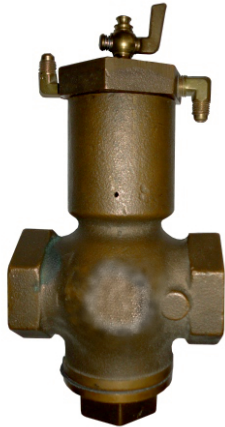
DEADMAN HANDLE (PNEUMATIC)

One of the most reliable and popular design in the market this pneumatic Deadman Handle or Trigger is manufactured with special aluminum alloy cast parts. It works as switch to operate Remote control valve. Spring loaded lever stopper is special safety feature to avoid accident, deadman handle will work only when safety stopper is moved down. It is available in 1/4" BSP or 7/16" KIC connections.

PINCH VALVE

Heavy construction of aluminum, this valve works by pressing or release of rubber pipe/ hose passing between the piston shaft and base of this valve. A connection of 1/4" BSP or 7/16" KIC is provided to operate this valve.





INLET VALVE (BRASS)

Completely made of brass this Inlet valve is one part of classic design of complete Remote system that allow air to enter the machine and pressurise or de pressurise the machine with the help of operating switch/ deadman's handle. Available Inlet and outlet size of this valve are 1-1/2" BSP/ NPT. Deadmans handle connection are 7/16" KIC or 1/4" BSP.

OUTLET VALVE (BRASS)

Outlet valve is second part of classic design of complete Remote system this part depressurise the machine with the help of deadman's handle. Main connection of this valve is 1" BSP / NPT and Deadmans handle connection are 7/16" KIC or 1/4" BSP.



ABRASIVE TRAP 1"

Abrasive trap is used to installed at exhaust of machine. It filters the air and trap abrasive particles when machine is de-pressurised. It is a solid construction of aluminum with a fine filter element of brass. Two removable covers are provided at both ends of this equipment to clean it.



FLAT SAND VALVE 1-1/4" BSP/ NPT

This 45 degree aluminum body valve is very popular world wide and is best suitable for sand or garnet like abrasives. Long lever allows operator to easily control the flow of abrasive and special indicator assembly indicates how much valve port is opened. Special inspection port is provided to remove the moist abrasive (If required). Pot connection is 1-1/4" BSP/ NPT



STEEL GRIT VALVE 1"

Design of this valve is simple yet very effective and convenient to operate and maintain. Grit valve is suitable for many types of grits and shots but most suitable for metal grits and shots. Easy to operate knob allows good flow control of abrasives. Clockwise rotation of knob reduce the flow of abrasive and anti-clockwise rotation of knob increase the flow of valve.



STEEL GRIT VALVE 1/2"

Steel Grit Valve 1/2" is same in quality and efficiency as compare to Steel Grit Valve 1". It is smaller version of Steel Grit VALVE 1" to install on small machines of 1/2" or 3/4" pipeline. Operation of 1/2" is same as of 1".



THOMPSON VALVE 1-1/4" BSP/ NPT

Thompson valve is one of the latest design that control the flow of abrasive automatically. It is normally closed valve, it comes with precise abrasive flow control setting. Tungsten carbide parts results in very long life to the valve. Special marking is provided to let operator know how much valve port is opened. Valve is available in various sizes of pipe nipple (barrel):

1-1/4"(M) x 1-1/4"(M) BSPT/ NPT
1-1/4"(M) x 1-1/2"(M) BSPT/ NPT
1-1/4"(M) x 1"(F) BSPT/ NPT



MICRO VALVE 1-1/4" BSP/ NPT

Micro valve is one of best design in abrasive flow control valves. Valve control the flow of abrasive very precisely. It's internal parts are made from special hardened alloy steel to provide long life to the valve. Pot connection of micro valve is 1-1/4" BSP / NPT and It is available in various size of pipe nipples:

1-1/4"(M) x 1-1/4"(M) BSPT/ NPT
1-1/4"(M) x 1-1/2"(M) BSPT/ NPT
1-1/4"(M) x 1"(F) BSPT/ NPT



MICRO VALVE 1-1/4" WITH INSPECTION PORT 1" BSP/ NPT

Micro valve II is improved version of micro valve. It is same as Micro valve with addition of Inspection port of 1" to remove moist abrasives or any obstacle responsible of choking of abrasive flow. It also have pot connection of 1-1/4" BSP / NPT and It is also available in various size of pipe nipples:

1-1/4"(M) x 1-1/4"(M) BSPT/ NPT
1-1/4"(M) x 1-1/2"(M) BSPT/ NPT
1-1/4"(M) x 1"(F) BSPT/ NPT



MICRO VALVE 3/4" BSP/ NPT

Micro valve I is designed to fit on 3/4" or 1/2" pipe line machines. Just like other micro valves this small micro valve is also made of hardened alloy steel parts to provide longer life and also provide very precise flow control of abrasives.



INTERNAL PIPE CLEANING COLLAR & NUTS

Just like scissor carriage this equipment is also used to clean pipe internally. Various size of set of pins are provided to adjust the size ranging between 3" to 5" to clean pipe internally. It is very useful equipment to clean pipe where human hand cannot reach.

INTERNAL PIPE CLEANING SCISSOR CARRIAGE

As is clear from its name, this equipment is used to clean pipe internally. Its range of pipe cleaning internally can be adjusted from 5" to 12". It is very useful equipment to clean pipe internally where human hand cannot reach.



BREATHER FILTER & FILTER CARTRIDGE

Blast operator work in dust and polluted conditions, it is necessary to provide him clean respiratory air. Breather filter cleans the air coming from pump or compressor, remove moisture dust, odor and supply clean and breathable air to blast operator. Cartridge is recommended to be checked regularly and replaced after a particular period of time.



WHIP CHECK SAFETY CABLES

A whip check is a safety cable used during an abrasive blasting process. Whip checks connects air/blast hoses across the coupling to prevent the hoses from flying around and avoid accidents if the connection inadvertently separates.



TUNGSTEN CARBIDE NOZZLES

Tungsten carbide nozzles are made with special selected grade of Tungsten carbide which provides longer life as compare to some other nozzles available in market. These nozzles are available in various sizes of inlet, orifice and thread like contractor/ coarse thread, fine thread, 1" BSP

NOZZLE HOLDERS

As is clear from its name, Nozzle holders are used to hold nozzles. It is installed at one end of Blast hose and nozzle is installed on nozzle holder by thread. Just like Nozzles, nozzle holders are also available in various sizes of threads. Most commonly used threads are contractor/ coarse, fine thread.



SANDBLAST HOSE

Sandblast hose is made up of superior quality rubber reinforced with special threads. A thick layer of rubber is provided inside the blast hose to give long life to sandblast hose. Available sizes are 1/2" NB (25mm OD), 3/4" NB (34mm OD), 1" NB (40mm OD), 1-1/4" NB (48mm OD).

AIR HOSE

Just like sandblast hose, air hose is also made up of superior quality rubber reinforced with special thread. Available sizes are 1/2" NB, 3/4" NB, 1" NB, 1-1/4" NB.



MOISTURE SEPARATORS

These moisture separators are heavy construction of aluminum. These are specially designed and manufactured for outdoor installations and are suitable to install on portable sandblasting machines. An auto drain valve is provided at the bottom of moisture separator to drain out collected water, when moisture separator is de-pressurised. They remove water and oil particles with 99.9% efficiency.

Available size are:

J033A - 1/2" BSP/ NPT

J033D - 1 1/4" BSP/ NPT

J033 - 1 1/2" BSP/ NPT



RUBBER LINED Y, T, PIPE, HEX NIPPLE

These pipe fittings are rubber lined from inside, when mixture of air and abrasives passes through any metal surface, it wears it out very fast but rubber is abrasion resistant material so rubber lining increase the life of fittings many more times as compare to raw metal.



POP UP VALVES (FLAT & CONIC)

Pop up valve is installed inside the pot to seal it to pressurise it so that it get pressurised and start blasing. Pop up valve is made by special rubber reinforced with steel from inside. It is available in two shapes. Flat and Conical.



O RINGS FOR POP UP VALVE

These O Rings are fitted inside the Pot in the retainer provided inside the pot. Pop up valves lifted up and came in contact with O Ring to seal the pot and allow it to get pressurised so that blasting can start.



BLASTING HELMET

Blasting helmet for safe and effective blasting operation



AIR DRYER

Air dryer available for dry air to avoid rusting due to moist air.
Size available from 50 to 1500 cfm



AFTER COOLER

After Cooler available from 50 to 1200 cfm



ABRASIVE SCREENING MACHINE

Abrasive screening machines available for recycling your abrasive and sorting them in various sizes. Production from 2tn to 8tn available



AIR RECEIVER TANK

Air receiver tank available from 100L to 3000L



AUTO DRAIN VALVE

Auto drain valves of various size available in mechanical and electronic design



WET BLAST NOZZLE ATTACHMENT

Wet head blast attachment for nozzle available in various size and design



PIPE INTERNAL BLASTING EQUIPMENT

Internal blasting equipment available from 75mm to 900mm internal diameter.





Surface Finishing Equipments

KULMEC COMPRESSOR

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