

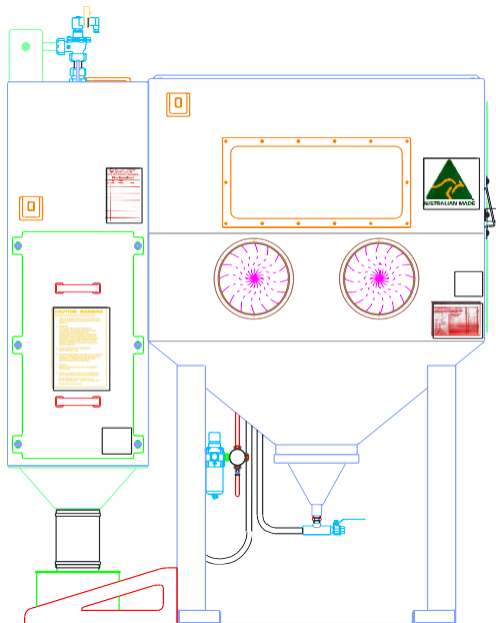


MULTIBLAST PRO SUCTION SANDBLASTING CABINET

OPERATING MANUAL

Model	Part Number	Serial Number
PRO1000SC		
PRO1200SC		
PRO1200SSC-RP		
PRO1500SC		
PRO1500SSC-RP		
PRO1800SC		
PRO1800SSC-RP		

Index



Section 1.0	Important Information
Section 2.0	How The System Works
Section 3.0	Installation & Initial Set Up
Section 4.0	System Operation & Adjustments
Section 5.0	Preventative Maintenance
Section 6.0	Troubleshooting
Section 7.0	Replacement Parts Listing
Section 8.0	Specifications



IMPORTANT – READ THIS INFORMATION CAREFULLY PRIOR TO OPERATING THE EQUIPMENT.

ALL ABRASIVE BLASTING OPERATIONS ARE DANGEROUS AND CREATE A HAZARDOUS ENVIRONMENT.

FAILURE TO COMPLY WITH THIS INFORMATION MAY CAUSE SERIOUS INJURY OR DEATH.

1.0 Important Information

- 1.1 All products and equipment designed and manufactured are intended for use by experienced users of abrasive blasting equipment, and its associated operations and abrasive blasting media.
- 1.2 It is the responsibility of the user/purchaser/distributor to:
 - 1.2.1 Determine if the equipment and abrasive media are suitable for the user's intended use and application.
 - 1.2.2 Familiarise themselves with any appropriate laws, regulations and safe working practices which may apply within the user's working area/environment.
 - 1.2.3 Provide appropriate operator training and a safe working environment, including operator protective equipment such as, but not limited to, safety footwear, protective eyewear, hearing protection, and respiratory protection where applicable.
- 1.3 No representations are made or intended as to the useful life, maintenance cycles, efficiency or performance of the reference products or any combination of products.
- 1.4 Information contained herein must not be used for estimating purposes. Production rates, labour performance and surface finishes are the sole responsibility of the user.
- 1.5 Read all instructions carefully prior to operating this equipment, and do not allow it to be operated by inexperienced, untrained or unauthorised personnel.
- 1.6 Ensure that the equipment is correctly serviced and maintained as specified in this manual, and that only genuine replacement parts are utilised. Failure to use genuine replacement parts may void your warranty.
- 1.7 All pressure vessels (where supplied) are designed, manufactured and certified in accordance with Australian Standard AS1210. A copy of this certification will be supplied with this manual if applicable. Do not weld, grind or drill any pressure vessel, as this will void the certification and warranty, and may weaken the vessel, causing a catastrophic failure.
- 1.8 This equipment is not designed for use in areas designated as hazardous. Contact your local representative prior to operating this equipment in a hazardous area.
- 1.9 All compressed air fittings, connections and hoses must be in good condition, fit for purpose, correctly sized and fitted, and carefully inspected prior to use.
- 1.10 Breathing airborne dust from any abrasive media may cause lung disease or other serious injury. Always wear suitably designed respiratory protection when handling any abrasive media, and when in the immediate area during any abrasive blasting operation.
- 1.11 Static electricity may be generated during any abrasive blasting operation. All equipment should be well grounded/earthed to prevent electric shock and reduce the risk of spark generation.
- 1.12 All Supplied Air Respirators (i.e.: blasting helmets) where used must comply with the requirements of AS/NZS 1716:2003, and must be supplied with breathing air as specified in AS/NZS 1715:2009 or higher, at a flow rate between 170l per minute (6cfm) and 425l per minute (15cfm) at all times.

Section 2.0 How The System Works

- 2.1 The suction blast cabinets feature a cabinet to enclose and contain the blasting action, a pneumatically operated, safety interlocked blasting system, and a dust collection system to ventilate the blast cabinet.
- 2.2 The blasting system
 - 2.2.1 The suction blasting system features an air pressure filter/regulator, a foot pedal to start/stop the blast action, a pilot-operated air control valve, safety door interlocks, and a suction gun assembly.
 - 2.2.2 When the compressed air supply is turned on, the gauge on the pressure regulator will show the incoming air pressure, and control line air will be fed to the foot pedal. See schematic figure 1.

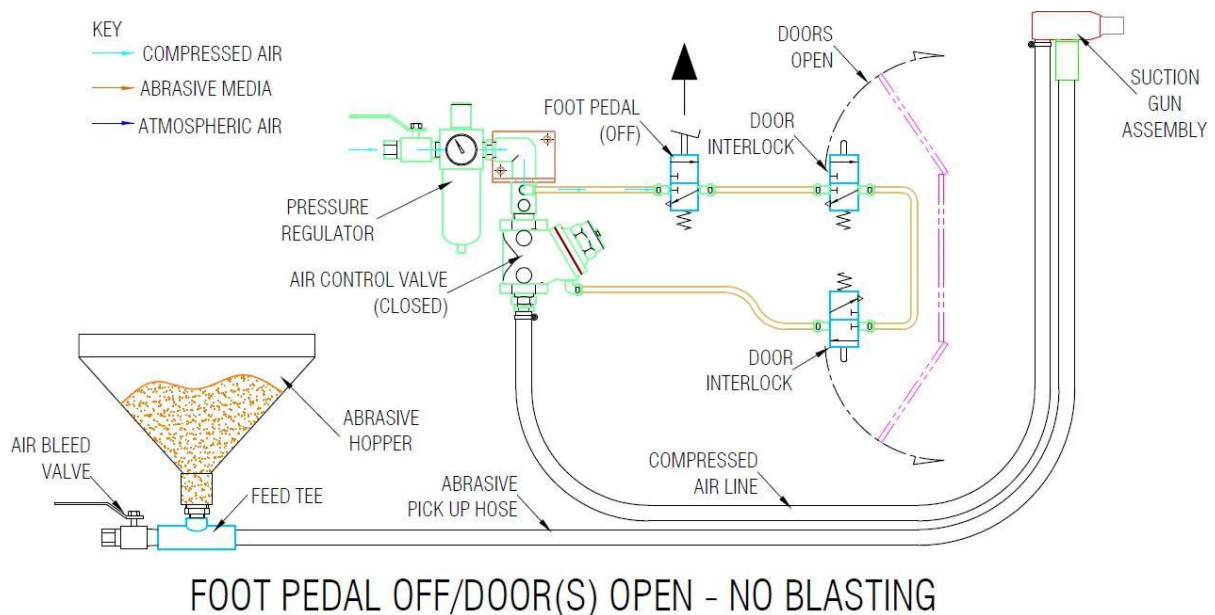
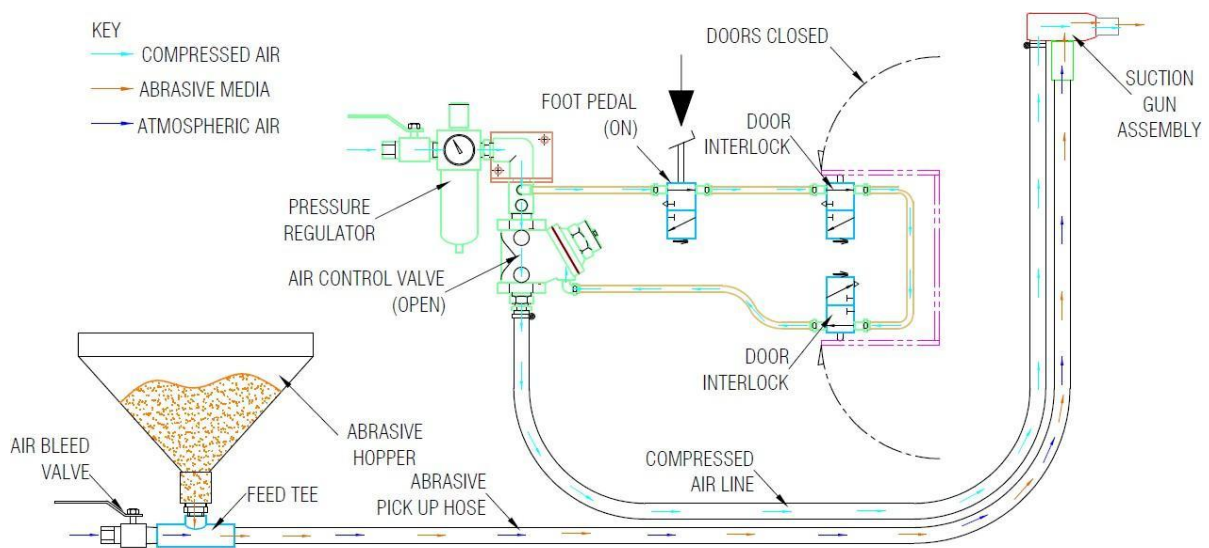


Figure 1

- 2.2.3 In this state, even if the foot pedal is operated, the blasting system will not operate as the cabinet door(s) are open, with the door interlock valves in the closed position.
- 2.2.4 For the blasting system to operate, the cabinet door(s) must be closed, allowing the door striker to contact the door interlock valve plunger, which opens the air circuit. See schematic figure 2.



FOOT PEDAL ON/DOOR(S) CLOSED - BLASTING

Figure 2

- 2.2.5 With the cabinet door(s) closed and the foot pedal on, this allows the signal air to the air control valve. This signal opens the air valve, allowing compressed air to the suction blast gun assembly.
- 2.2.6 As the compressed air passes through the suction gun via the air tip, a vacuum is created within the suction gun body. This vacuum draws atmospheric air into the abrasive pick-up hose via the air bleed valve, which is attached to the feed tee directly below the abrasive hopper.
- 2.2.7 As the air passes through the feed tee, abrasive media from the hopper is gravity fed into the abrasive pick up hose, and drawn up into the suction gun assembly.
- 2.2.8 Once inside the suction gun, the abrasive is mixed with the compressed air from the air tip, and then expelled through the blast nozzle onto the workpiece being blasted.
- 2.2.9 Once the foot pedal has been released, the signal air to the air control valve will be shut off, closing the air control valve and stopping the blasting action.

2.3 The ventilation system

- 2.3.1 The cabinet ventilation system is provided to improve visibility within the blast cabinet for the operator, and also reduce the amount of dust within the abrasive mix.
- 2.3.2 Depending on the application and cabinet model selected, the ventilation dust collector may be either a drum type unit, or a reverse pulse dust collector.

2.3.3 As the blasting system operates, dust and debris from the blasting action become airborne within the blast cabinet. Airflow from the dust collector is drawn in through entry vents in the top of the cabinet, and out of the cabinet via the flexible hose connected to the rear of the cabinet.

2.3.4 This airflow draws the lighter dust and debris out of the cabinet and into the dust collector, where it is filtered by a pleated filter cartridge before clean filtered air is discharged from the dust collector outlet. See Figure 3.

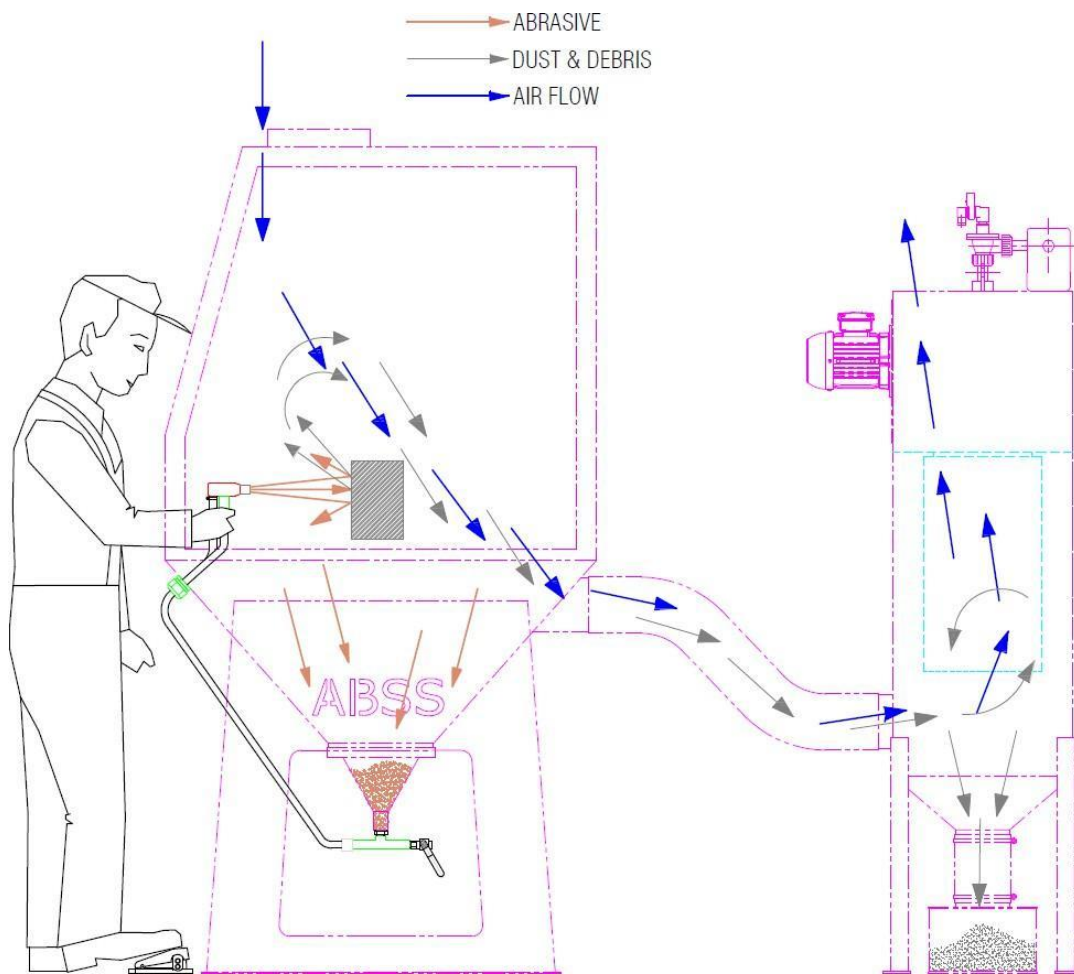


Figure 3 Showing RP Dust Collector

3.0 Installation



WARNING – All installation work and associated connections must be carried by suitably trained and equipped tradespersons.

- 3.1 The blast cabinets do not require any special foundations, but should be installed on a flat, level surface to provide a stable installation. The system will be shipped in a semi-knocked down condition, with most smaller components transported within the cabinet itself.
- 3.2 Once all packing materials have been removed, carefully remove all loose components from within the cabinet, such as the light assembly, light glass, drum dust collector etc.
- 3.3 The blast cabinet should only be moved and positioned using a suitably sized forklift utilising the two (2) forklift tyne access pockets located on the base of the cabinet legs. See figure 4.

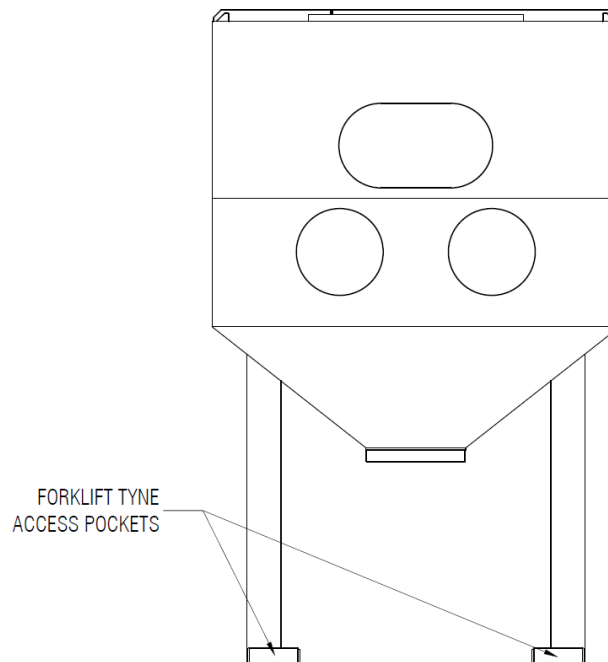


Figure 4

- 3.4 Cabinet Models PRO800RP, PRO1200SSC-RP, and PRO1200RP are all supplied with the dust collector attached to the side of the cabinet. All other models are supplied with the dust collector separate from the main cabinet assembly. All models require that the outlet spigot on the rear of the blast cabinet be connected to the inlet spigot on the dust collector, using the wire-reinforced hose provided.

- 3.5 Position the dust collector within approximately 1.5m of the rear of the blast cabinet. Then simply slide the hose over the cabinet spigot, and clamp firmly in place using the worm drive clamps provided. Repeat this process with the dust collector inlet spigot. See figures 7 – 10.

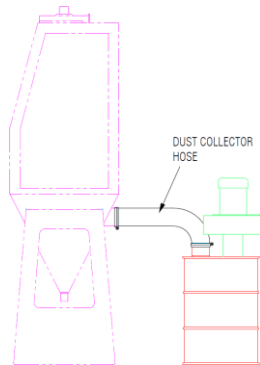


Figure 7 – PRO1000SC

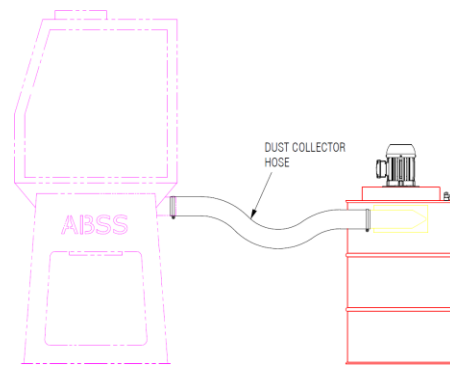


Figure 8 – PRO1500SC & PRO1800SC

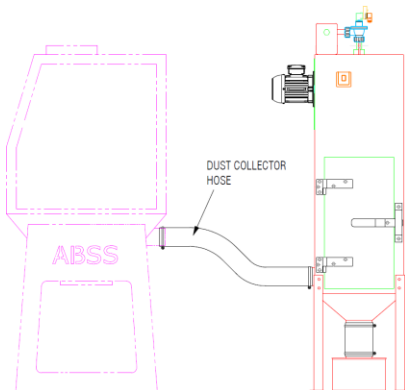


Figure 9 – PRO1500SSC-RP & PRO1800SSC-RP

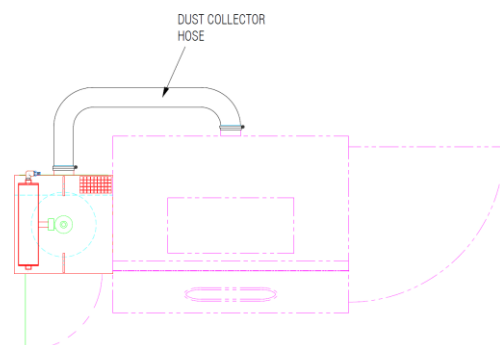


Figure 10 – PRO1200SSC-RP (Plan View)

- 3.6 The cabinet will be shipped with the foot pedal controls already connected to the air control valve and door interlock(s). Simply position the foot pedal in a convenient position in front of the blast cabinet. See figure 11. If desired, the pedal may be fixed to the floor to prevent it from moving.



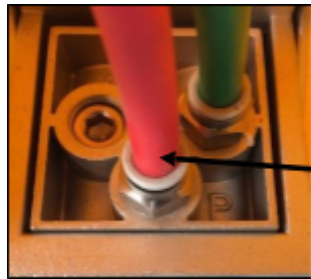
Figure 11



Figure 12

In the event that the pneumatic tubing has been disconnected, re-connect as follows –

- 3.7.1 Red tubing – Connect one end to the port marked “P” on the foot pedal, (see figure 13) and the other end to the signal line port on the air control valve (see figure 14).



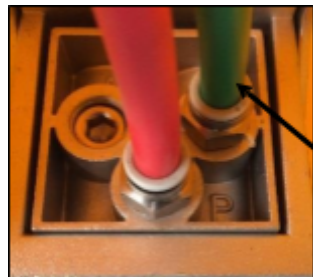
**RED TUBING – FOOT
PEDAL PORT P TO AIR
CONTROL VALVE**



Figure 14

Figure 13

- 3.7.2 Green tubing – Connect one end to the port marked “B” on the foot pedal, (see figure 15) with the opposite end to the door interlock valve (see figure 16). The second green tubing returns from the interlock valve (see figure 17) with the opposite end connected to the air manifold port between the air regulator and air control valve (see figure 18).



**GREEN TUBING –
FOOT PEDAL PORT B
TO DOOR
INTERLOCK VALVE**

Figure 15



Figure 16



**GREEN TUBING –
RETURN FROM
INTERLOCK VALVE
TO AIR MANIFOLD**

Figure 17

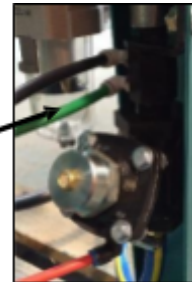


Figure 18

- 3.7.3 Black tubing – (For units with drum dust collector A201122-3) – Connect one end to the second air manifold port (see figure 19) and the other end to the mini ball valve located on the top of the dust collector lid (see figure 20)

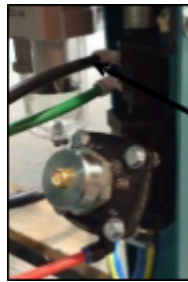


Figure 19

**BLACK TUBING –
FROM AIR MANIFOLD
TO DUST COLLECTOR
BALL VALVE**



Figure 20

3.8 For models with reverse pulse (RP) dust collection, position the 10 litre dust bin directly below the dust collector hopper, and connect the spigot on the lid of the bin to the dust collector using the wire reinforced hose and worm drive clamps provided. See figure 12.

3.9 Service connections (Refer Section 9.0 for sizing requirements)

3.9.1 Electrical power – The blast cabinet and dust collector will each come with it's own 240V single-phase power cable fitted with a standard 3 pin male plug. The cabinet power supply operates the cabinet lighting, while the dust collector power supply operates the dust collector fan. Connect each cable to a suitably sized electrical power outlet.

3.9.2 Compressed air supply – All cabinet models (except PRO1000SC) require two (2) compressed air connections. One for the blast air supply and another for the dust collector cartridge cleaning system. The blasting system air connection point is located at the ball valve mounted on the air control valve assembly. Refer figure 21.



Figure 21

**BLAST AIR
CONNECTION
POINT**

**CLEANING AIR
CONNECTION POINT**



Figure 22

3.9.3 For the 200L drum dust collector, the compressed air supply connection point is the mini ball valve located on the top of the drum lid. This air supply operates a pneumatic vibrator which vibrates the dust off the filter cartridge. Refer figure 22.

- 3.9.4 For the reverse pulse (RP) dust collector, the compressed air supply connection point is located on the pressure regulator located on the rear side of the duct collector. This air supply provides reverse air pulsing of the filter cartridge to keep the filter clean. Refer figure 23.

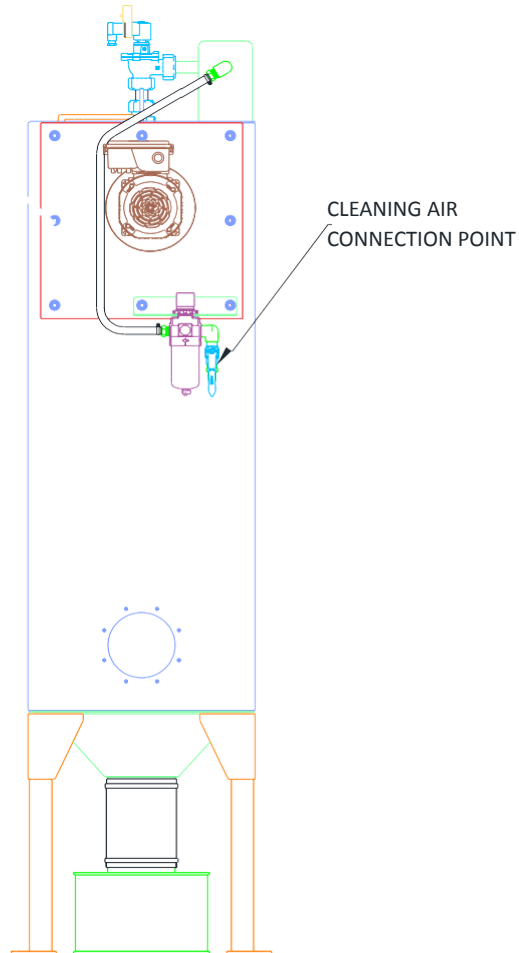


Figure 23

3.10 Initial Set Up



WARNING – Heavy lifting required. Take all necessary precautions and use appropriate lifting equipment to avoid injury.

- 3.10.1 Using the cabinet switch mounted on the front of the cabinet (except PRO1000SC), turn on the cabinet light assembly, and using the dust collector switch, turn on the dust collector fan.

- 3.10.2 Open the blast cabinet main door, and pour 15-20kg's of abrasive media into the blast cabinet through the perforated cabinet floor.
- 3.10.3 Turn on the compressed air supply to both the blasting system and the dust collection system, but leave the blasting system ball valve closed.
- 3.10.4 For systems supplied with the RP dust collection system, it is necessary to set the auto pulse valve timer, mounted directly to the pulse valve fitted to the top of the RP dust collector. See figure 24.

**PULSE VALVE
TIMER**



- 3.10.5 The auto pulse time has two (2) controls, one to set the pulse duration (ie: the amount of time the pulse valve is open for) and another to set the pulse frequency (ie: how often the pulse valve is activated).
- 3.10.6 The duration control is identified as the "on" control, and the frequency is identified as the "off" control. See figure 25.

**DURATION
CONTROL
(SECONDS)**



**FREQUENCY
CONTROL
(MINUTES)**

Figure 25.

- 3.10.7 For initial operation, set the "on" duration time at 0.5 seconds, and the frequency "off" time at 3 minutes. Depending on the operating conditions, it will be necessary to adjust the pulse timer to suit the conditions after a period of operation. Refer to Section 5.0 Preventative Maintenance for further information.
- 3.10.8 The system is now ready for initial operation.

4.0 System Operation and Adjustments

- 4.1 Check that all cabinet and dust collector doors are in the closed position.
- 4.2 Slowly open the blasting system isolation ball valve, which will send air supply to the foot pedal control.



WARNING – The blasting system is now ready and will activate if the blast pedal is operated.

- 4.3 Check the pressure gauge reading on the front of the pressure regulator. The pressure will need to be adjusted to suit each particular application; however, the initial setting should be approximately between 60psi to 80psi. Refer figure 26.

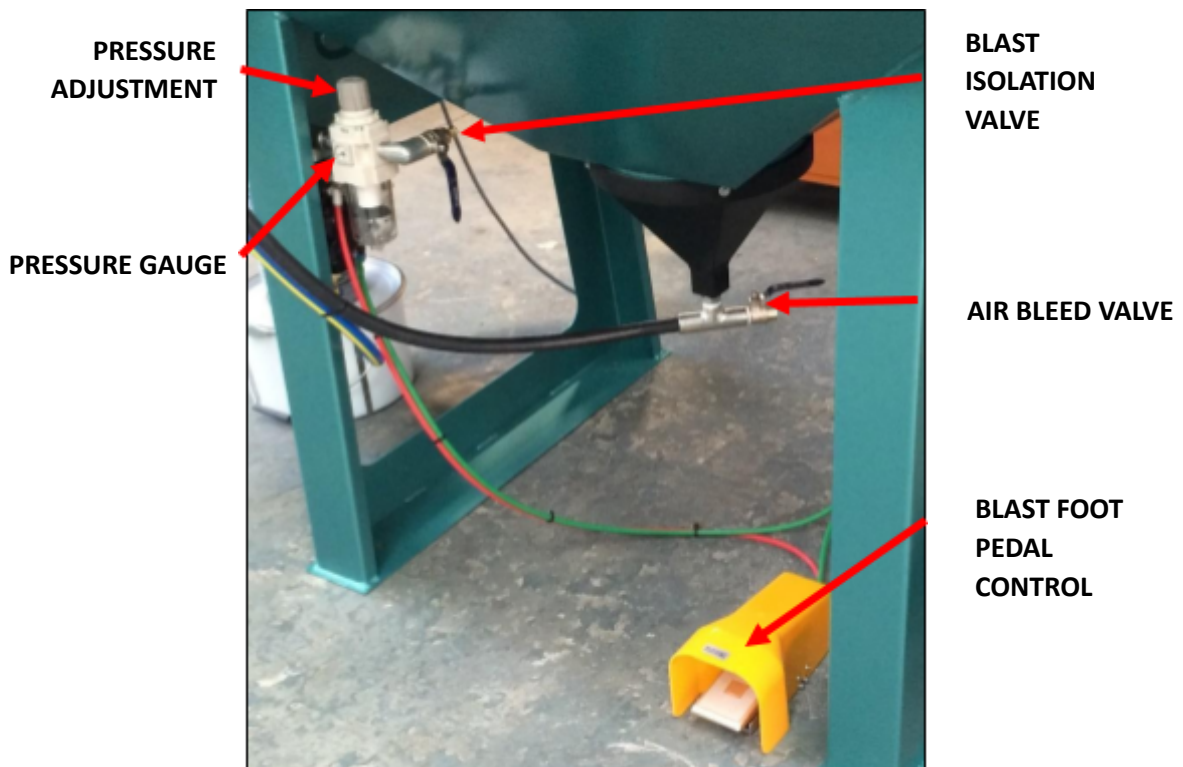


Figure 26.

- 4.4 To adjust the blasting pressure, lift the pressure adjustment knob to unlock it, then turn the knob clockwise to increase the pressure, and counterclockwise to decrease the air pressure. Push the knob down to lock it in position.
- 4.5 Adjust the feed tee air bleed valve so it is approximately half open to the atmosphere.
- 4.6 The operator now stands in front of the cabinet and places their hands/arms into the left and right glove openings, respectively. Take a firm hold of the suction gun assembly and depress the blast foot pedal with a foot. Blasting will now commence.

- 4.7 Check closely the abrasive and air mix as it discharges from the blast nozzle. The abrasive should appear as a fine mist in the air stream. Optimum abrasive flow will vary with each application, depending on abrasive type, size and condition, and blast pressure.
- 4.8 To increase the abrasive flow to the blast gun, slightly further close the air bleed valve. To decrease the abrasive flow to the blast gun, slightly further open the air bleed valve. Excessive abrasive flow will cause abrasive slugging and jerking of the blast gun.
- 4.9 To stop blasting, simply release the blast foot pedal.

5.0 Preventative Maintenance



Note: This maintenance schedule should be used as a general guide only. It does not consider any requirements which may occur on specific applications and working conditions.

5.1 Daily

- 5.1.1 Drain any accumulated water from moisture trap bowl on the bottom of the blast pressure regulator. Depress the button on the drain valve attached to the bottom of the clear bowl, until all water has been discharged.

**WATER TRAP
DRAIN VALVE**



- 5.1.2 Check the operation of the door interlock(s) ensuring that the blasting system will not operate with the cabinet door(s) in the open position.

**DOOR INTERLOCK
VALVE**



WARNING – The filter cartridge will become heavy when fully dust laden. Use appropriate caution when removing the dirty filter cartridge from the dust collector



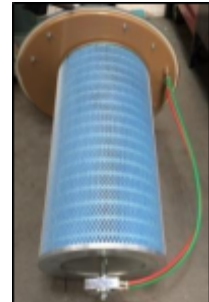
WARNING – Breathing airborne dust from any abrasive media may cause lung disease or other serious injury. Always wear suitably designed respiratory protection when handling any abrasive media and/or waste dust, and when in the immediate area during any abrasive blasting operations.

- 5.1.3 Drum dust collector – With the fan turned off, turn on the compressed air supply to the cartridge vibrator, and allow it to run for 2-3 minutes.

**VIBRATOR
CONTROL VALVE**

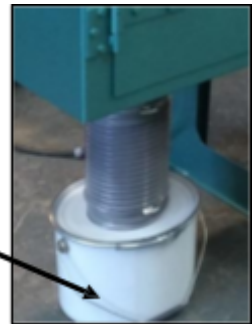


- 5.1.4 Turn off the air supply, unlatch the drum lid and lift off the fan and cartridge assembly. Empty the dust drum and re-assemble the dust collector, ensuring a firm seal between the drum and lid.



- 5.1.5 For models with Reverse Pulse (RP) dust collector - With the fan turned off, unlatch the lid from the refuse dust bin and empty the waste dust. Replace the dust bin, ensuring a firm seal is achieved between the drum and lid.

REFUSE DUST BIN



5.2 Weekly

- 5.2.1 Disconnect the blast hose from the abrasive feed tee, unscrew the abrasive hopper retaining screws and remove the abrasive hopper. Carefully inspect the condition of the abrasive.

**ABRASIVE
HOPPER**



- 5.2.2 If abrasive contains large debris, check cabinet screen for wear or damage, and repair/replace as necessary.
- 5.2.3 If the abrasive contains large amounts of fine dust, check the operation and condition of the dust collector.
- 5.2.4 Refit the abrasive hopper to the cabinet, and refill the system with new, clean abrasive, as per 3.10.2.

5.3 Monthly

- 5.3.1 Unscrew the blast nozzle from the suction gun body and insert an 8mm (5/16") drill bit into the nozzle bore to check the bore size. Replace the nozzle once the nozzle has worn 1.5mm larger than the original 8mm dia.



- 5.3.2 Using a 12mm tube spanner, unscrew the air tip from the suction gun body.



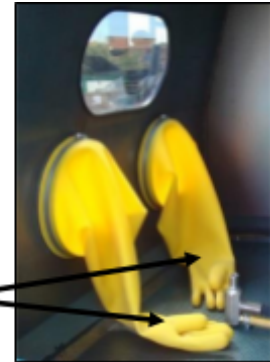
- 5.3.3 Check the outside diameter of the air tip for wear. Replace the air tip if the diameter has worn more than 1.0mm from the original diameter.



- 5.3.4 Check the condition of the abrasive hose by squeezing the hose between thumb and fingers along its entire length. Internal wear will show up as a soft spot.
- 5.3.5 If the wear is close to the end of the hose, the end may be cut off and the hose refitted. If along the length of the hose, replace the entire hose
- 5.3.6 Inspect the cabinet window for frosting and/or cracks. Replace the window if the operators' view becomes obstructed.



5.3.5 Inspect the operator work gloves for any signs of wear and/or damage. To replace the gloves, unscrew the worm drive retaining clamps, and pull the gloves off the glove spigot. Stretch the new gloves over the spigots, checking that they are correctly orientated with the palms of the gloves facing inwards towards each other.



**CHECK GLOVE
ORIENTATION
WHEN
REPLACING**

5.4 3 Monthly

5.4.1 Check the condition of the cabinet light glass. This glass will become frosted over a period of time, which will reduce visibility inside the cabinet area. Replace the glass as required.



5.4.2 For models with Reverse Pulse (RP) dust collector - Open the dust collector door and inspect the filter cartridge for damage and/or wear. Ensure the cartridge is firmly located on the hanger, providing a proper seal around the top of the cartridge. Replace the cartridge if there are any visible signs of wear/damage, and if there is noticeable dust emissions from the fan outlet.



WARNING – The filter cartridge will become heavy when fully dust laden. Use appropriate caution when releasing the filter cartridge from the hanger rod.



WARNING – Breathing airborne dust from any abrasive media may cause lung disease or other serious injury. Always wear suitably designed respiratory protection when handling any abrasive media and/or waste dust, and when in the immediate area during any abrasive blasting operations.

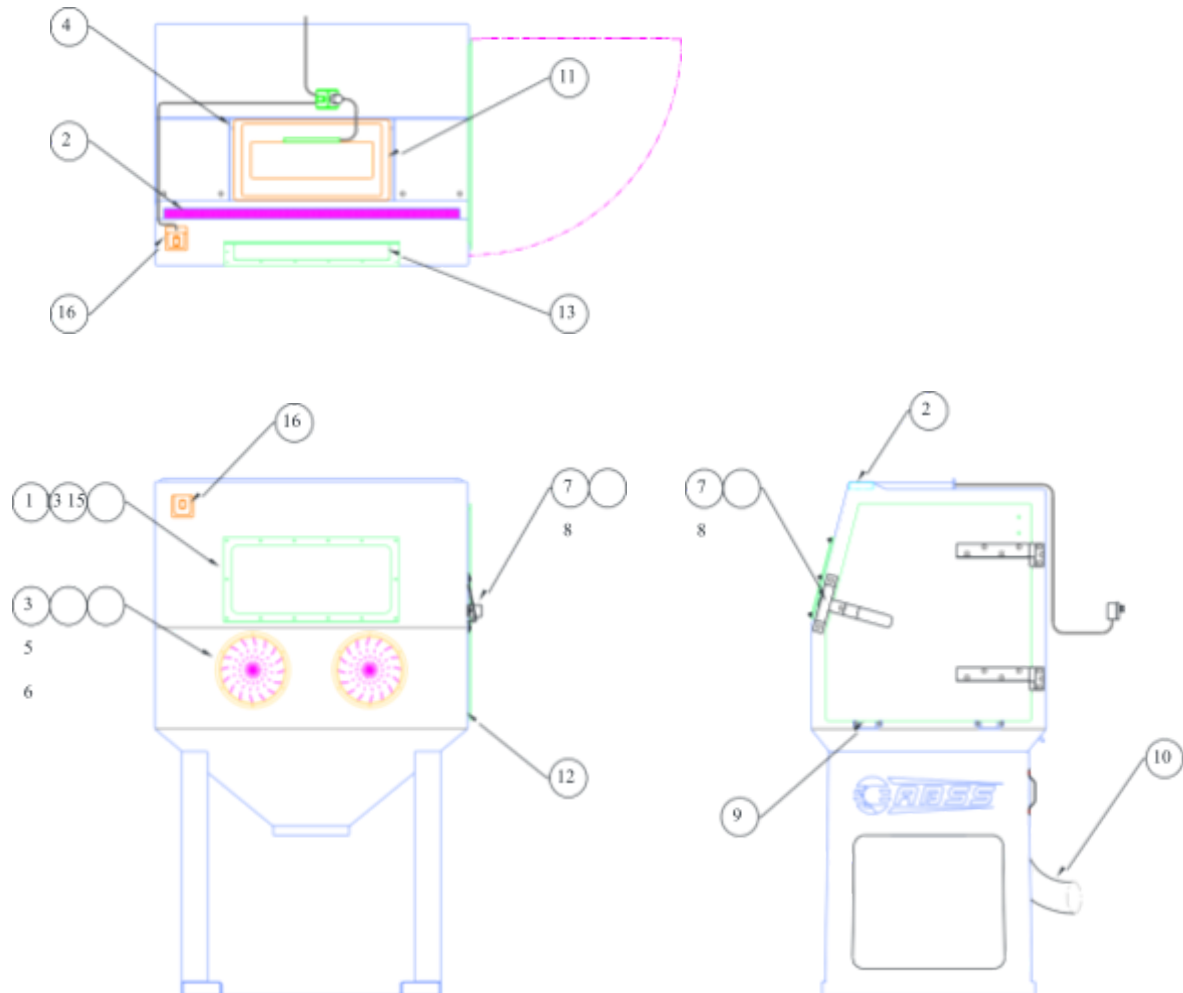
5.4.3 To replace the filter cartridge, carefully unscrew the hanger retaining nut on the bottom of the filter until the top of the hanger rod can be lifted off the top hanger bar. Lift the cartridge and hanger rod through the dust collector door as an assembly. Reverse the procedure to fit the cartridge, making sure the filter top seal is correctly located flat and centrally on the top cell plate.

Section 6.0 Troubleshooting

Fault	Possible Cause	Remedy
Blast system will not operate	No compressed air supply	Check blast isolation valve is open and air compressor is operating
	Cabinet door open	Close door
	Faulty door interlock	Check interlock valve operation and replace if required
	Faulty foot pedal	Check pedal operation and replace if required
	Faulty air control valve	Check air control valve for leaks and repair as required
	Door interlock control lines leaking	Check all lines for air leaks and repair as required
Intermittent abrasive flow to blast gun	Air bleed valve closed	Re-set air bleed valve
	Blast pressure too low	Check regulator pressure gauge and adjust as required
	Blockage in abrasive feed tee	Drain all abrasive from system and check feed tee for blockage
	Damp abrasive	Drain all abrasive from system and check compressed air supply for excessive moisture
	Worn suction gun	Dismantle suction gun and check air tip and blast nozzle for excessive wear. Replace as required
	Leaking blast hose	Inspect full length of blast hose for holes and replace as required
Excessive dust in cabinet	Blocked filter cartridge	Check reverse pulse/vibrator operation, and clean down as required
	Excessive dust in abrasive	Drain abrasive from system and refill with new abrasive
Poor visibility in cabinet	Frosted operator window	Replace window
	Frosted light glass	Replace light glass
	Cabinet light not working	Check light operation

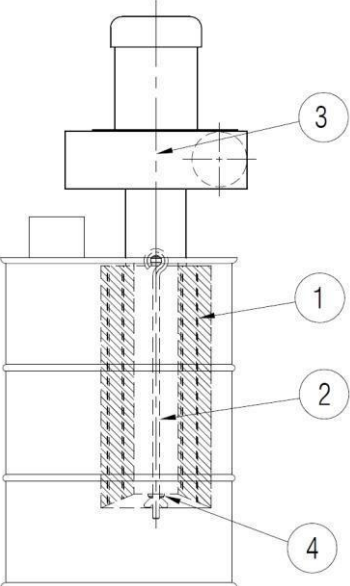
7.0 Replacement Parts

7.1 Cabinet Parts

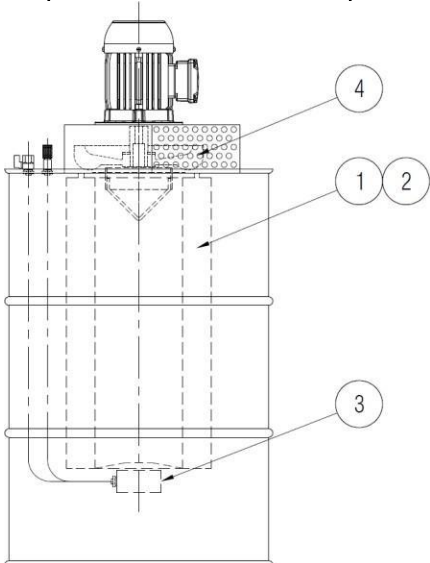


ITEM	DESCRIPTION	UNIT	800	1000	1200	1500	1800
1	WINDOW SUPPORT FRAME	EA	C910325-9	C910325-9	C910325-9	C910325-9	C910325-9 (2)
2	AIR ENTRY FILTER	EA	F203010	F203010-1	F203010-2	F203010-3	F203010-4
3	GLOVE ENTRY RING	EA	G201418 (2)	G201418 (2)	G201418 (2)	G201418 (2)	G201418 (4)
4	LIGHT GLASS	EA	G900520-16	G900520-16	G900520-16	G900520-16	G900520-16 (2)
5	OPERATOR GLOVES	PR	GLOVES27SB	GLOVES27SB	GLOVES27SB	GLOVES27SB	GLOVES27SB (2)
6	GLOVE CLAMPS	EA	GCLAMP-250 (2)	GCLAMP-250 (2)	GCLAMP-250 (2)	GCLAMP-250 (2)	GCLAMP-250 (4)
7	DOOR HANDLE	EA	H890113	H890113	H890113	H890113 (2)	H890113 (2)
8	DOOR LATCH	EA	L890114	L890114	L890114	L890114 (2)	L890114 (2)
9	TRACK INFILL PLATE	EA	P203000 (2)	P203000 (2)	P203000 (2)	P203000 (2)	P203000 (2)
10	FLEXIBLE DUCT	M	PFD100	PFD100	PFD100 (2M)	PFD150	PFD150
11	CABINET LED LIGHT	EA	PNB220CT	PNB220CT	PNB220CT	PNB220CT	PNB220CT (2)
12	DOOR SEAL	M	S202623	S202623 (2.5m)	S202623 (5m)	S202623 (10m)	S202623 (10m)
13	WINDOW SEAL	EA	S210233	S210233	S210233	S210233	S210233 (2)
14	FLOOR SCREEN	EA	S900418-11	S900418-16	S900418-12	S900418-28	S900418-32
15	WINDOW RETAINER	EA	W201652	W201652	W201652	W201652	W201652 (2)
16	LIGHT SWITCH	EA	WS226	WS226	WS226	WS226	WS226

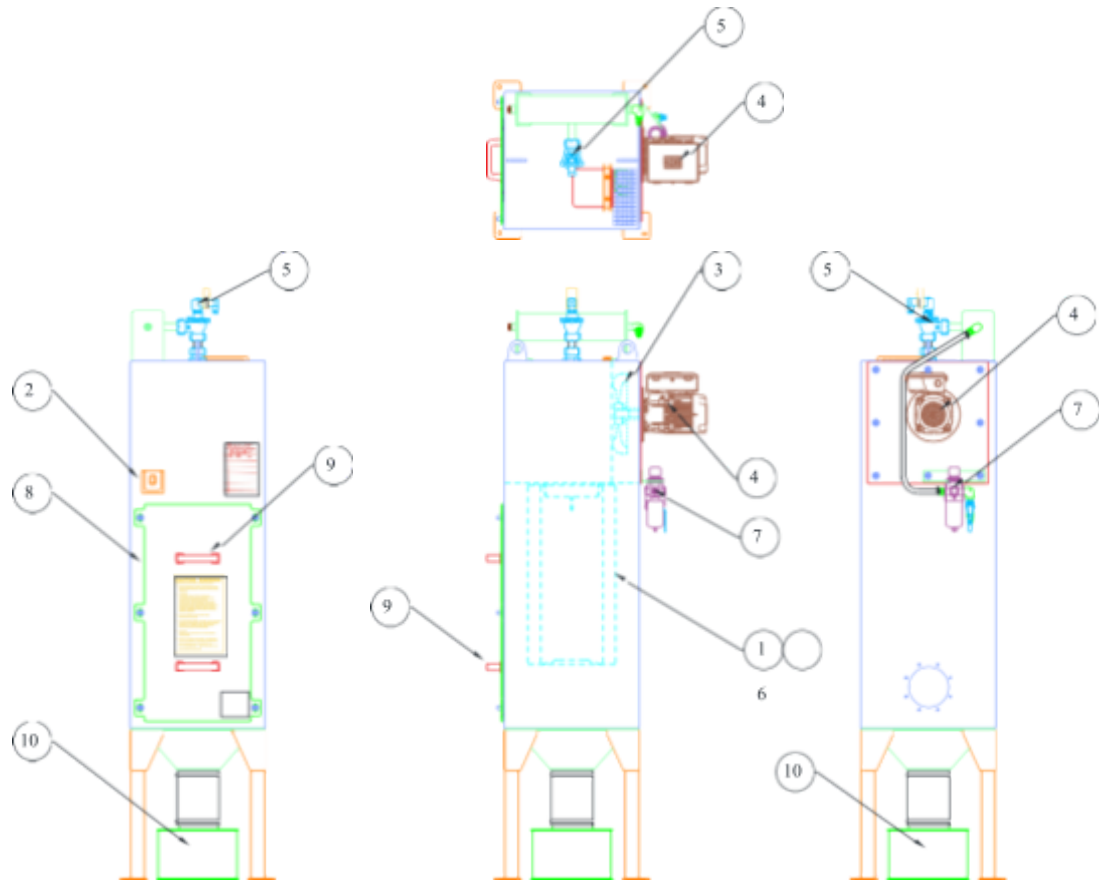
7.3 Dust Collector Parts – Drum type – 60L

			
Item	Description	Unit	Part Number
1	Filter Cartridge	Ea.	
2	Hanger Rod	Ea.	
3	Fan Assembly	Ea.	
4	Rubber Washer	Ea.	

7.4 Dust Collector Parts – Drum Type – 200L

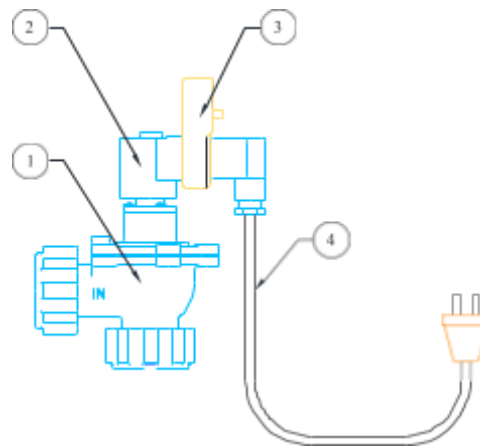
			
Item	Description	Unit	Part Number
1	Filter Cartridge	Ea.	
2	Hanger Rod	Ea.	
3	Vibrator	Ea.	
4	Fan Impellor	Ea.	

7.5 Dust Collector Parts - Reverse Pulse Type



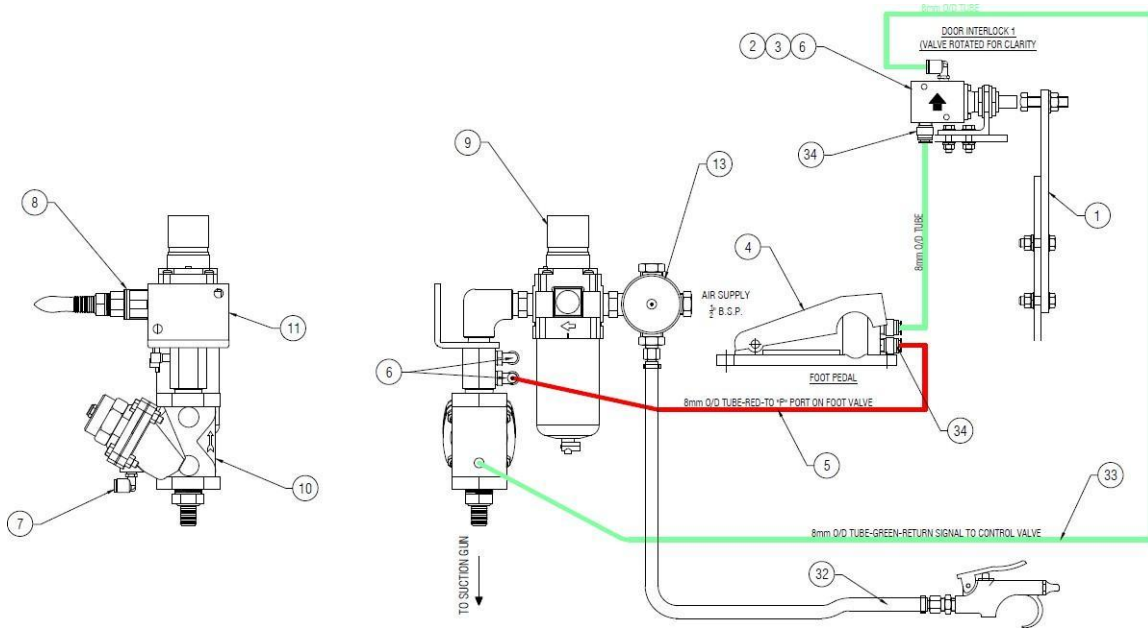
ITEM	DESCRIPTION	QTY	
1	FILTER CARTRIDGE	1	
2	FAN SWITCH	1	
3	FAN IMPELLER	1	
4	FAN MOTOR - 0.75KW - 240 VOLT	1	
5	ASSY - PULSE VALVE AND TIMER	1	
6	HANGER ROD - FILTER CARTRIDGE	1	
7	FILTER/REGULATOR - 1/2" BSP	1	
8	DOOR SEAL	2.2M	
9	DOOR HANDLE	2	
10	ASSY - DUST DRUM - 10L	1	

7.6 Pulse Valve Assembly



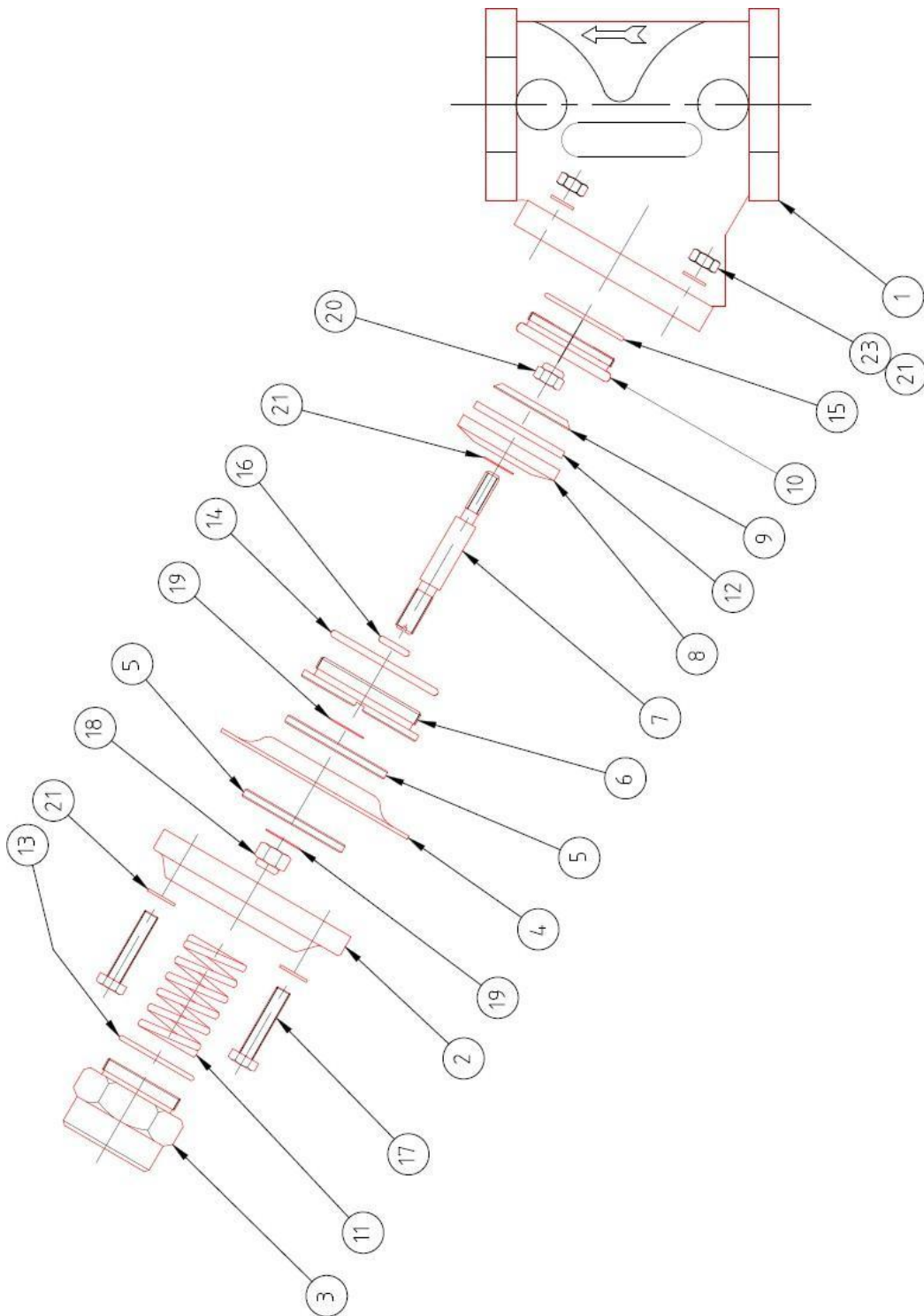
ITEM	DESCRIPTION	QTY	
1	PULSE VALVE - 20NB	1	
2	SOLENOID COIL - 240VAC	1	
3	PULSE TIMER	1	
4	POWER CABLE AND 3 PIN PLUG - 10 AMP	1	

7.7 Control System



ITEM	DESCRIPTION	QTY	PART NO.			
			PRO1000SC	PRO1200SC	QTY	PRO1500SC
1	Door Bracket	1	B980164		2	B980164
2	Interlock Bracket	1	B201654		2	B201654
3	Interlock Valve – 3/2	1	VM230-02-05A		2	VM230-02-05A
4	Foot Pedal-3/2-With Shroud	1	4F210-08G-23		1	4F210-08G-23
5	Tubing-Nylon-8mm-Red	1m	T0806-R		1m	T0806-R
6	Connector-Elbow-1/4"	3	KQ2L08-02NS		4	KQ2L08-02NS
7	Connector-Elbow-1/8"	1	KQ2L08-01NS		1	KQ2L08-01NS
8	Ball Valve-1/2"	1	V201461		1	V201461
9	Filter Regulator-1/2"	1	AW40-04EH-R-B-XA		1	AW40-04EH-R-B-XA
10	Air Control Valve – 3/4"	1	A201082		1	A201082
11	Manifold & Bracket	1	A201705		1	A201705
14	Manifold	1	M201412		1	M201412
32	Blow Down Gun Assembly	1	A201131		1	A201131
33	Tubing-Nylon-8mm-Green	3m	T0806-G		5m	T0806-G
34	Connector-1/4"	3	KQ2H08-02NS		4	KQ2H08-02NS

7.8 Air Control Valve

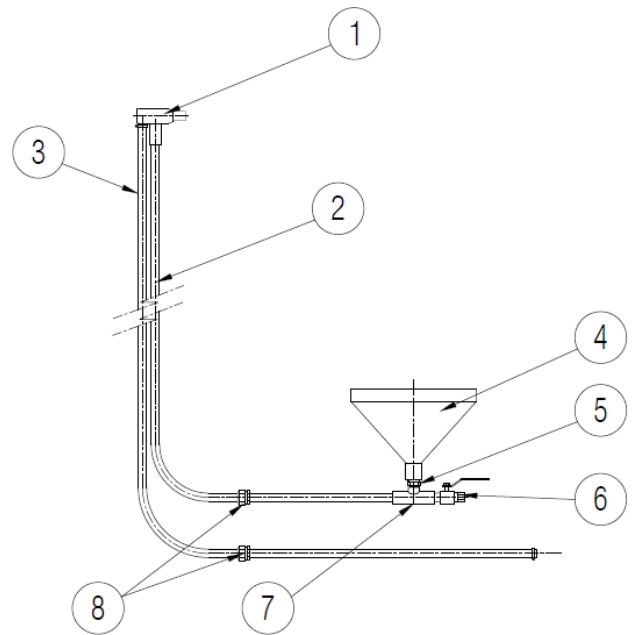


AUTO AIR VALVE – 3/4"		MODEL	PRO45
		ASSY NO.	
ITEM	DESCRIPTION	QTY	
1	BODY - AIR CONTROL VALVE – ¾"	1	
2	COVER - AIR CONTROL VALVE	1	
3	CAP - AIR CONTROL VALVE	1	
4	DIAPHRAGM - AIR CONTROL VALVE	1	
5	WASHER - FLAT	2	
6	BUSH - INNER	1	
7	SHAFT	1	
8	SEAT HOLDER	1	
9	RETAINER	1	
10	GUIDE - BUSH	1	
11	SPRING - AIR CONTROL VALVE	1	
12	GASKET	1	
13	O RING	1	
14	O RING	1	
15	O RING	1	
16	O RING	1	
17	BOLT-HEX HEAD-1/4" UNC X 1 1/2"	4	n/a
18	NUT-NYLOC-5/16" UNF	1	n/a
19	WASHER-FLAT-5/16" DIA X 0.5MM BRASS	1	n/a
20	NUT-NYLOC-1/4" UNF-ZINC	1	n/a
21	WASHER-FLAT-1/4" DIA-ZINC	8	n/a
22	WASHER-FLAT-1/4" DIA X 0.5MM BRASS	1	n/a
23	NUT-NYLOC-1/4" UNC-ZINC	4	n/a

SERVICE KIT-AUTO AIR VALVE-3/4"		MODEL	PRO45
		ASSY NO.	
ITEM	DESCRIPTION	QTY	
4	DIAPHRAGM - AIR CONTROL VALVE	1	
12	GASKET	1	
13	O RING	1	
14	O RING	1	
15	O RING	1	
16	O RING	1	
19	WASHER-FLAT-5/16" DIA X 0.5MM BRASS	1	n/a
20	NUT-NYLOC-1/4" UNF-ZINC	1	n/a
22	WASHER-FLAT-1/4" DIA X 0.5MM BRASS	1	n/a

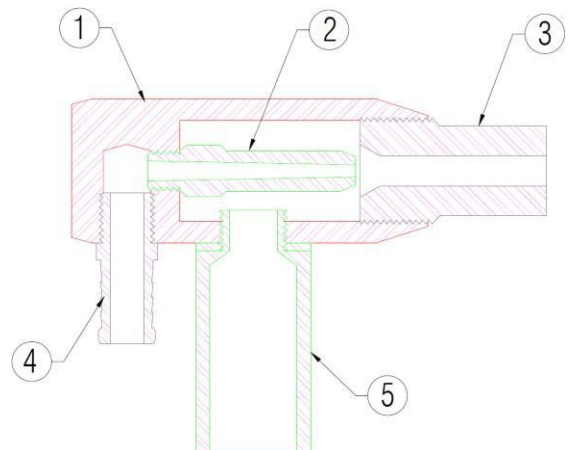
7.9 Suction Blast Parts

Item	Description	Unit	
1	Suction Gun Assembly	Ea.	
2	Abrasive Hose	M	
3	Air Hose	M	
4	Abrasive Hopper	Ea.	
5	Reducing Nipple	Ea.	
6	Air Bleed Valve	Ea.	
7	Feed Tee	Ea.	
8	Hose Gland	Ea.	

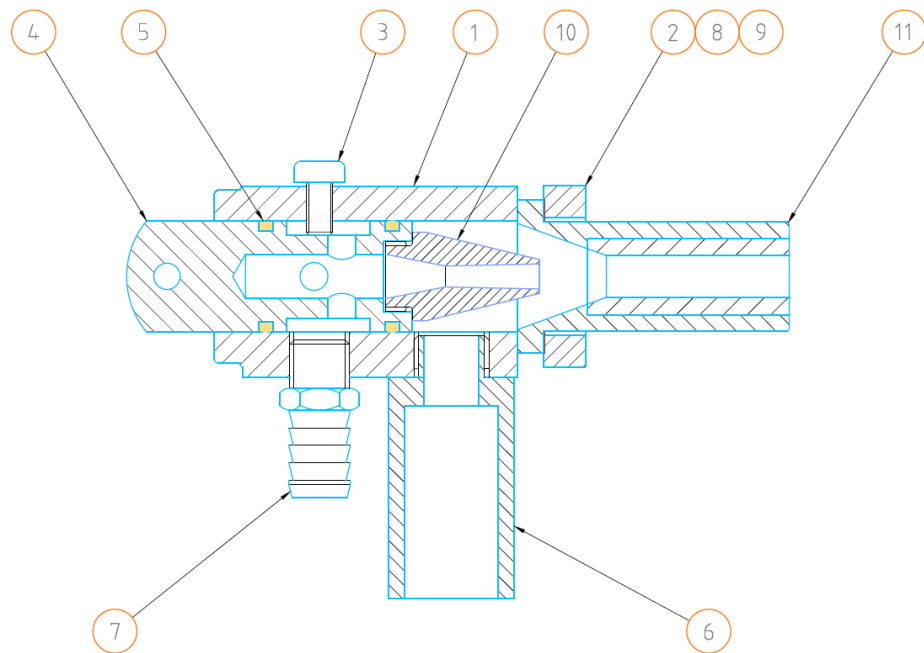


7.10 Suction Gun Assembly - Standard

Item	Description	Unit	
1	Suction Gun Body	Ea.	
2	Air Tip - 1/8"	Ea.	
3	Blast Nozzle - 5/16"	Ea.	
4	Hose Barb	Ea.	
5	Hose Adaptor	Ea.	



7.10 High Performance Suction Gun Assembly - Optional



SUCTION GUN ASSEMBLY		ASSY NO.	
ITEM	DESCRIPTION	QTY	
1	BODY-SUCTION GUN	1	
2	RETAINER-BLAST NOZZLE	1	
3	SCREW-HEX HEAD-6mm x 15mm	2	
4	HOLDER-AIR TIP	1	
5	O RING-25mm x 2.5mm	2	
6	ADAPTOR-HOSE	1	
7	BARB-HOSE-1/4" BSP x 1/2" BARB	1	
8	BOLT-HEX HEAD-6mm x 15mm	2	
9	WASHER-FLAT-6mm	2	
10	AIR TIP-3/16"	1	
11	NOZZLE-3/8"	1	

Section 8.0 Specifications

8.1 Cabinets

	PRO1000SC	PRO800	PRO1200SC	PRO1200	PRO1500SC	PRO1500	PRO1800SC	PRO1800
Power Requirement	240V Single Phase 10amp							
Compressed Air Requirement	8l/sec @ 413 kPA	21l/sec @ 690kPA	8l/sec @ 413 kPA	21l/sec @ 690kPA	8l/sec @ 413 kPA	21l/sec @ 690kPA	8l/sec @ 413 kPA	21l/sec @ 690kPA
	17cfm @ 60psi	45cfm @ 100psi	17cfm @ 60psi	45cfm @ 100psi	17cfm @ 60psi	45cfm @ 100psi	17cfm @ 60psi	45cfm @ 100psi
Minimum Recommended Air Supply Line Size	13mm (1/2")	19mm (3/4")	13mm (1/2")	19mm (3/4")	13mm (1/2")	19mm (3/4")	13mm (1/2")	19mm (3/4")
Cabinet Light	2 x 25watt LED						2 x 25watt LED x 2 off	
Drum Dust Collector-60L	STD	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Drum Dust Collector-200L	N/A	STD	STD	STD	STD	STD	STD	STD
Reverse Pulse Dust Collector	N/A	OPT	OPT	OPT	OPT	OPT	OPT	OPT

8.2 Dust Collectors

	Drum Dust Collector-60L	Drum Dust Collector-200L	Reverse Pulse Dust Collector
Power Requirement	240V Single Phase 10amp		
Minimum Recommended Air Supply Line Size	N/A	6mm (1/4")	13mm (1/2")