



ALLIED

ENGG. SOLUTIONS

COMPLETE SHOT BLASTING SOLUTIONS

*Leading Manufacturers of
Pneumatic Sand Blasting Machines,
Spares, Safety Wears and Abrasives*



APPLICATIONS



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PORTABLE BLASTER



P-7 150



P-7 301R



P-7 500



P-7 1001R

Works on Pressure Feed System.

Blaster Chamber: Fabricated from high quality MS Steel Plate.

Hydraulic Testing: At 250 PSI to Ensure Maximum Safety.

Mounted on Castors, can be carried on site.

Various sizes: 150L, 300L, 500L 1000L and other customisable sizes.

Also available with Remote Control Valve for automatic ON-OFF control.

SPECIFICATIONS	MODEL			
	AES PORT 150	AES PORT 301/301R	AES PORT 501/501R	AES PORT 1001/1001R
Overall Dimensions:				
Height (mm)	1110	1325	1380	1610
Diameter (mm)	360	465	615	760
Weight (Kg.)	95	140	165	250
Abrasive Capacity				
Metallic (Kg.)	150	300	500	1000
Sand (Kg.)	65	130	230	460
Volume (L)	42	85	140	285
Approx. Cleaning Rate (Sq. Mtr/Hour)	3 to 4	4-9	10-15	15-20
Compressed Air Consumption (cfm) at 5.63 Kg/Sq.Cm (80 psi)	45	80	125	250
Compressor Req'd. (HP)	15	25	40	75
Recommended Abrasive Size BS Mesh	30 to 80	25 to 80	16 to 80	12 to 80

SUPER/ SUCTION BLASTER (SB)



- Works on Induction-Suction principle.
- Recommended for Thin deposits Blast Cleaning.
- Production output Low & Medium.
- Blasting is carried out in closed chamber insuring safety & dust free.
- Abrasive is recollected & recirculated in chamber.
- Safety: Gasketed doors with lock system.

PRESSURE BLASTER (PB)



- Works on Direct Pressure principle.
- Recommended for Thick & Hard Blast Cleaning.
- Production output Medium & High.
- Foot switch for easy control.
- Easy vision: Large window glass with high illumination.

WET BLASTER (WB)



- Works on Induction-Suction principle.
- Recommended for Fine deposits Blast Cleaning.
- Production out Low & Medium.
- Large glass with wiper for clear vision.
- No erection required, easy installation.

MODEL	SB			PB			WB	
CABINET SPECIFICATIONS	<i>AES SB</i> 6060	<i>AES SB</i> 9182	<i>AES SB</i> 12090	<i>AES PB</i> 9182	<i>AES PB</i> 12090	<i>AES PB</i> 150120	<i>AES WB</i> 9182	<i>AES WB</i> 12090
Working Chamber:								
Height (mm)	600	775	900	775	900	900	775	900
Width (mm)	600	910	1200	910	1200	1500	900	1200
Depth (mm)	600	820	900	820	900	1200	820	900
Abrasive Storage Capacity Ltrs.	28	28	42	28	42	42	42	42
Fan Capacity cfm	200	400	600	500	500	800	200	400
Dust Collector/ Mist Collector/ Reclaimer Fan Motor HP	0.5	1.0	1.5	1.0	1.0	1.5	0.5	1.0
Slurry Pump Motor	-	-	-	-	-	-	1.0	1.0

★ Also available Tumble Basket, Inside Turn Table, Gun Reciprocation

DUST COLLECTOR



CYCLONIC DUST COLLECTOR



FABRIC DUST COLLECTOR

- Increase the efficiency by separating abrasive from dust & other impurities.
- Essential healthy & clean environment.
- Easy replaceable dust bags, when worn out.

Cyclonic Dust Collector

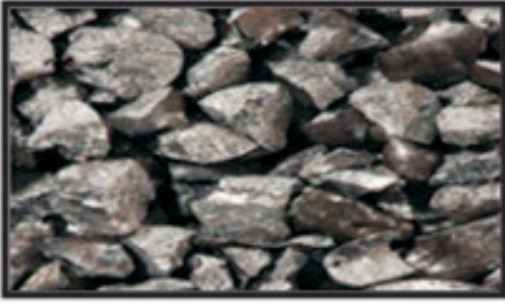
MODEL	CAPACITY (cfm)	FAN MOTOR (HP)
AES CLDC 01	800	2
AES CLDC 02	1500	3
AES CLDC 03	3000	5
AES CLDC 04	4000	7.5
AES CLDC 05	5000	10

Fabric Bag Dust Collector

MODEL	CAPACITY (cfm)	No. Of BAGS	FILTER AREA (Sq. Mtrs.)	FAN MOTOR (HP)
AES FBDC 01	2000	24	30	5
AES FBDC 02	3000	36	45	7.5
AES FBDC 03	4000	48	60	10
AES FBDC 04	5000	60	75	12.5
AES FBDC 05	6000	72	90	15
AES FBDC 06	8000	96	120	20
AES FBDC 07	10000	120	150	25
AES FBDC 08	12000	144	180	30
AES FBDC 09	16000	192	240	40
AES FBDC 10	20000	240	300	50

ABRASIVES

CHILLED IRON GRIT



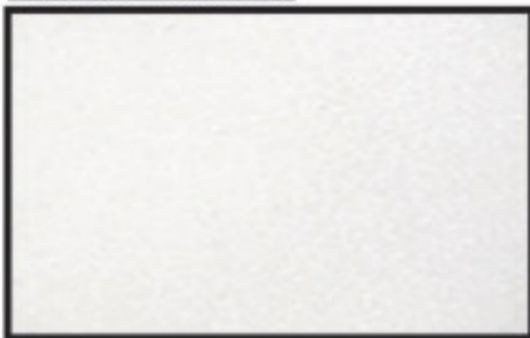
- Mesh Size: 8 - 120
- Size mm: 2.00 - 0.09
- Fast Cleaning of Heavy Contamination.
- Standard Packing of 50kg per HDPE bag.

STEEL SHOTS

- Mesh Size: 8 - 52
- Size mm: 2.00 - 0.30
- Fast Cleaning, Descaling, Deburring, Deflashing, Shot Peening on Iron & Steel.
- Standard Packing of 25kg per HDPE bag.



GLASS BEADS



- Mesh Size: 18 - 350
- Size mm : 0.85 - 0.04
- For Dry & Wet process to Gently Clean.
- Descale, Deburr, Shot peen at low intensity.
- Standard Packing of 25kg per HDPE bag.

ALUMINIUM OXIDE

- Mesh Size: 12-240
- Size mm: 1.40-0.06
- Recommended for both Dry & Wet Blasting.
- Used for both Ferrous and Non-Ferrous Components.
- Standard Packing of 50kg per HDPE bag.



★ Also Available Steel Grit, Copper Slag, Chilled Iron Shot, DF Grit/Walnut Shell, Paint O Clean/Plastic Grit Urea etc.

SPARES

PINCH VALVE



- Uses pinching effect to obstruct media flow.
- Easy replaceable rubber sleeve.
- Also known as “Control Valve”.

- Automatic tank sealing.
- Also known as pop valve.
- Available in MS and Aluminium body.

MUSHROOM VALVE



EXHAUST VALVE



- Instantly depressurises, used for venting air.
- Available in MS and Aluminium body.

- Fabricated from superior quality of casting.
- Withstand harsh conditions.
- Metering wheel allows wide range of media flow.

GRIT VALVE



BLASTING NOZZLE



- Made from tungsten carbide and boron carbide.
- Deployed in Portable Blaster, Pressure Blaster Suction/Super blaster, Wet blaster.
- Sizes: 5,6,8,10 & 12mm

SPARES

Y GUNS



- Fabricated from aluminium/steel.
- Light weight for easy handling.
- Low maintenance is required.

REMOTE CONTROL VALVE & DEADMAN HANDLE

- Works as switch for easy on-off operation.
- Saves abrasive and air consumption.
- Provides additional safety.



BLASTING HOSE



- Premium range of 'Gates Wrestler' blasting hose.
- Highly abrasion resistance, anti static, kink proof and flexible with lower bend radius.
- Sizes: 19,25,32 & 38mm

MIXING TUBE

Adequate mixture air & abrasive is carried out.

Fabricated from high quality casting.

Also available: Air nipple, Abrasive nipple and Union.



NOZZLE HOLDER & HOSE CONNECTOR

Used for coupling.

Light weight and strain free grip.

Sizes: 19, 25, 32 & 38mm



SPARES

RUBBER SHEET



- Used for lining of blast rooms.
- Made from natural rubber.
- Electrical shock proof, abrasive resistant.
- Less wears & tears.

BUCKET ELEVATOR BELT

Wear resistant belts, high tensile strength, oil resistant.
Also available Seamless buckets, top-bottom pulley & screw conveyor.



RUBBER CONSUMABLES



- Oil resistant U-seal and O-ring.
- Rubber diaphragms for pinch valve, grit valve, exhaust valve, remote control valve, air regulator etc.

VIBRATOR

Pneumatic operation, used for sieving abrasive on wire screen.

Fabricated from high quality aluminium casting.



AIR FILTER & PRESSURE GAUGE



- Air Filter acts as moisture separator, removes gases from supplied air supply, ensures filtered dry air.
- Pressure gauge monitors adequate supplied pressure.

SAFETY WEARS

OPERATOR SUIT



- Single piece suit, covering operator's body.
- Provide safety against impact of flying abrasive media.
- Most eminent suppliers, importers & traders.

RUBBER HAND GLOVES

Shield operator's hand.

Provide prevention against damage through high flying abrasive media and static charge if any.



GUM BOOTS



- Ensures compliance with industrial safety regulation.
- Protect operator feet from flying abrasives.

AIR BLASTER HELMET

- Provides operator head protection.
- Made from rubberised FRP helmet, clear vision.
- Easy replaceable inner and outer visor.



AIR BREATHER, AIR CONDITIONER & HELMET HOSE



- Contains activated charcoal.
- Removes oil, dust and harmful gases.
- Adjustable knob regulates temperature.

★ Also available Ear plugs, Eye gears and Nose mask for operator's safety