



MULTIBLAST

PERFORMANCE BLASTING

CALL 1800706620

www.multiblastpro.com.au

Operating Manual

MultiBlast PRO Pressure Sandblasting Cabinet

December 2022



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 by MultiBlast Australia 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 is suitable for the users intended use and application.
 - 1.2.2 Familiarize 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 MultiBlast Australia 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 MultiBlast Australia office/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.
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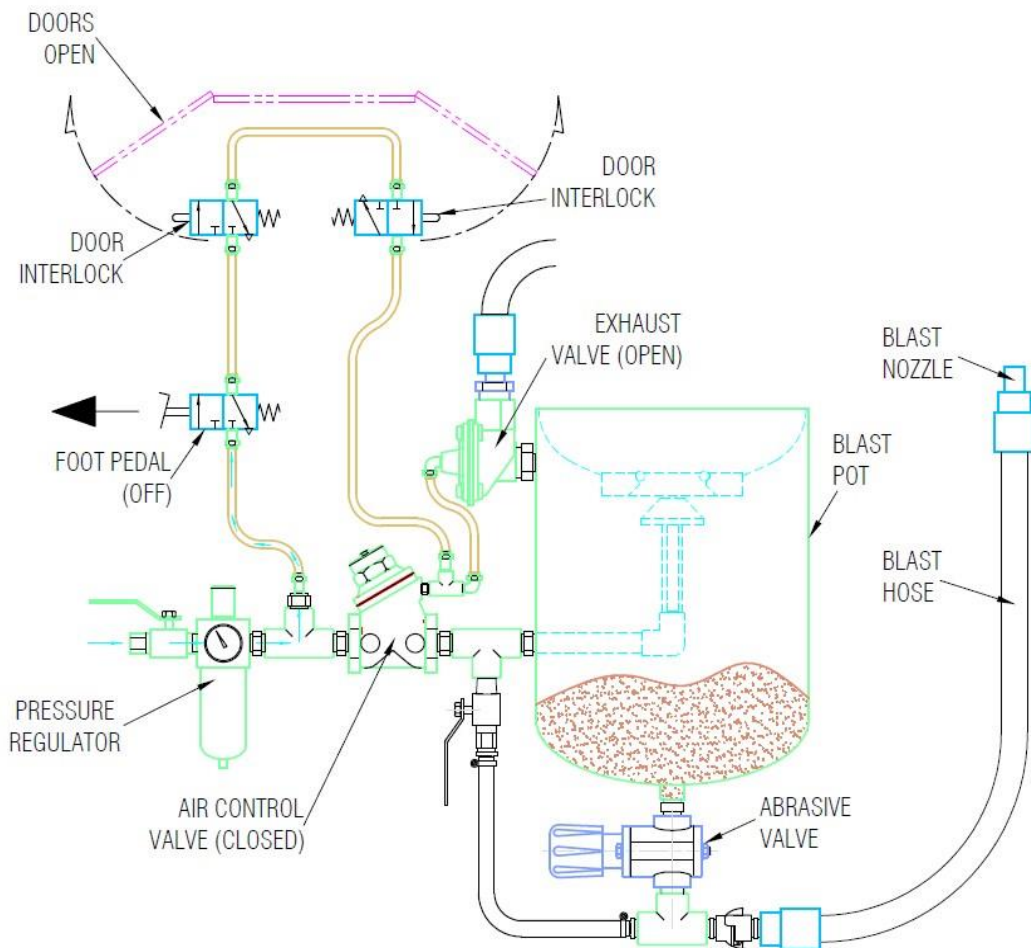
2.0 How The System Works

2.1 The MultiBlast Australia pressure blast cabinets feature a cabinet to enclose and contain the blasting action, a pneumatically operated, safety interlocked blast pot system, and a dust collection system to ventilate the blast cabinet.

2.2 The blasting system

2.2.1 The pressure 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 certified pressure vessel.

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.

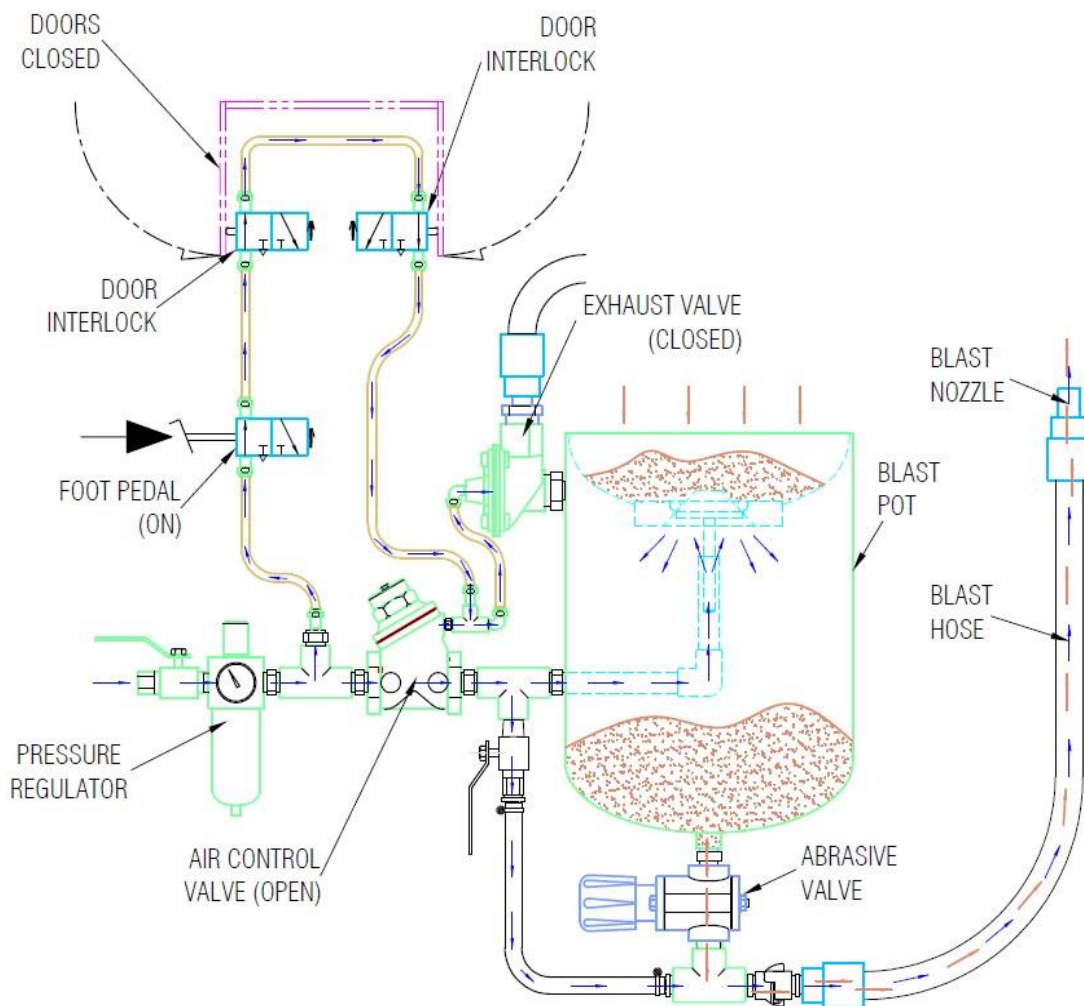


FOOT PEDAL OFF/DOOR(S) OPEN - NO BLASTING

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

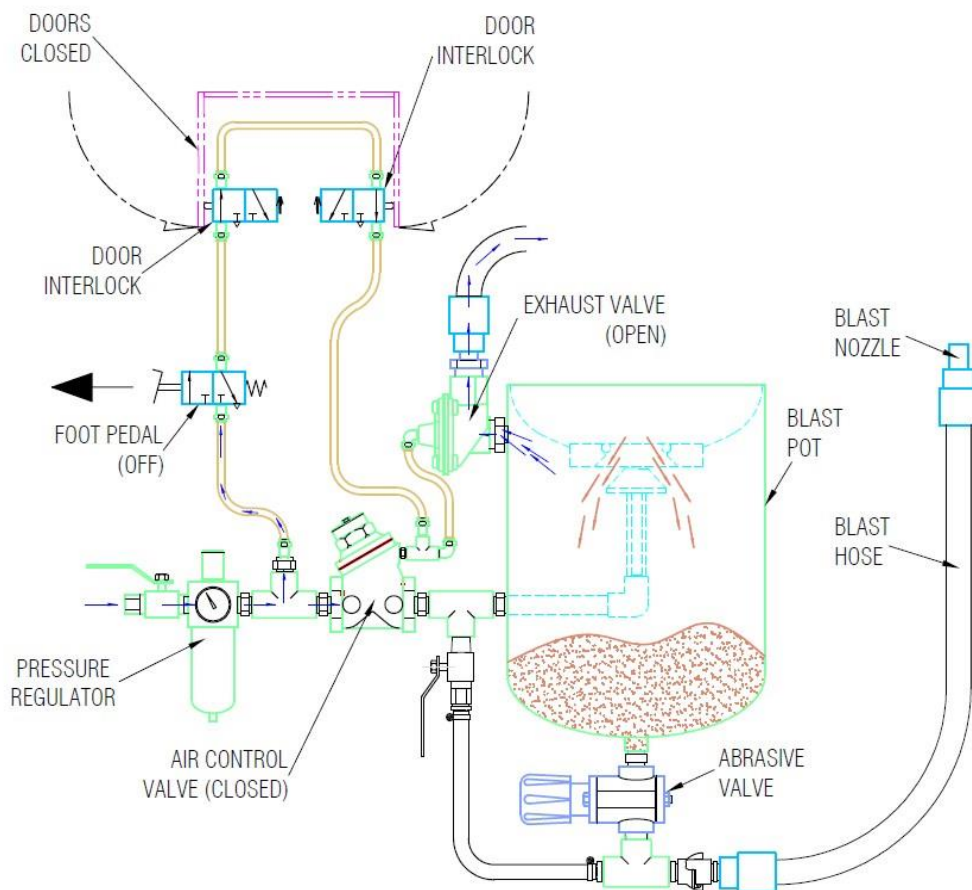
2.2.5 With the cabinet door(s) closed and the foot pedal on, this allows the signal air to the air control valve. This signal opens the air valve, and closes the exhaust valve, allowing compressed air to enter the blast pot, lift the pop-up valve and pressurise the blast pot.

2.2.6 With the blast pot pressurised, compressed air is fed to the abrasive valve through the pusher line. As this air passes through the abrasive valve, the abrasive media within the blast pot is gravity fed into the abrasive valve, where it mixes with the compressed air.

2.2.7 The air and abrasive media are then discharged at high velocity through the blast hose, exiting at the blast nozzle attached to the end of the blast hose.

As the abrasive is spent within the blast cabinet, it falls into the cabinet lower hopper and sits on top of the blast pot directly above the pop-up valve.

2.2.8 Once the operator releases the foot pedal, this shuts off the control line signal to the air control valve and the exhaust valve. This closes the air control valve, and opens the exhaust valve, which de-pressurises the blast pot. Once the air pressure in the blast pot has been exhausted, the pop-up valve will drop, allowing abrasive sitting on top of the blast pot to drain back into the vessel. See schematic figure 3.



FOOT PEDAL OFF/DOOR(S) CLOSED - POT EXHAUSTING

Figure 3

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.

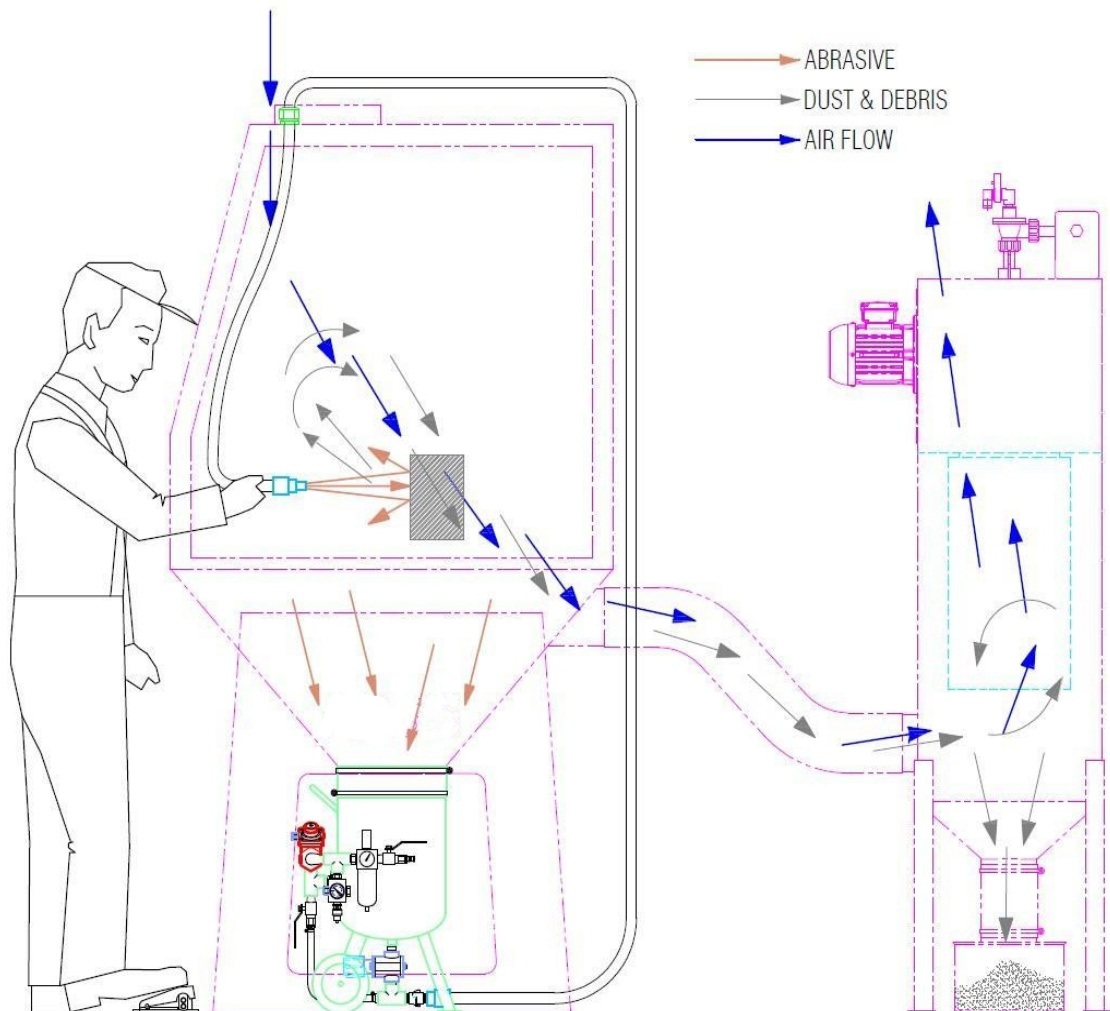


Figure 3 Showing RP Dust Collector

3.0 Installation



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

- 3.1 The MultiBlast Australia 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 pockets located on the base of the cabinet legs. See figure 4.

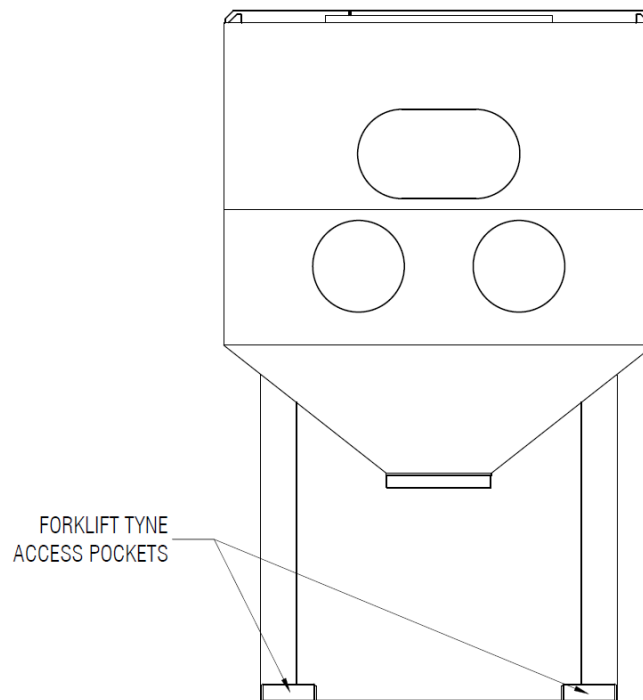


Figure 4

- 3.4 Cabinet Models PRO800RP, PRO1200RP, 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 to 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 – 9.

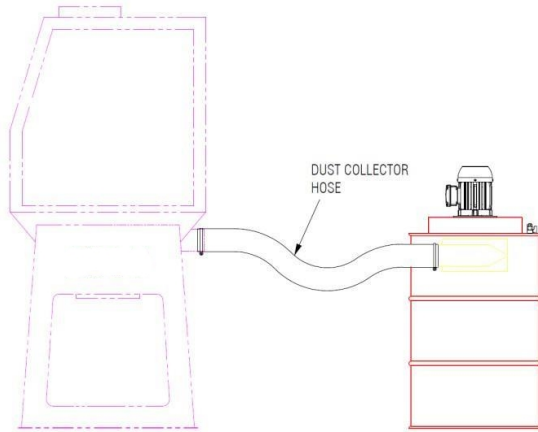


Figure 7

PRO800, PRO1200, PRO1500 & PRO1800

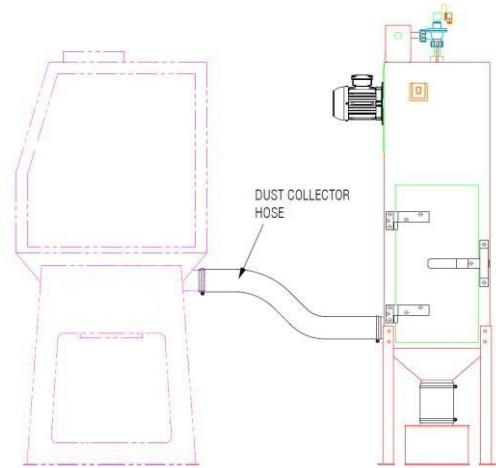


Figure 8

PRO1500RP & PRO1800RP

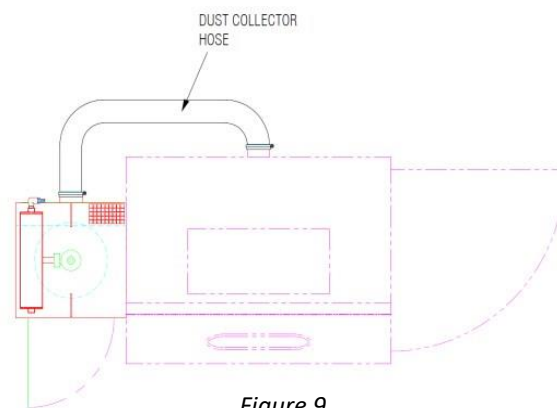


Figure 9

PRO1200RP (Plan View)

- 3.6 Position the blast pot directly beneath the cabinet and connect the rubber pot seal using the two (2) worm drive clamps provided, ensuring an airtight seal is achieved between the blast pot and cabinet. See figure 11.



NOTE – ALL JOINTS AND CONNECTIONS MUST BE FULLY AIRTIGHT TO PREVENT ANY LEAKAGE. FAILURE TO PROVIDE AIRTIGHT SEALS WILL PREVENT THE SYSTEM FROM OPERATING CORRECTLY.

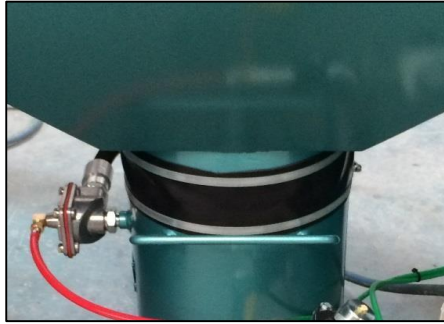


Figure 11



Figure 12

- 3.7 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.

- 3.8 Re-connect the pneumatic control line tubing as follows –

- 3.8.1 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 supply side of the blast pot piping (see figure 14).



FIGURE 13

RED TUBING TO FOOT
PEDAL POT “P” TO
BLAST POT SUPPLY
SIDE



FIGURE 14

- 3.8.2 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 control line side of the air control valve (see figure 18).

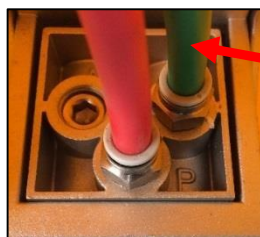


FIGURE 15

GREEN TUBING –
FOOT PEDAL PORT
“B” TO DOOR
INTERLOCK VALVE



FIGURE 16

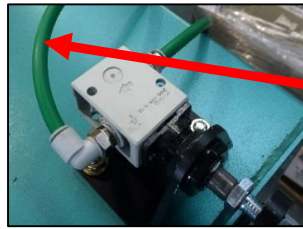


FIGURE 17

GREEN TUBING
RETURN FROM
INTERLOCK VALVE TO
SIGNAL SIDE OF AIR
CONTROL VALVE

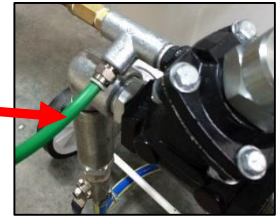


FIGURE 18

- 3.8.3 Black tubing – (For units with drum dust collector A201122-3) – Connect one end to the second port on the supply side of the blast pot piping (see figure 19) and the other end to the mini ball valve located on the top of the dust collector lid (see figure 20)

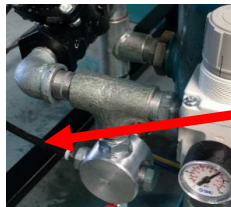


FIGURE 19

BLACK TUBING FROM
AIR MANIFOLD TO
DUST COLLECTOR
BALL VALVE



FIGURE 20

- 3.8.4 Re-connect the blast hose coupling to the abrasive control valve coupling by placing the two coupling faces together and rotating the hose coupling clockwise until the coupling lugs lock into position. Refit the safety locking pin through the 2 holes provided. See figures 21 & 22.

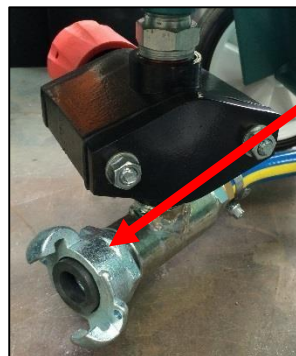


FIGURE 21

ABRASIVE VALVE
COUPLING

ABRASIVE HOSE
COUPLING

COUPLING
SAFETY CLIP

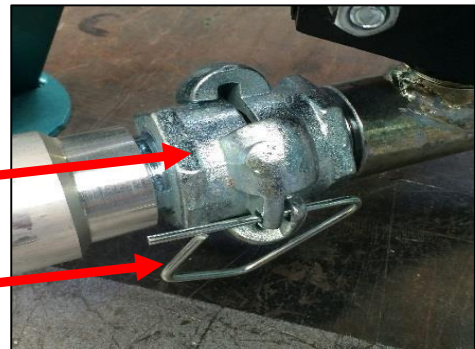


FIGURE 22

3.9 Service connections (Refer Section 8.0 for sizing requirements)

- 3.9.1 Electrical power – The blast cabinet and dust collector will each come with its 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 PRO1000RP) 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 23



FIGURE 23

CLEANING AIR
CONNECTION
POINT

BLASTING AIR
CONNECTION
POINT



FIGURE 24

- 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 24.
- 3.9.4 For the reverse pulse (RP) dust collector, the compressed air supply connection point is located on the end of the air manifold positioned directly on top of the dust collector assembly. This air supply provides reverse air pulsing of the filter cartridge to keep the filter clean. Refer figure 25.

CLEANING AIR
CONNECTION
POINT



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 PRO1000RP), 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 20-25kg'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.

AUTOMATIC
PULSE VALVE
CONTROLLER

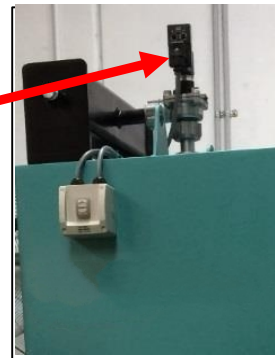
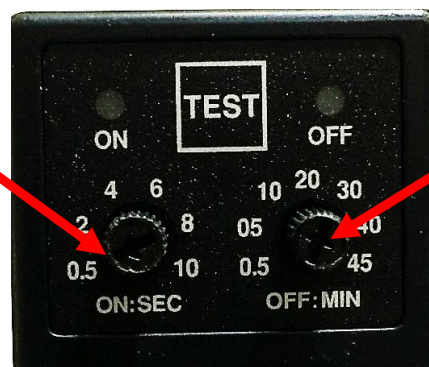


FIGURE 24

- 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).
- 3.13.6 The duration control is identified as the “on” control, and the frequency is identified as the “off” control.

DURATION
CONTROL



FREQUENCY
CONTROL

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.

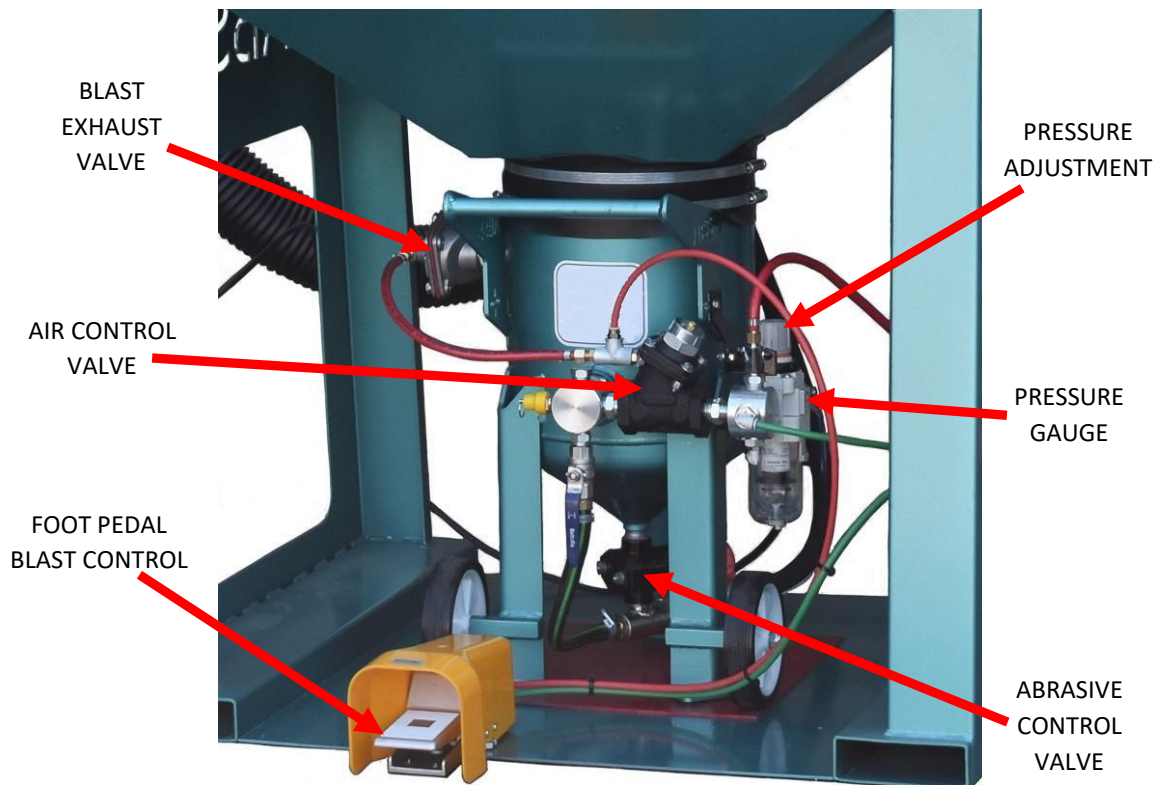
4.0 System Operation and Adjustments

- 4.1 Check that 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.



- 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 Fully closed the abrasive feed valve by turning the control knob clockwise, then open the valve one full turn by rotating the control knob anti-clockwise.

- 4.6 The operator now stands in front of the cabinet and place their hands/arms into the left and right glove openings respectively. Take a firm hold of the nozzle holder 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, turn the abrasive control valve knob anticlockwise. To decrease the abrasive flow to the blast gun, turn the abrasive control valve knob clockwise. 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



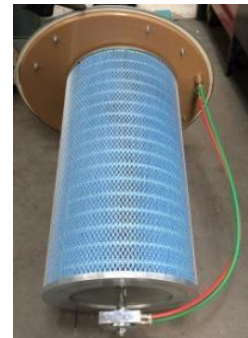
WARNING – Breathing airborne dust from any abrasive media may cause lung disease or other serious injury. Always wear suitably designed respiratory protection when handling any abrasive media and/or waste dust, and when in the immediate area during any abrasive blasting operations.

- 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 reassemble 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.



5.2 Monthly

- 5.2.1 Unscrew the blast nozzle from the nozzle holder and insert a 4.8mmmm (3/16") 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 4.8mm dia.
- 5.2.2 Check the condition of the rubber nozzle washer and replace if worn or grooved.

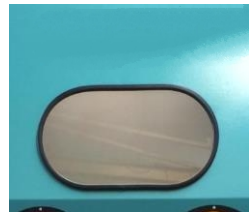


- 5.2.3 Remove the blast hose coupling locking pin and disconnect the blast hose from the abrasive control valve. Carefully inspect the condition of both couplings and coupling gaskets. Replace the coupling and/or gasket if they are showing any signs of wear or grooving.

COUPLING
GASKET

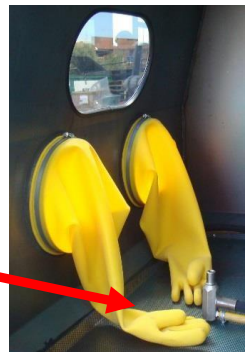


- 5.2.4 Check the condition of the abrasive hose by squeezing the hose between thumb and fingers along its entire length. Internal wear will show up as a soft spot.
- 5.2.5 If the wear is close to the end of the hose, the end may be cut off and the hose refitted. If along the length of the hose, replace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



- 5.2.5 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



5.3 3 Monthly

- 5.3.1 Check the condition of the cabinet light glass. This glass will become frosted over a period, which will reduce visibility inside the cabinet area. Replace the glass as required.
- 5.3.2 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 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.

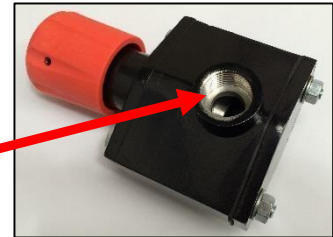


WARNING – Breathing airborne dust from any abrasive media may cause lung disease or other serious injury. Always wear suitably designed respiratory protection when handling any abrasive media and/or waste dust, and when in the immediate area during any abrasive blasting operations.

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.

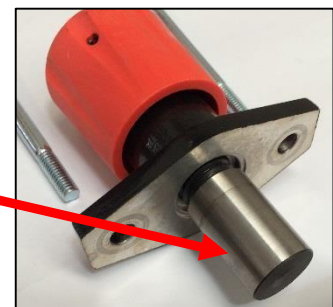
5.4.4 Remove the Mini Micro abrasive valve from the bottom of the blast pot and inspect it for wear. Check inside the valve inlet port for any signs of wear on the valve body.

CHECK INLET PORT
FOR WEAR



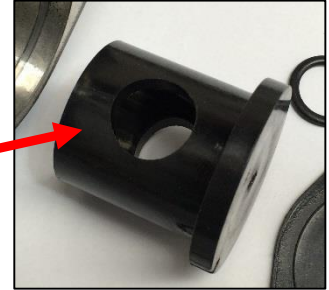
5.5.5 Dismantle the abrasive valve by removing the two (2) retaining bolts. Check the condition of the valve plunger, inspecting the wear or grooving in the end of the plunger. The plunger should be replaced if the wear exceeds 1.5mm or if there are grooves present.

INSPECT VALVE
PLUNGER FOR
WEAR/GROOVING



- 5.5.6 Check the condition of the urethane sleeve. The sleeve should be replaced if the sleeve ports have worn by more than 2mm.

INSPECT URETHANE
SLEEVE FOR WEAR



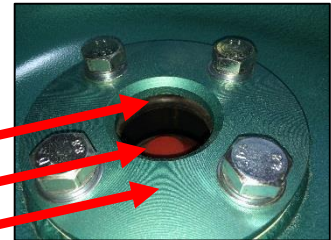
- 5.5.7 Carefully re-assemble the Mini Micro valve, ensuring all seals and o rings are correctly seated and positioned. Re-fit the assembled valve to the blast pot, using a thread sealant to prevent any air leakage.



NOTE: It is vital that there are no air leaks in or around the abrasive valve. Air leaks will cause very rapid premature wear.

- 5.5.8 Remove the blast pot sealing band and move the pot away from below the blast cabinet. Carefully inspect the pop-up valve and o ring for any signs of wear and/or grooving.

O RING
POP UP VALVE
TOP FLANGE



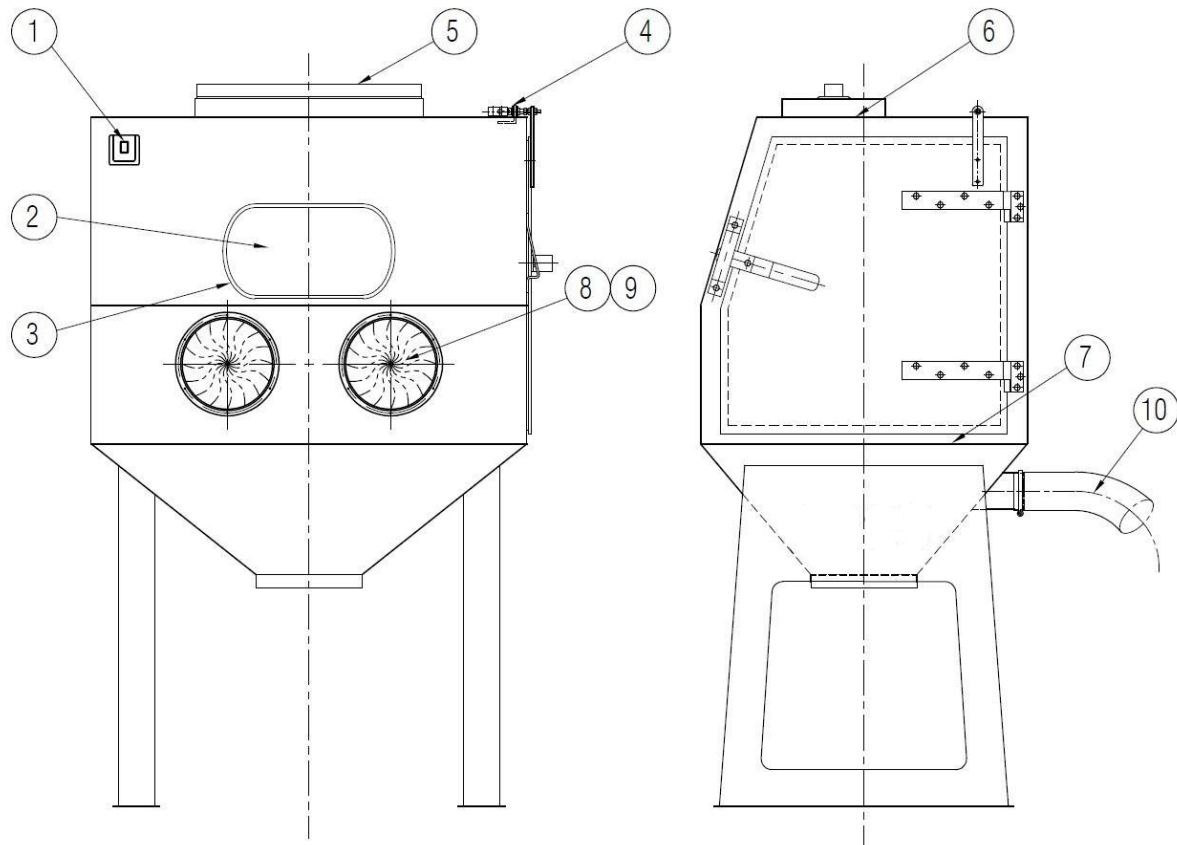
- 5.5.9 The pop-up valve and o ring can be replaced by removing the four (4) top flange retaining bolts and lifting off the flange. It is recommended that both the pop-up valve and o ring be replaced at the same time.

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
	Faulty exhaust valve	Dismantle exhaust and replace diaphragm
Intermittent abrasive flow to blast nozzle	Abrasive valve too far open. Plunger and urethane sleeve worn.	Re-adjust abrasive valve. Dismantle and repair if required.
	Blast pressure too low	Check regulator pressure gauge and adjust as required
	Blockage in abrasive hose/nozzle	Remove nozzle from nozzle holder and check blast hose, abrasive valve and blast pot for obstructions
	Damp abrasive	Drain all abrasive from system and check compressed air supply for excessive moisture
	Low compressed air pressure	Check pressure regulator, air supply. Check blast nozzle for excessive wear.
	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

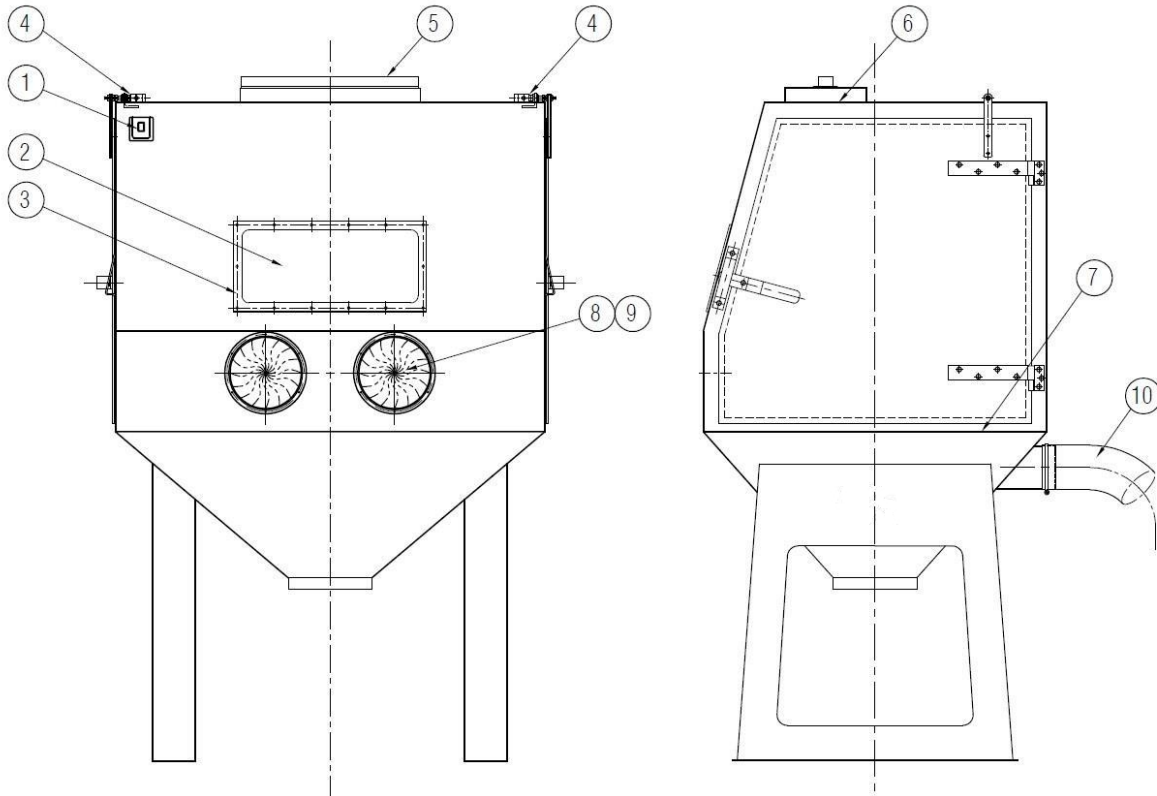
7.0 Replacement Parts

7.1 Cabinet Parts – Models PRO1000, PRO800, PRO1200RP & PRO1200



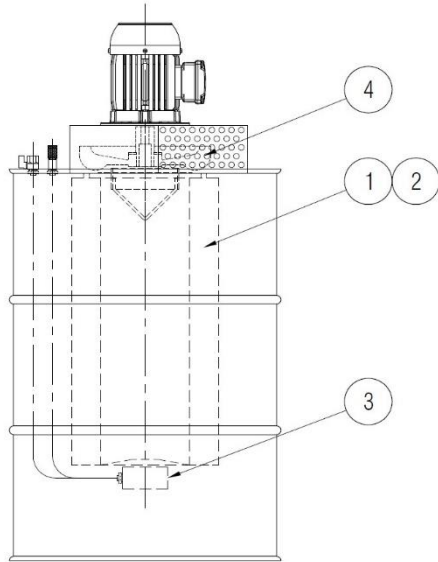
			Part Number			
Item	Description	Unit	PRO1000	PRO800	PRO1200RP	PRO1200
1	Light Switch	Ea.	N/A	WS226		
2	Operator Window	Ea.	1C-G900520-1			
3	Window Seal	Ea.	1C-ABSW-97			
4	Door Interlock Valve	Ea.	VM230-02-05A			
5	Light Assembly	Ea.	FBL225WCT			
6	Light Glass	Ea.	1C-G900520-16			
7	Cabinet Floor	Ea.	S900418-16	S900418-11	S900418-12	
8	Operator Gloves	PR.	1C-GLOVE-27SB			
9	Glove Clamps	Ea.	1C-GCLAMP			
10	Dust Collector Hose	Ea.	1C-PFC100			

7.2 Cabinet parts – Models PRO1500RP, PRO1500, PRO1800RP & PRO1800



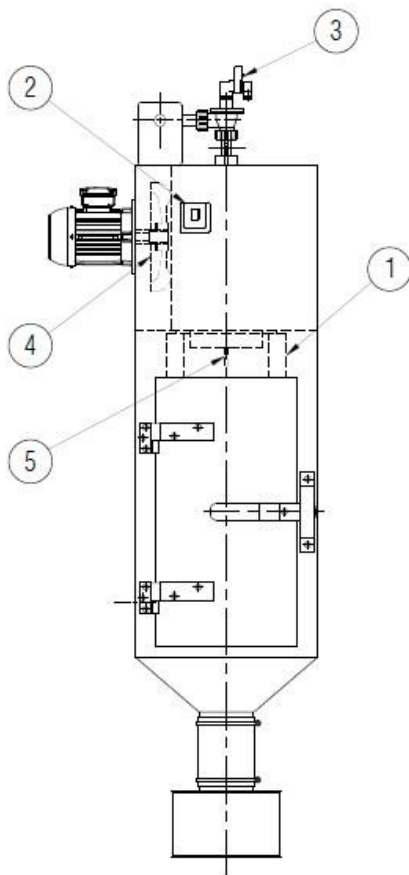
			Part Number			
Item	Description	Unit	PRO1500RP	PRO1500	PRO1800RP	PRO1800
1	Light Switch	Ea.	WS226			
2	Operator Window	Ea.	1C-G900520-16		1C-G900520-16 (x 2)	
3	Window Seal	Ea.	S210233		S210233 (x 2)	
4	Door Interlock Valve	Ea.	VM230-02-05A			
5	Light Assembly	Ea.	FBL225WCT			
6	Light Glass	Ea.	1C-G900520-16		1C-G900520-16 (x 2)	
7	Cabinet Floor	Ea.	S900418-10		S900418-13	
8	Operator Gloves	PR.	1C-GLOVE-27SB		1C-GLOVE-27SB (x 2)	
9	Glove Clamps	Ea.	1C-GCLAMP			
10	Dust Collector Hose	Ea.	1C-PFC150			

7.3 Dust Collector Parts – Drum Type – 200L – Model A201122-3



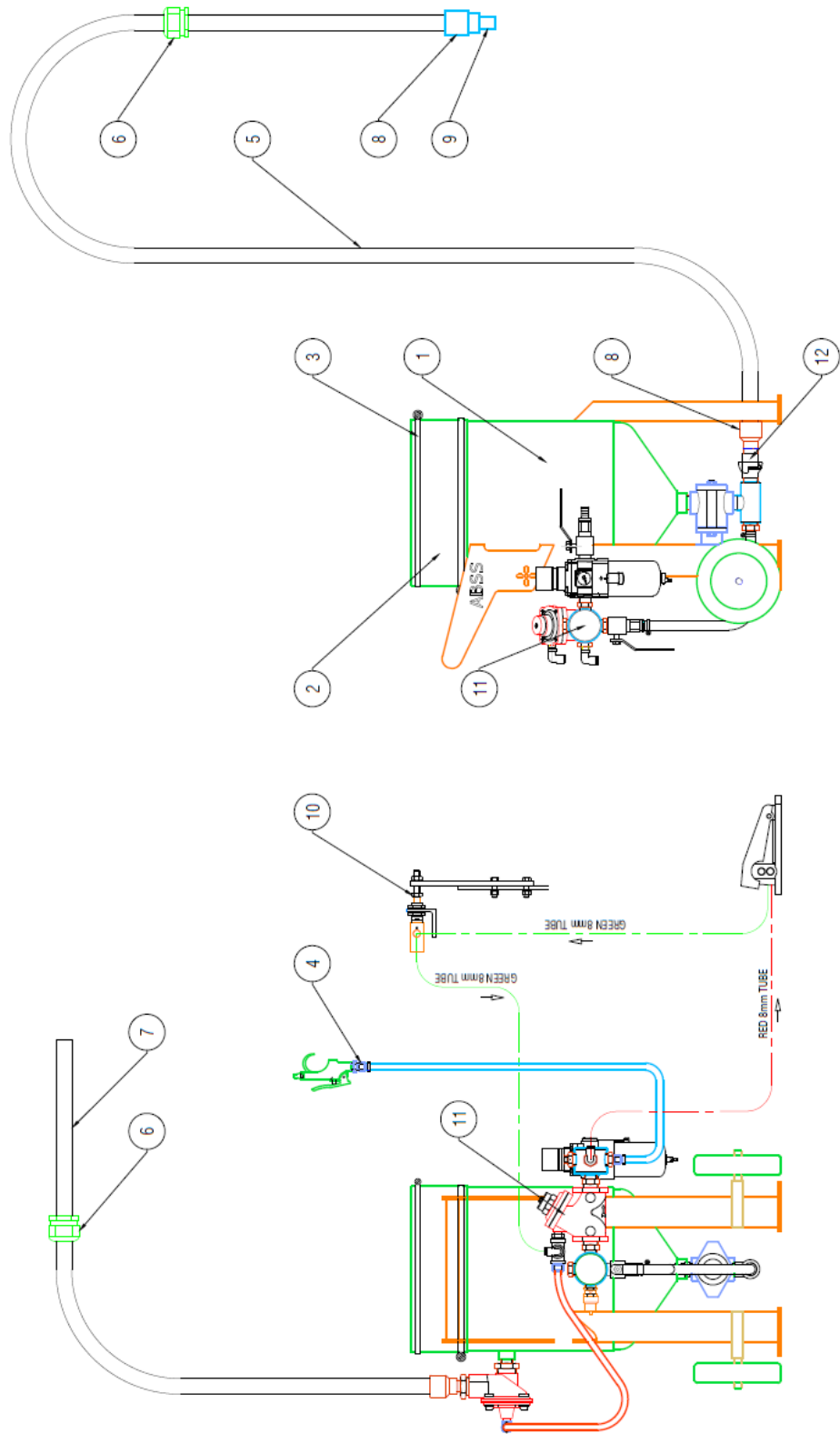
Item	Description	Unit	Part Number
1	Filter Cartridge	Ea.	A460
2	Hanger Rod	Ea.	B890125-1
3	Vibrator	Ea.	A890212
4	Fan Impellor	Ea.	788-CS160

7.4 Dust Collector Parts - Reverse Pulse Type - Model A201123



Item	Description	Unit	Part Number
1	Filter Cartridge	Ea.	A460
2	Fan Switch	Ea.	WS 226
3	Auto Pulse Valve	Ea.	A201128
4	Fan Impellor	Ea.	788-CS160
5	Hanger Rod	Ea.	B890125-1

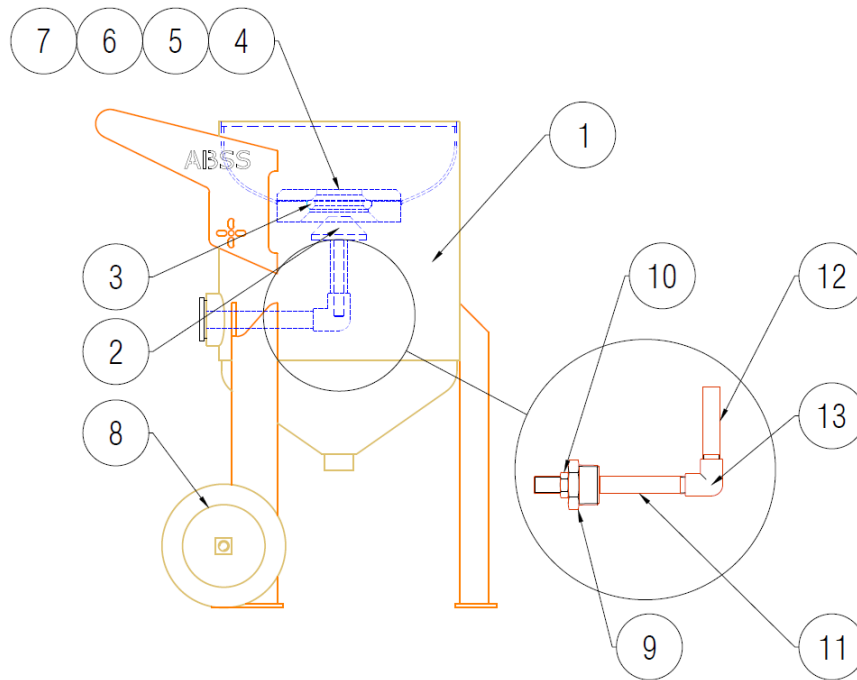
7.5 Pressure Blast Parts



7.5 Pressure Blast Parts

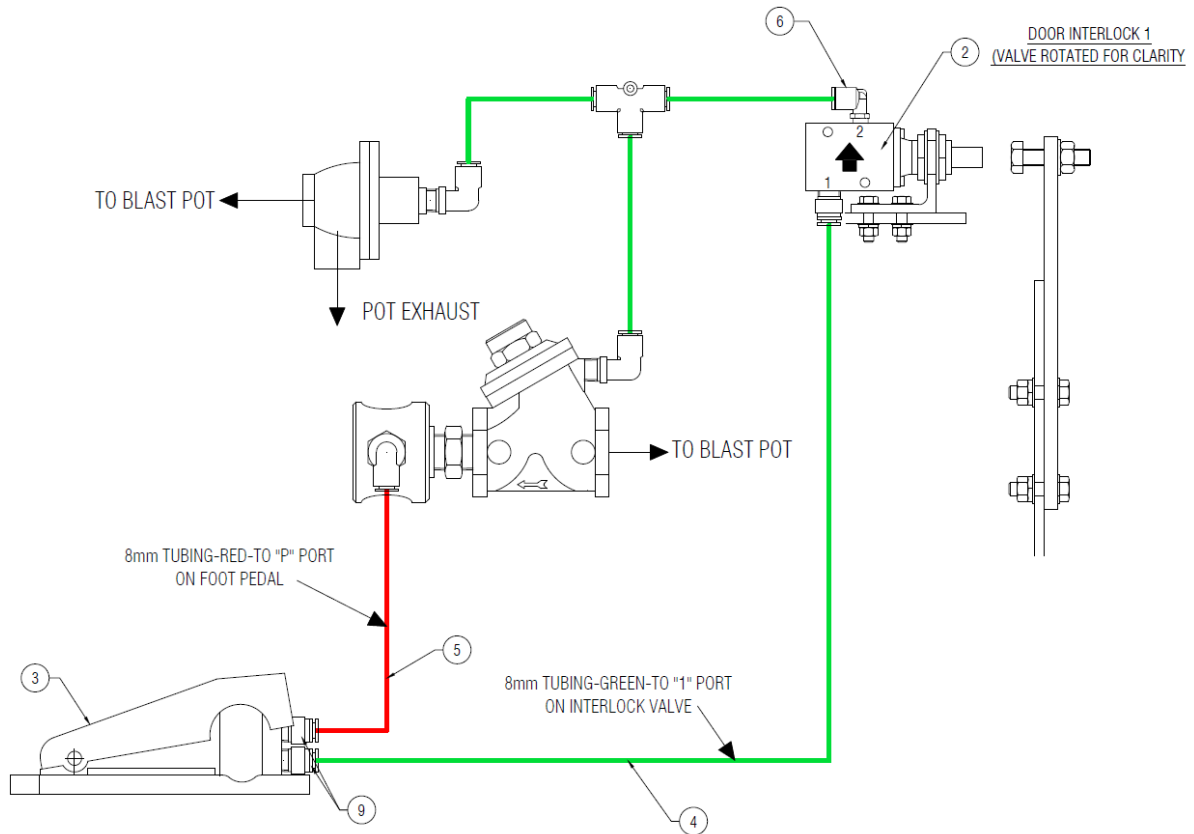
			PART NO.			
ITEM	DESCRIPTION	QTY	PRO800	PRO1200RP	PRO1500	PRO1800RP
1	Assembly - Bare Blast Pot	1	A201688			
2	Seal Band - 20L Pot	1	S210228			
3	Clamp - Seal Band	2	PSCLAMP			
4	Assembly - Blow Down Gun	1	A201131			
5	Hose - Blast	Per M	BHS1327 (4m)	BHS1327 (5m)	BHS1327 (5.5m)	BHS1327 (6m)
6	Seal Gland	2	OME32			
7	Hose - Exhaust	Per M	BHS1327 (1m)	BHS1327 (1.5m)	BHS1327 (2m)	BHS1327 (2.5m)
8	Holder - Nozzle - Aluminium	2	NH1/2			
9	Nozzle - Blast	1	AT3 - 3/16" Tungsten Carbide			
10	Assembly - Door Interlock Kit	1	A201675-1		A201675-2	
11	Assembly - Blast Pot Piping	1	A201691			
12	Coupling-Claw-3/4" BSP	1	SC3/4			

7.6 Blast Vessel Parts



ITEM	DESCRIPTION	QTY	PART NO.			
			PRO800	PRO1200	PRO1500	PRO1800
1	Assembly – Bare Pot Sub Assy	1	A201726			
2	Pop Up Valve - Small	1	A201289			
3	O Ring - Small	1	O201291			
4	Retaining Flange - Small	1	F930035-1			
5	Gasket-Fibre-50NB-Table E	1	G202410			
6	Washer-Flat-16mm	4	n/a			
7	Bolt-Hex Head-M16 x 35mm	4	n/a			
8	Wheel – 152mm Diameter	2	W201329			
9	Bush-Reducing-1 ½" BSP x ½" BSP	1	B201543			
10	Back nut – ½" BSP	1	SBN15G			
11	Pipe Piece – ½" BSP - Special	1	P202488			
12	Pipe Piece – ½" BSP	1	P202492			
13	Elbow – Steel – F & F – ½" BSP	1	E201477			

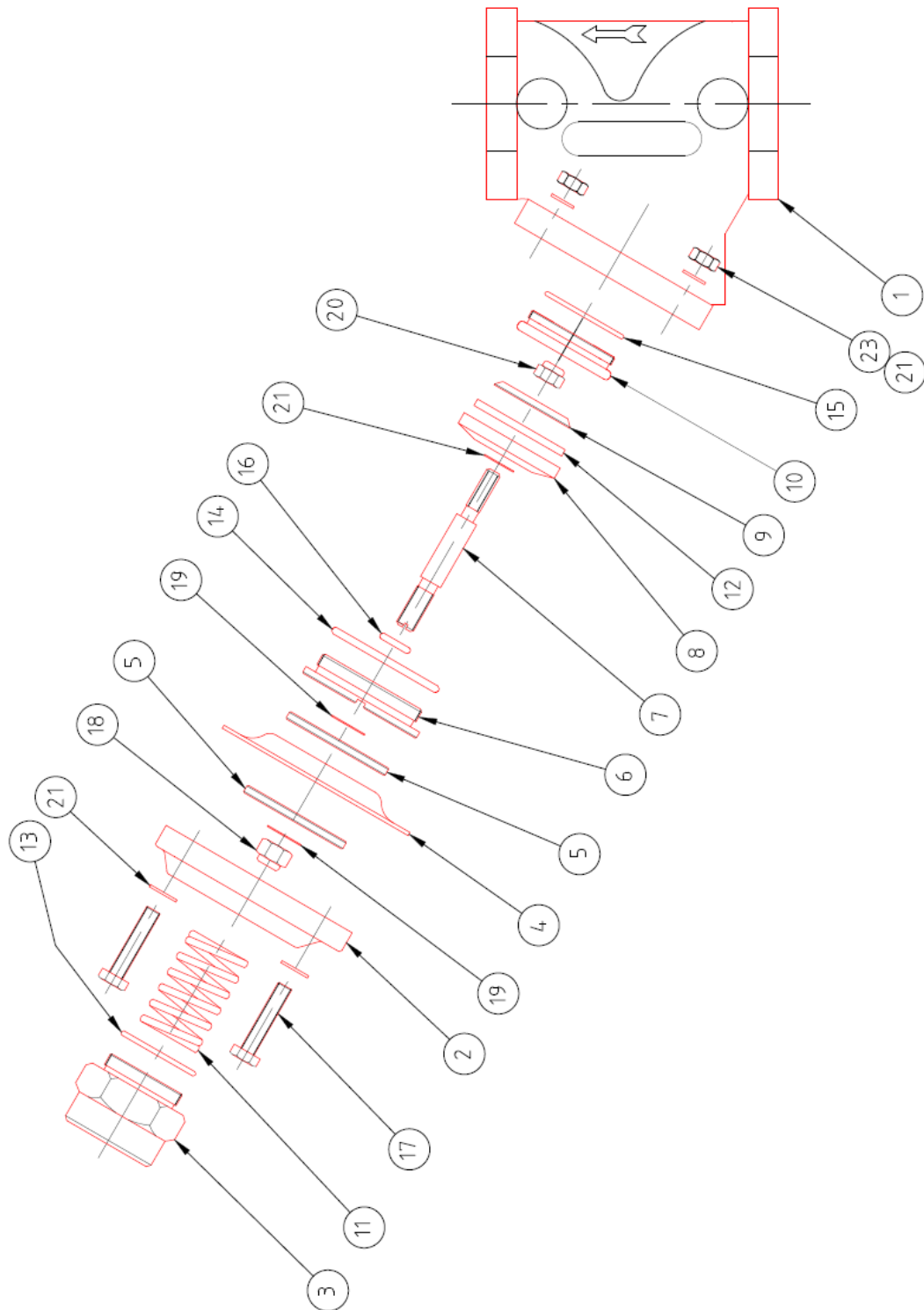
7.7 Door Interlock Parts



		PART NO.					
		A201675-1			A201675-2		
ITEM	DESCRIPTION	QTY	PRO800	PRO1200	QTY	PRO1500	PRO1800
1	Bracket - Interlock Valve	1	B201654		2	B201654	
2	Valve-3/2-Straight Plunger	1	VM320-02-05A		2	VM320-02-05A	
3	Foot Pedal-3/2-With Shroud	1	4F210-08G-23		1	4F210-08G-23	
4	Tube-Nylon-8mm-Green	4m	T0806-G		4m	T0806-G	
5	Tube-Nylon-8mm-Red	1m	T0806-R		1m	T0806-R	
6	Elbow-1/4" BSP x 8mm	1	KQ2L08-02NS		2	KQ2L08-02NS	

		PART NO.				
		A201691				
ITEM	DESCRIPTION	QTY	PRO800	PRO1200	PRO1500	PRO1800
1	HOSE BARB - 1/2" BSP X 1/2" - BRASS	1	B201857			
2	BALL VALVE - M & F - 1/2" BSP	1	V201460			
3	NIPPLE - 1/2" BSP	1	N201495			
4	MANIFOLD - 5 WAY - 1/2" BSP	2	M950236			
5	BUSH - REDUCING - 1/2" BSP X 1/4" BSP	2	B201531			
6	NIPPLE - REDUCING - 1/2" BSP X 1/4" BSP	1	N201504			
7	AIR CONTROL VALVE - 3/4" BSP	1	A201455			
8	NIPPLE - REDUCING - 3/4" X 1/2" BSP	2	N201507			
9	PLUG - 1/4" BSP	1	P201557			
10	ELBOW-PUSH IN-8MM X 1/4" BSP	2	KQ2L08-02NS			
11	VALVE - PRESSURE RELIEF - 1/2" BSP	1	V202147			
12	PUSHER LINE KIT - 1/2" BSP	1	A201284			
13	TEE - MINI MICRO VALVE - 3/4" BSP	1	T201576			
14	CLAW COUPLING - STEEL - 3/4" BSP	1	SC 3/4			
15	NIPPLE - BARREL - 3/4" BSP	1				
16	NIPPLE - 1/4" BSP	1	N201493			
17	TEE - 1/4" BSP	1	T201570			
8	EXHAUST CONTROL LINE	1	A201611			
19	NIPPLE - REDUCING - 1" BSP X 1/2" BSP	1	N201508			
20	VALVE - EXHAUST - 1" BSP	1	A201282 BOM			
21	NIPPLE - REDUCING - 1" BSP X 3/4" BSP	1	N201509			
22	HOLDER - NOZZLE - 3/4" BSP	1	NH1/2			
23	BREATHING - 1/8" BSP	1	B201621			
24	BLOW DOWN GUN ASSEMBLY	1	A201131			
25	PRESSURE REGULATOR-1/2" BSP	1	AW40-04H-A			
26	VALVE-MINI MICRO-3/4" BSP	1	A201390			
27	ELBOW - STEEL GAL - M & F - 1/2" BSP	1				

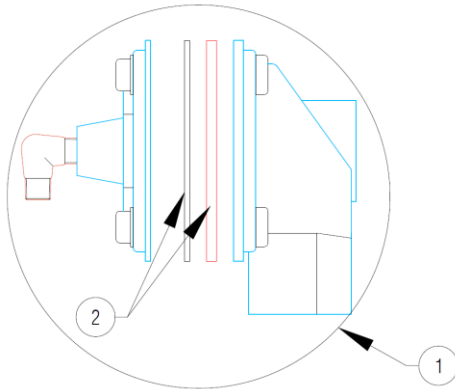
7.9 Air Control Valve



AUTO AIR VALVE – 3/4"		MODEL	PRO45-20L
		ASSY NO.	A201082
ITEM	DESCRIPTION	QTY	PART NO.
1	BODY - AIR CONTROL VALVE – 3/4"	1	B201083
2	COVER - AIR CONTROL VALVE	1	C201084
3	CAP - AIR CONTROL VALVE	1	C201067
4	DIAPHRAGM - AIR CONTROL VALVE	1	D201085
5	WASHER - FLAT	2	W201069
6	BUSH - INNER	1	B201087
7	SHAFT	1	S201088
8	SEAT HOLDER	1	S201089
9	RETAINER	1	R201090
10	GUIDE - BUSH	1	B201091
11	SPRING - AIR CONTROL VALVE	1	S2010792
12	GASKET	1	G201093
13	O RING	1	AS568-025
14	O RING	1	AS568-124
15	O RING	1	AS568-120
16	O RING	1	AS568-110
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	PRO45-20L
		ASSY NO.	A201402
ITEM	DESCRIPTION	QTY	PART NO.
4	DIAPHRAGM - AIR CONTROL VALVE	1	D201085
12	GASKET	1	G201093
13	O RING	1	AS568-025
14	O RING	1	AS568-124
15	O RING	1	AS568-120
16	O RING	1	AS568-110
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

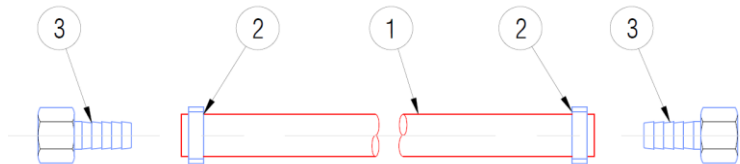
7.10 Exhaust Valve



EXHAUST VALVE - 1"

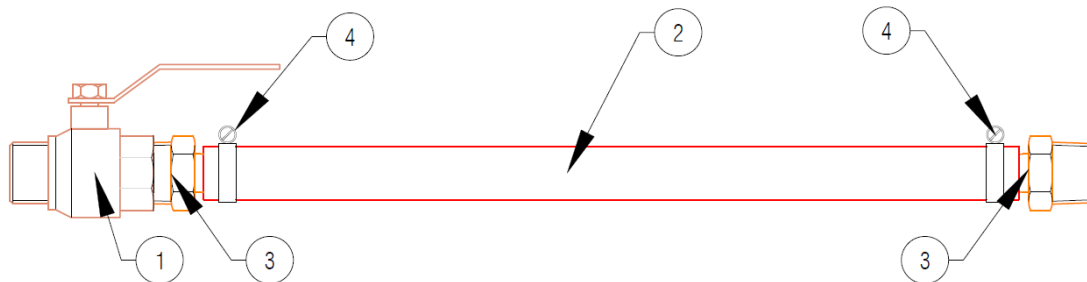
		MODEL	PRO45-20L
		ASSY NO.	A201282
ITEM	DESCRIPTION	QTY	PART NO.
1	ASSY-EXHAUST VALVE-1"	1	A201282
2	KIT - DIAPHRAGM	1	A201283

7.11 Exhaust Control Line



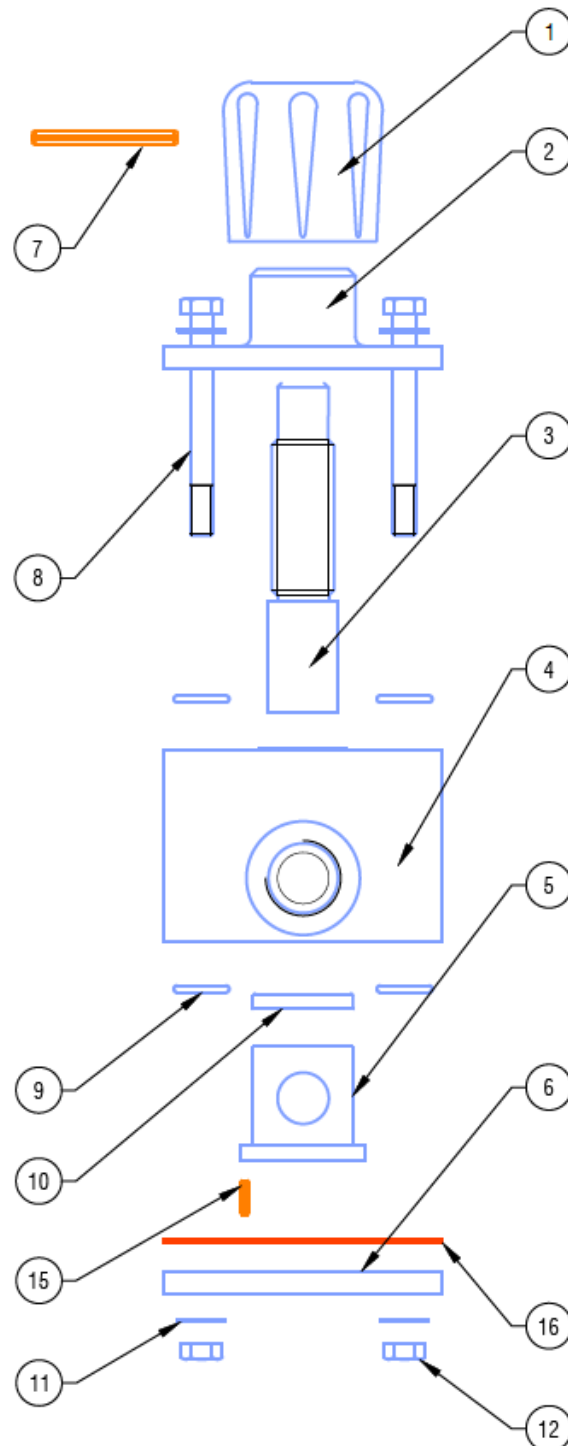
		MODEL	PRO45-20L
		ASSY NO.	A201611
ITEM	DESCRIPTION	QTY	PART NO.
1	AIRLINE - 1/4" (6MM) ID	0.4	A201627
2	HOSE CLIP	2	OTK08
3	NUT & TAIL - 1/4" BSP FEMALE X 1/4" (6MM) BARB	2	N201196

7.12 Pusher Line



		MODEL	PRO45-20L
		ASSY NO.	A201284
ITEM	DESCRIPTION	QTY	PART NO.
1	BALL VALVE - M & F - 1/2" BSP	1	V201461
2	AIR HOSE - 1/2" ID	0.7	AHVPC13
3	HOSE BARB - 1/2" BSP x 1/2"	2	B201857
4	CLAMP - WORM DRIVE - 12-22mm	2	12-22/12W1P-50

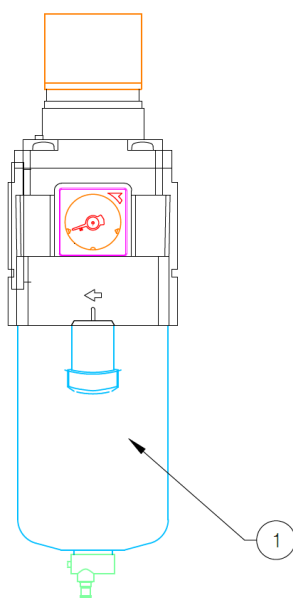
7.13 Mini Micro Valve



MINI MICRO VALVE – 3/4"		MODEL	PRO45-20L
		ASSY NO.	A201390
ITEM	DESCRIPTION	QTY	PART NO.
1	CONTROL KNOB	1	C201217
2	VALVE CAP - TOP	1	V201218
3	PLUNGER	1	P201219
4	VALVE BODY – 3/4"	1	V201391
5	SLEEVE	1	S201393
6	VALVE CAP - BOTTOM	1	V201392
7	ROLL PIN – 5mm x 50mm	1	n/a
8	BOLT – HEX HEAD – M8 x 90	4	n/a
9	O RING – 13.94 x 2.62	4	AS568-113
10	LIP SEAL – 35 x 25 x 5	1	UN-25-35-5
11	NUT – HEXAGON – M8	2	n/a
12	WASHER – FLAT – M8	1	n/a
15	ROLL PIN – 2.5mm x 12mm	1	n/a
16	GASKET	1	G201406

SERVICE KIT-MINI MICRO VALVE-3/4"		MODEL	PRO45-20L
		ASSY NO.	A201453
ITEM	DESCRIPTION	QTY	PART NO.
3	PLUNGER	1	P201219
5	SLEEVE	1	S201393
7	ROLL PIN – 5mm x 50mm	1	n/a
9	O RING – 13.94 x 2.62	4	AS568-113
10	LIP SEAL – 35 x 25 x 5	1	UN 25-35-5
15	ROLL PIN – 2.5mm x 12mm	1	N/A
16	GASKET	1	G201406

7.14 Pressure Regulator/Water Trap



MOISTURE TRAP ASSEMBLY		MODEL	PRO45-20L
		ASSY NO.	AW40-04H-A
ITEM	DESCRIPTION	QTY	PART No.
1	REPLACEMENT BOWL ASSEMBLY	1	C4SF-A

Section 8.0 Specifications

8.1 Cabinets

	PRO1000RP	PRO800	PRO1200RP	PRO1200	PRO1500RP	PRO1500	PRO1800RP	PRO1800
Power Requirement	240V Single Phase 10amp							
Compressed Air Requirement	9l/sec @ 138 kPA	21l/sec @ 690kPA	9l/sec @ 138 kPA	21l/sec @ 690kPA	9l/sec @ 138 kPA	21l/sec @ 690kPA	9l/sec @ 138 kPA	21l/sec @ 690kPA
	20cfm @ 80psi	45cfm @ 100psi	20cfm @ 80psi	45cfm @ 100psi	20cfm @ 80psi	45cfm @ 100psi	20cfm @ 80psi	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	25W LED Panel						25W LED Panel 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 Collector200L	Reverse Pulse Dust Collector
Power Requirement	240V Single Phase 10amp		
Minimum Recommended Air Supply Line Size	N/A	6mm (1/4")	13mm (1/2")