RAMVAC®

Osprey™ Compressor

Preinstallation Guide



Doctor:	_____
Address:	_____
Phone No.:	_____
Dealer:	_____
Address:	_____

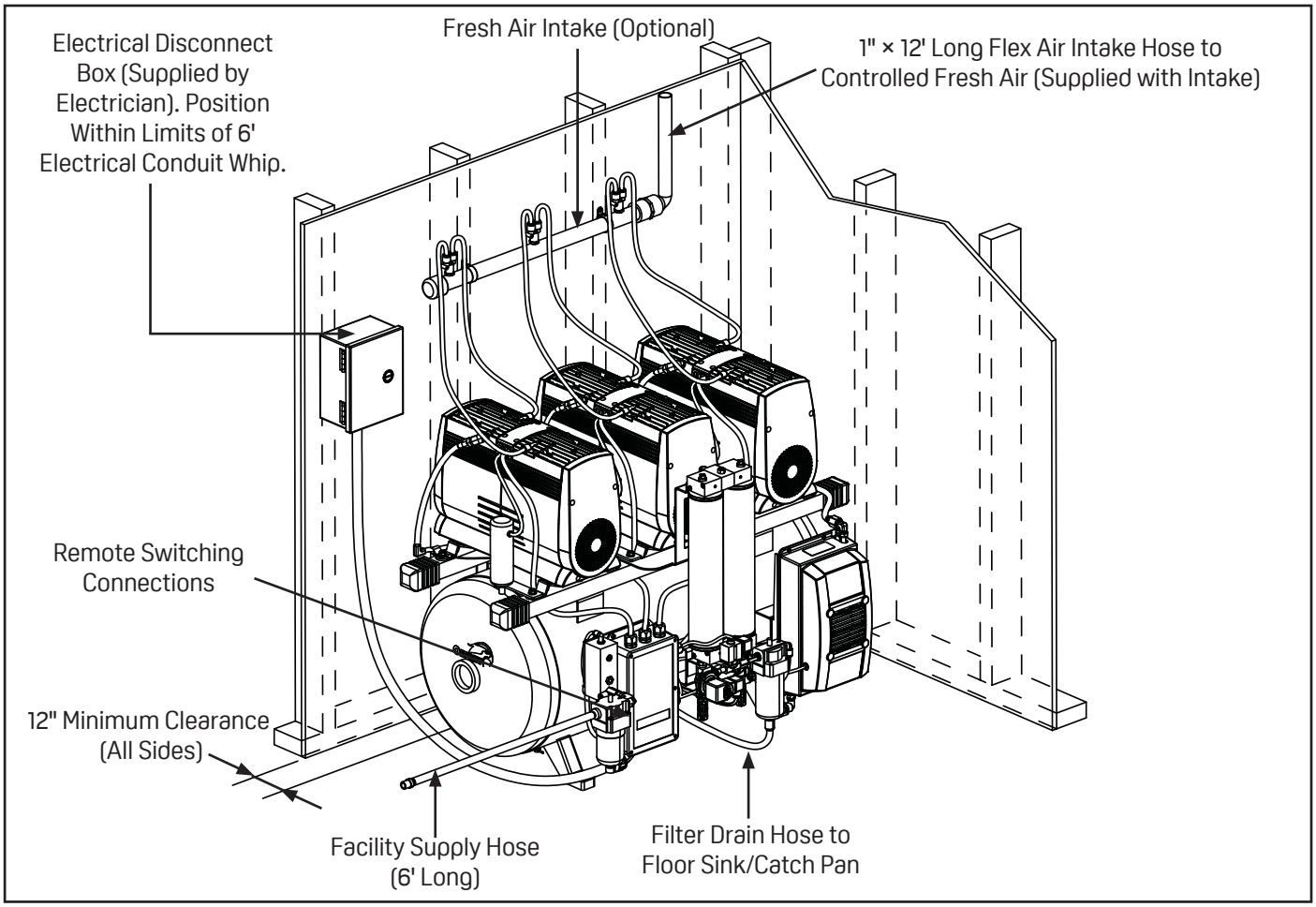
Check ☑ Osprey Model Being Installed:	☐ OSP13B ☐ OSP22B ☐ OSP23B ☐ OSP24B ☐ OSP25B ☐ OSP28B ☐ OSP13S ☐ OSP22S ☐ OSP23S ☐ OSP24S ☐ OSP25S ☐ OSP28S ATTENTION: It is recommended that this equipment be installed by a licensed electrical/plumbing contractor only. **All installations must conform to local and national codes.**

NOTICE

This information is not intended to replace the information found in the **User Manual**. Refer to **User Manual** for full installation, safety and precautions.

DentalEZ
INTEGRATED SOLUTIONS

Equipment Room Layout



Placement

- Indoor use only, in a dust-free room.
- Ventilation required for room to remain between 32°F to 100°F (0°C to 37.7°C). Additional forced air and HVAC must be used if ambient temperatures do not fall into this range.
- Do not install on surfaces with more than a 5 degree incline.
- Allow 12" minimum clearance on all sides for all units.
- If unit is placed in an area adjacent to office space, sound eliminating techniques should be considered for the unit.

Plumbing

- Connect drain hose to fitting on bottom of coalescing filter and direct it into floor drain/catch pan for disposal of water.
- Connect compressor air outlet to facility plumbing with provided supply hose (3/8" × 3/8" MNPT × 6' long).
- Connect fresh air manifold to controlled fresh air source.
- Connect only equipment suitable for listed maximum pressure of the compressor.

Fresh Air Intake Kits						
Model	OSP22B OSP22S	OSP13B OSP13S	OSP23B OSP23S	OSP24B OSP24S	OSP25B OSP25S	OSP28B OSP28S
Part Number	005002	005002	005002	005002	005002	005014

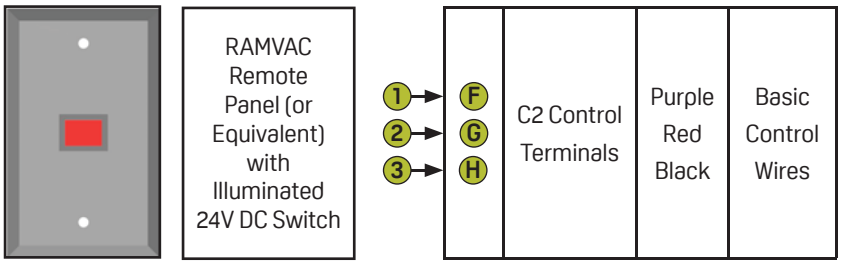
Electrical

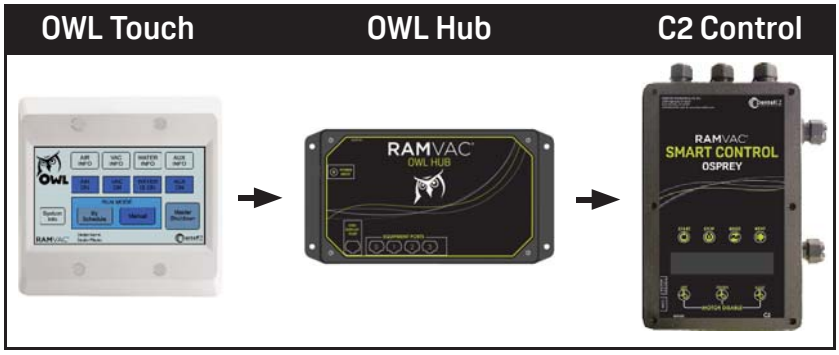
High Voltage

- Install a dedicated electrical circuit of sufficient capacity (see **Specifications & Site Requirements** table).
- Any means provided to isolate this device from the supply mains shall isolate all poles simultaneously. The disconnection means and overcurrent protection are to be provided by the installer. This device should always be attached to a dedicated circuit with appropriate wiring and circuit protection.

Low-Voltage Remote Switching (Recommended)

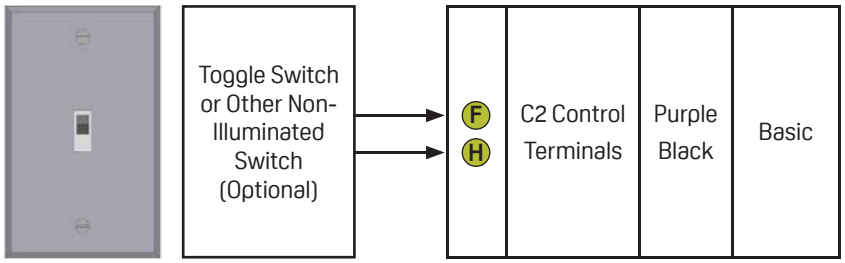
- Maximum wire length for low-voltage, 18-gauge wire is 500 feet.
- OWL to C2 (Smart Control) connection must be made with CAT 6 shielded cable using RJ45 connectors (up to 300 feet).

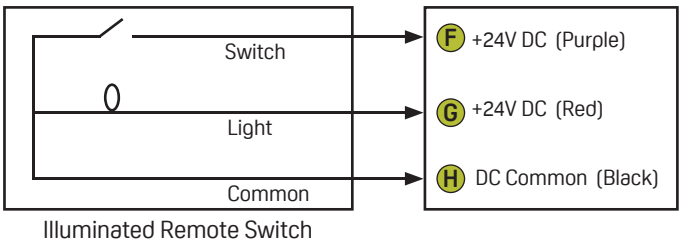




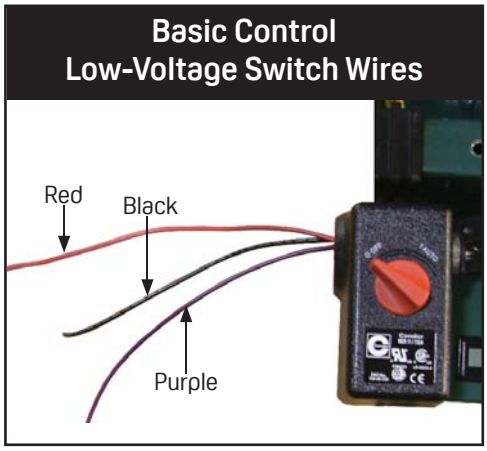


Low-Voltage Remote Switching (Alternative)





Illuminated Remote Switch



Specifications & Site Requirements						
Model	OSP22B OSP22S	OSP13B OSP13S	OSP23B OSP23S	OSP24B OSP24S	OSP25B OSP25S	OSP28B OSP28S
Maximum Number of Users	3	4	4	6	7	11
Motors Per Unit	1	2	2	2	2	3
Horsepower (Per Motor)	2	1.25	1.25	Left 1.25/ Right 2	2	2
Voltage Rating (Minimum/Maximum)	230 208/253	115 103/126	230 208/253	230 208/253	230 208/253	230 208/253
Frequency (Hz)	60	60	60	60	60	60
Breaker Rating Size (Recommended Amps)	20	30	20	20	30	40
Full Load Amps	10.5	23	11.5	16.3	21	32
Fusetron Size (Recommended)	FRN-15	FRN-25	FRN-15	FRN-20	FRN-25	FRN-40
THHN Wire Size (AWG)	10	10	10	10	10	8
BTU/HR (Heat Released to Room)	1,762	1,963	1,963	2,343	2,815	4,522
Unit Dimensions Without Sound Cover (Inches: W×D×H)	29×21×29	29×21×29	29×21×29	35×25×30	35×25×30	41×29×32
Unit Dimensions With Sound Cover (Inches: W×D×H)	33.3×29×34	33.3×29×34	33.3×29×34	35×29×34	35×29×34	41.1×33×36
Weight (Pounds)	160	190	190	250	260	385
Tank Size (Gallons)	12	12	12	20	20	30
Sound Levels (dBA with/without Sound Cover)	65/73	70/78	70/78	72/80	76/82	78/84
Peak Airflow Output CFM @ 80 PSI	6.0	6.6	6.6	9.3	12.0	18.1
Pump-up Cycle Time 85-115 PSI (Seconds)	45	45	45	45	40	40
Filtration (Microns)	0.3 Coalescing; 0.01 Final Particulate					
Dryer Duty Cycle	100%					
Shipping/Transport Temperature (Min/Max)	-20°F/165°F					
Dryer Dew Point (PDP)	-40°F/-40°C					
Operating Pressures	586 kPa/85 PSI to 793 kPa/115 PSI with ±2% Total Error Band					

ETL CLASSIFIED
Intertek
4007136

Conforms to:
ANSI/AAMI STD ES60601
Certified to:
CAN/CSA STD C22.2 NO. 60601-1

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