



**BLAST CLEANING & FINISHING SYSTEM  
PORTABLE ABRASIVE BLASTER P7**

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CLEANING

PEENING

DEBURRING

FINISHING

PAINTING

# SILENT FEATURES OF P7 ABRASIVE BLASTERS

When you buy Portable Pressure Blaster, consider the following features, Many of these are either totally absent in competitive makes or are Supplied at extra cost. P7 is a package unit.... Complete for operation.

## 1. AUTOMATIC FILLING VALUE :

The machine is provided with automatic mushroom value (Filling Value) for quick refilling of abrasive.

## 2. TUNGSTEN CARBIDE VENTURI NOZZLE :

The long & Short series convergent-divergent tungsten/ boron carbide lined blasting nozzle ensures high velocity, evenly distributed blast pattern & higher blasting output and provides minimum wear, longer life and greater resistance against breakage.

## 3. BLAST HOSE :

The blast hose is highly abrasion resistance with improved mixing value outlet for longer life, high flexibility with lower bend radius & light weight and electrically antistatic for safe operation.

## 4. ABRASIVE CONTROL VALVE :

The machine is fitted with pinch valve with hand wheel to control the abrasive flow through blast nozzle.

## 5. ABRASIVE SIEVING :

A wire screen is fitted with pneumatic vibrator to sieve abrasive to avoid blast line choking.

## 6. ABRASIVE TANK CONSTRUCTION :

Abrasive tank is fabricated from tested quality steel plate in accordance with IS-2825 and hydraulically tested at 250 psi.

## 7. AUTOMATIC EXHAUST VALVE :

It vents outlet air and thereby machine is depressurized instantly. Valve opens automatically with stop of air supply to machine and vice-versa.



## OPERATOR SAFETY WEARS

### AIRFED BLASTER'S HELMET-PC1

Rubberised FRP helmet provides the operator's head protection from safety crash and impact of abrasive and still allows a clear view through easily replaceable visor. It provides breathing air to operator to protect him from dust inhalation.

### HELMET HOSE :

It channels the purified and cool air supply for breathing to operator during blasting operation.

### HELMET AIR CONDITIONER :

It provides cool air to helmet to ensure comfortable environment to operator. The temperature is regulated by adjusting control value fitted on it.

### AIR BREATHER :

It consists of a disposable activated charcoal cartridge filter unit which purifies the incoming air supply to helmet from moisture, oil and dust contaminants. Thus clean air is fed to operator for breathing.

### GUM BOOT :

A pair of gum boots provides safety to operator's feet & ensure compliance to industrial safety regulation.

### HAND GLOVES :

A pair of Hand Gloves provides safety to operator's hand and ensure compliance to industrial safety regulation.

## OPTIONS AVAILABLE ON REQUEST

### AIR FED HELMET MS-2005

'ABRABLAST' air fed blast cleaning helmet is result of our long experience and extensive field experiments. It provides ultimate safety and comfort to operator during blast cleaning operation.



### BREATHING AIR FILTER BAF-4

The ABRABLAST BAF-4 is designed to remove oil mists, water vapour and particulate upto 0.5 microns from breathing air. Air from compressor enters the filter through either of the two inlet parts. Moisture is removed by expansion in the outer chamber & drain out through a pet cock at the bottom of the unit.



### REMOTE CONTROL SYSTEM

It place complete ON/OFF control of Machine in the hand of operator at blast nozzle. It saves abrasive and air consumption when operator changes position or performs spot blasting and provides added safety to operator and other personnel in the area. Machine fitted with Remote Control System is designated with 'R' such as 'P7-301R', P7-1001R and so on.



### FEATURES AVAILABLE ON REQUEST

#### With All Models

- Stationary Model
- Air Regulator
- Pneumatic Remote Control System

#### With P7-501, 1001 & P7-901 ONLY

Electric remote control system  
Bigger size blast nozzle & blast hose  
Maximum working pressure increased upto 10.5Kg/sq. cm (150psi)  
Dual outlet for two operator working



### INTERNAL PIPE CLEANING TOOLS

Internal pipe cleaning tools can clean the inside surface of pipes of diameter 51mm to 914mm and length upto 12m. It cleans completely around 360 degree interior of pipe.

Removes stubborn rust, carbon, scale, old paint etc. Internal pipe cleaning tools operate with any high capacity pressure blasting machine such as P7-501, P7-1001 or P7-901.

## PORTABLE ABRASIVE BLASTERS - SPECIFICATIONS

	P7-150	P7-301R	P7-501R	P7-601R	P7-1001R	P7-901R (with dual outlet)
Abrasive Capacity						
Metallic (Kg.)	150	300	500	600	1000	900
Sand (Kg.)	65	130	230	275	460	400
Volume (Liters)	42	85	142	172	284	255
Overall Dimensions approx						
Height mm	1110	1290	1370	1500	1610	1610
Diameter mm	360	460	615	615	760	615
Weight Kg.	95	140	180	200	245	220
Blast Nozzle Tungsten Carbide lined Orifice mm [ *Standard size supplied unless ordered otherwise]	5 6	6 5	8 6, 10	8 6, 10	10 8, 12	10 8, 12
Blast Hose ID (mm)	19	19	25	25	32	32
Blast Hose Length (meter)	5	5	7.5	10	10	10
Recommended Air Hose ID (mm)	19	19	25	25	32	32
Approx Cleaning Rate (Sq. Mtr./Hour) For guidance only	3 to 4	5 to 9	11 to 15	11 to 15	15 to 19	15 to 19
Compressed Air Requirement at 5.63 Kg./sq. Cm (80psi) Cubic meter/minute (CFM)	1.27 (45)	2.41 (85)	3.85 (85)	3.85 (135)	7.08 (250)	7.08 (250)
Recommended Abrasive size range BS Mesh	30 to 80	25 to 80	16 to 80	16 to 80	12 to 80	12 to 80



## PORTABLE ABRASIVE BLASTER P7

- ▲ PORTABLE ABRASIVE BLASTING MACHINE  
MODEL : ALL
- ▲ OPERATOR SAFETY WEAR

**brablast**<sup>®</sup>  
*assured to deliver excellence*

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