Signature Series / DCI Compressor Installation.



Equipment Alert

Compressor system must be installed per local pluming and electric codes







SSV12G Rocking Head Triple (230 Volt)

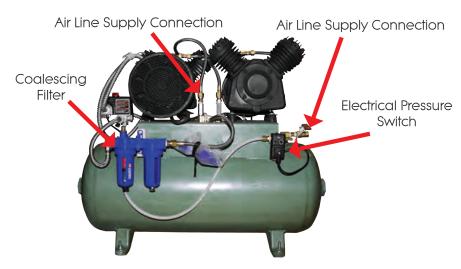


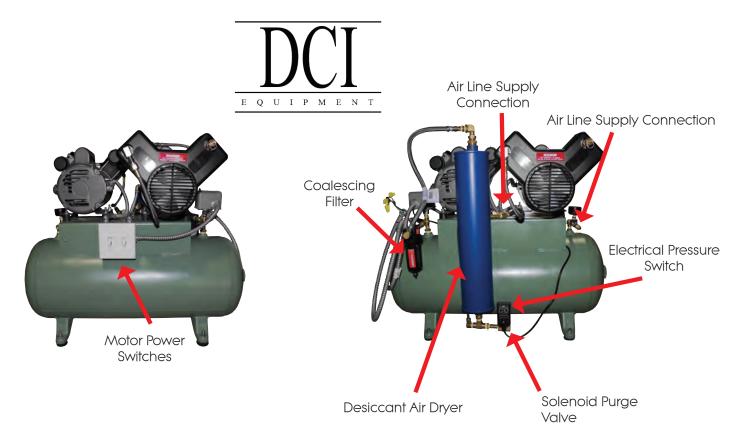
SSV12 Direct Drive Dual (230 Volt)

Compressor Main Component Locations











Compressor Site Requirements









Electrical

Supply	SSV6	SSV6 G	SSV12/12G	SSV18/18G
Voltage	115/230	230	230	230
Single Phase				
Disconnect Switch Box - Fused - User Supplied - Box(es) must be located within 3ft. of compressor.	20 Amps	30 Amps	30 Amps	30 Amps

Plumbing

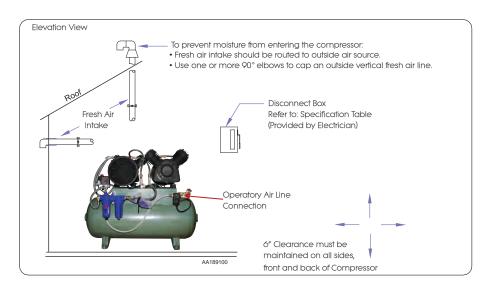
Fresh Air Intake Line	
Туре	PVC
Line Sizing	1" Minimum (Provided by Contractor)
Compressor Connections	1" MPT or 1" PVC Slip Connectors
Drain	
Туре	Poly Tube (Provided)
Delivery Line	
Main Trunk Line	3/8" to 3/4" Copper, as site layout dictates. Terminate in mechanical room with 1/2" FPT. Flex hose provided for service connection.
Operatory Branch Lines	40° - 104° Fahrenheit/ 4° - 40° Celsius

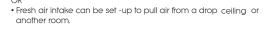
Environmental

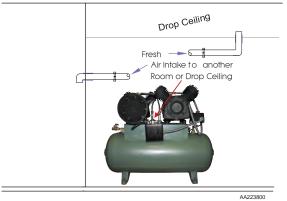
Equipment Room Ambient Temperature Operational	40° - 104° Fahrenheit/ 4° - 40° Celsius
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Compressor Site Layout

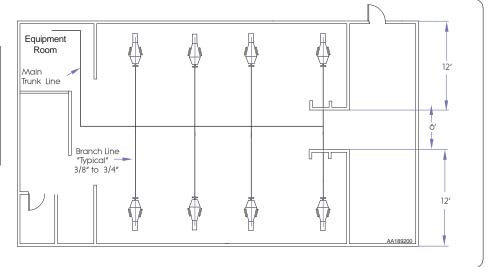






Sample Plumbing Layout

AIR LINE SIZING CHART						
Compressor CFM @ 80 psig	Main Header Line Size					
5 - 10	3/8" ODT					
10 - 20	1/2" ODT					
20 - 30	5/8" ODT					
30 - 40	3/4" ODT					



Important Information

Intended Use

To provide compressed air during general examinations and procedures conducted by qualified dental professionals.

Disposal of Equipment

At the end of product life, the unit(s), accessory, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

Transportation / Storage Conditions



Keep dry



Maximum stacking height (palletted units)



Fuse raing specification



Caution hot surface



IPXO Ordinary Equipment



Consult User Guide for important information.



Proper shipping orientation



Fragile



Protective earth ground



Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided. This symbol is used only in the most extreme conditions



Indicates a potentially hazardous situation which could result in serious injury if not avoided.



CAUTION

Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices



Equipment Alert

Indicates a potentially hazardous situation which could result in equipment damage if not avoided

Amplifies a procedure, practice, or condition

This product has been evaluated with respect to Electrical shock, fire & mechanical hazards only, in Accordance with UL60601-1 and CAN/CSA C33.3 NO. 60601-1



Before you Install...

Step 1: Remove compressor and accessories from shipping skid.



Step 2: Install feet.

Step 3: Move compressor to a dry, well-ventilated area on a solid, level surface.

Note: Temperature of room 40° (4°C) min. - 100° (38°) max.

Equipment Alert

Compressor system must be installed in an air conditioned and or ventilated room to ensure operational ambient temperature of 40° to 104° Fahrenheit (4° - 40° Celsius). A 6″ clearance is required on the rear and one side to allow air flow around the unit. Failure to do so could cause premature loss of system

performance and void warranty.



Signature Series Compressor Installation.

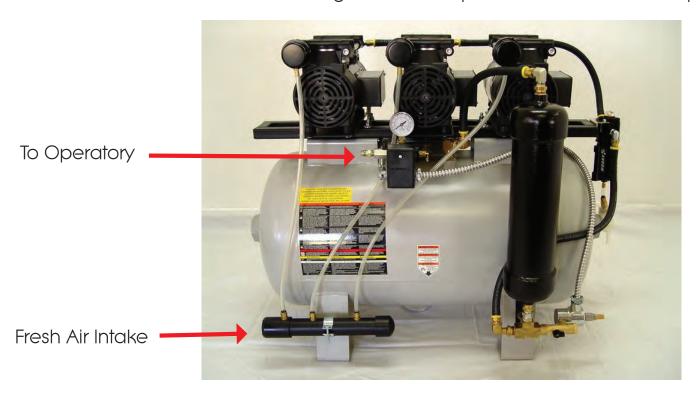
Installation - Plumbing Connections

Equipment Alert

To prevent moisture from entering the compressor...

- Incoming fresh air temperature must not exceed room temperature by more than 20° Fahrenheit or -6 Celsius.
- Fresh air intake should be routed to an air source outside the equipment room.
- Refer to "Site Layout" in this manual for routing recommendations.
- •Tight bends in the fresh air intake hoses may cause them to collapse, potentially leading to premature compressor failure.

Step 4: Connect fresh air intake hose to Fitting behind compressor to fresh air intake pipe.

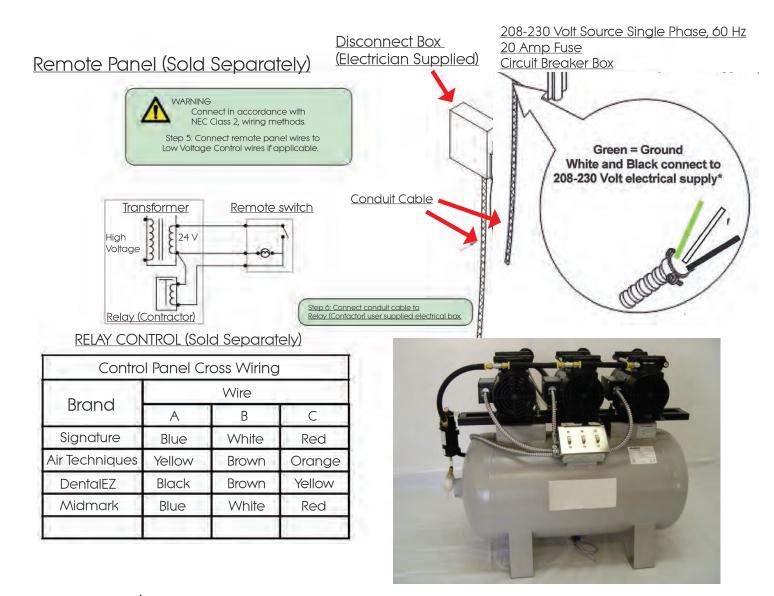




Signature Series Compressor Installation.

Installation - Electrical Connections

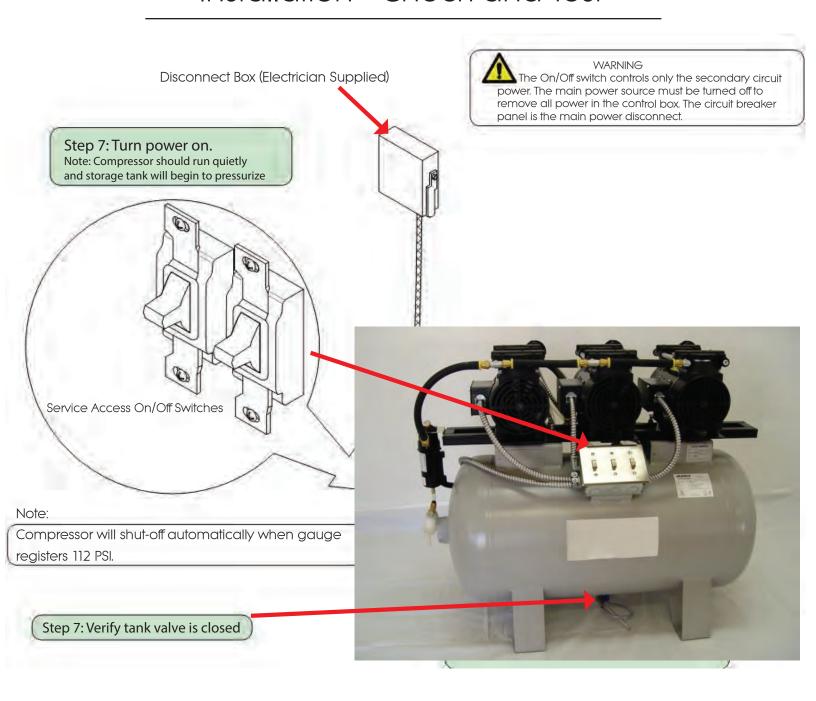
*Refer to Specification Sheet for Electrical Ratings in this manual.





Signature Series Compressor Installation.

Installation - Check and Test





Signature Series Compressor Installation.

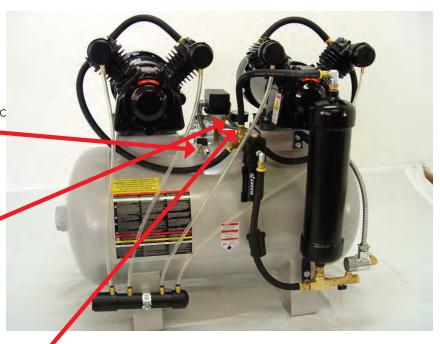
Installation - Check and Test Cont.

Note:

Monitor line pressure gauge when testing for leaks

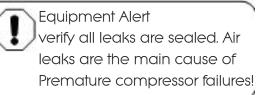
Step 10: Open the shut-off valve slowly and allow air to flow into the office air system.

Step 11: Allow office line to pressurize for 20-30 seconds. Check storage pressure gauge reading.



Step 12: Check gauge reading after 10 minutes.

Note: If the storage pressure gauge registers a Lower reading, an air leak exists. Locate the leak(s) and repair.





WARNING

Always disconnect the power before servicing. The head(s) surface(s) can be very hot depending on compressor usage. Do not touch these parts during or directly after operation.





Signature Series Compressor Installation.

Specification Sheet



			Comp	ress	or Sp	eci	ficatior	is:		
Model	Users	Heads	CFM @ 80psi	Noise Level	Voltage	Amps	Size H"xW"xD"	HP	Tank Size	Weight
SSV6*	1-3	1	6	61	115/230*	6.95	30"x23"x18"	1	8 gal.	195 lbs.
SSV12	4-6	2	12	62	230	13.90	33"x34"x24"	2	25 gal.	300 lbs.
S5V18	6-12	3	18	63	230	20.85	33"x52"x24"	3	30 gal.	320 lbs.
SSV6G	1-3	2	6.4	57	230	6.95	30"x23"x18"	1.5	8 gal.	195 lbs.
SSV12G	4-6	3	9.6	57	230	13.90	33"x34"x24"	2.25	25 gal.	300 lbs.
SSV18G	6-12	4	12.8	59	230	20.85	33"x52"x24"	3	30 gal.	360 lbs.