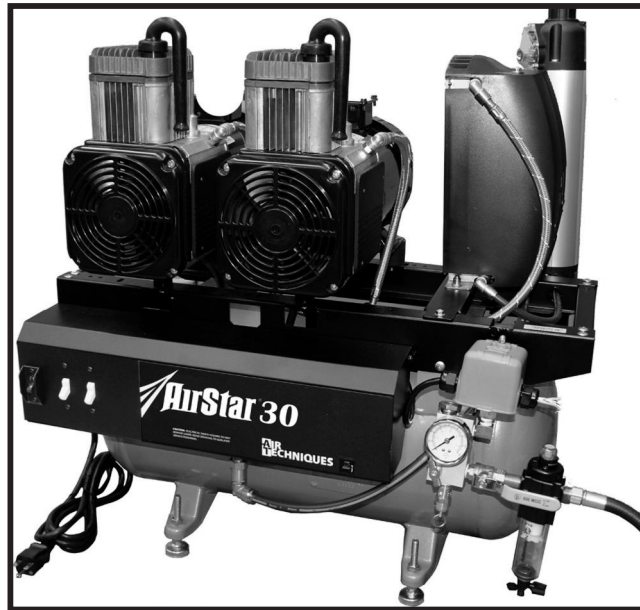




DENTAL AIR SYSTEM
with Membrane Dryer



PRE-INSTALLATION GUIDE

Doctor: _____
Address: _____
Phone#: _____
Dealer: _____
Dealer Address: _____

All Installations must conform to local codes!

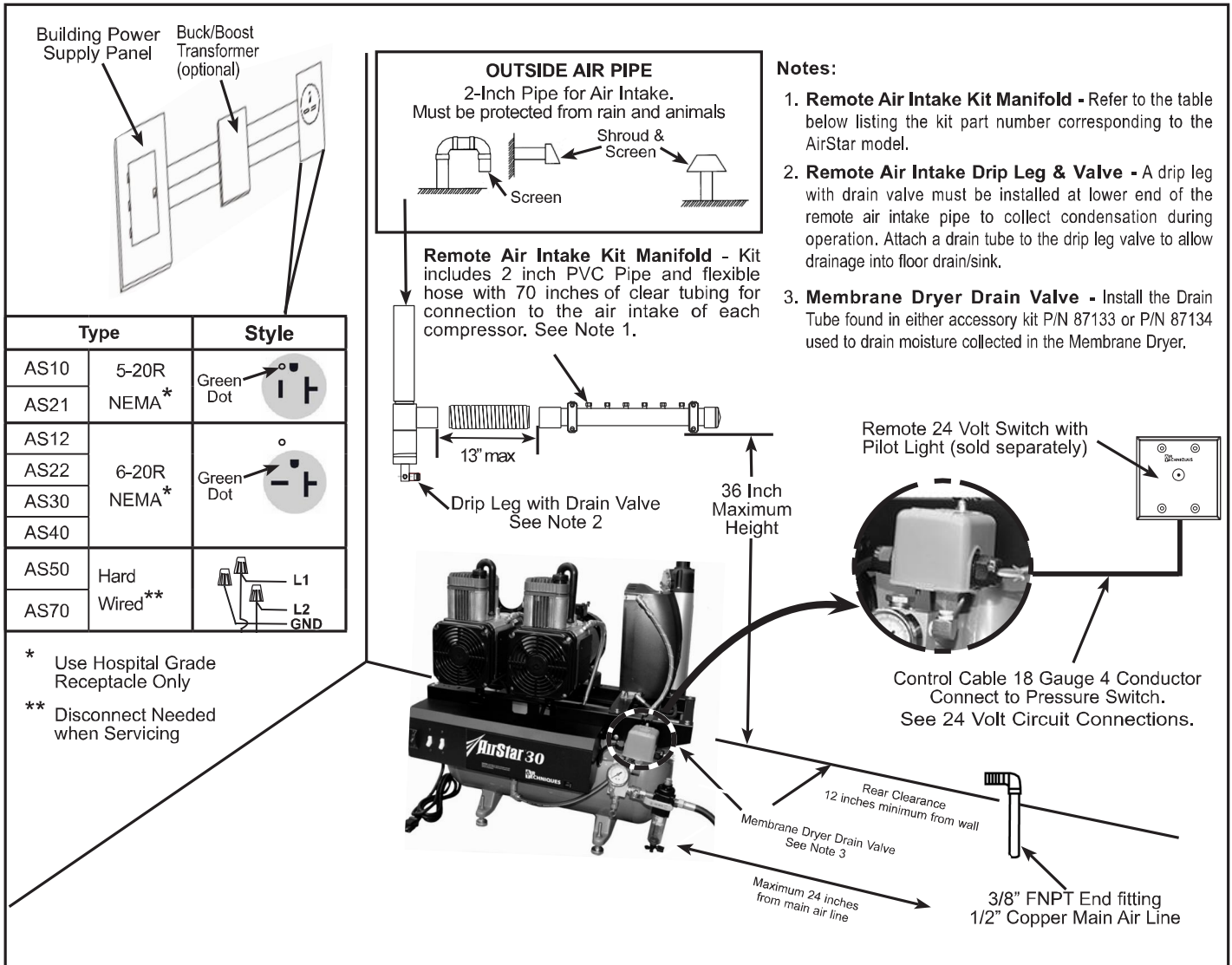
This AirStar Model is being installed:

(AS CHECKED)

- | | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> AS10 | <input type="checkbox"/> AS12 | <input type="checkbox"/> AS21 | <input type="checkbox"/> AS22 |
| <input type="checkbox"/> AS30 | <input type="checkbox"/> AS40 | <input type="checkbox"/> AS50 | <input type="checkbox"/> AS70 |



Equipment Room Layout



Remote Air Intake Kits:

Model	AS10	AS12	AS21	AS22	AS30	AS40	AS50	AS70
Part No.	85491	85491	85492	85492	85492	87361	85493	85494

Air System Plumbing Connection

- $\frac{3}{8}$ " FNPT Shut-off valve and a 6 ft. pressure hose (supplied)
- Air distribution piping for all models - $\frac{1}{2}$ ", type "L" or type "K" copper
- If pipe volume is too great, more than 235 in³ or more than 100 ft. of $\frac{1}{2}$ " diameter pipe, a pressure regulator should be installed between the main tank and the distribution piping and set to 80 psi.

Service Clearance

- Allow 12" on all sides for all units

Ambient Temperature

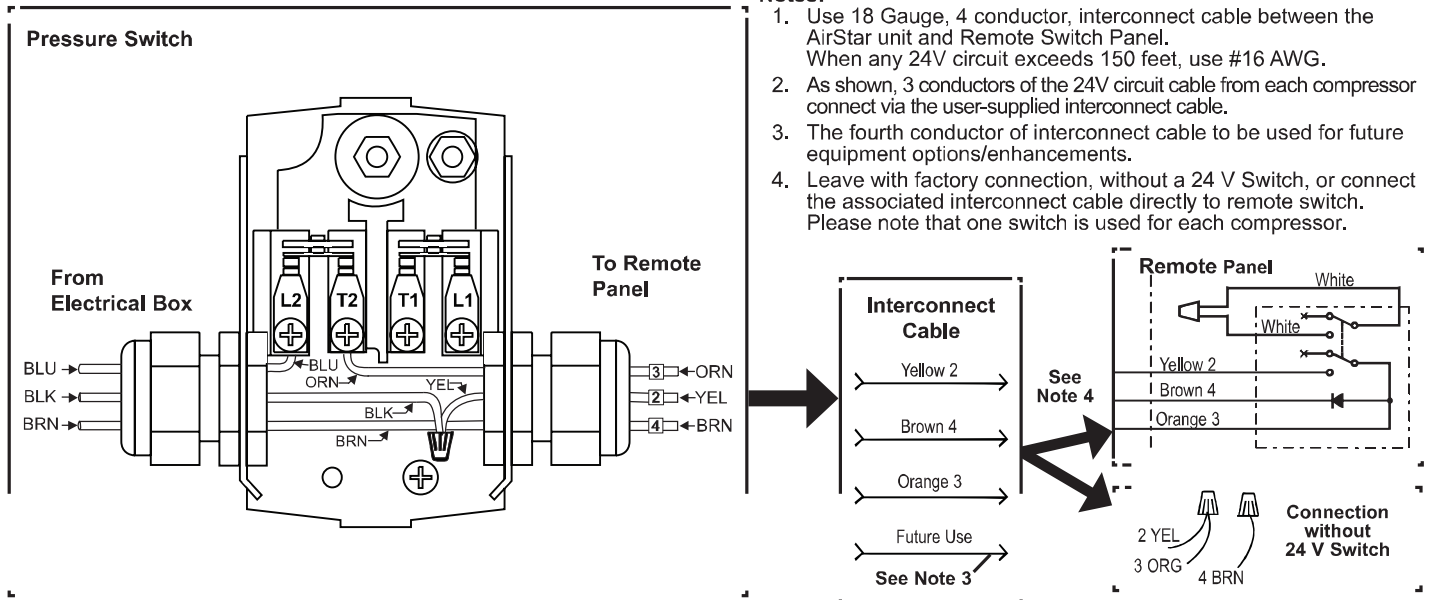
- Must not exceed 105°F
- Must be above 41°F



MEDICAL ELECTRICAL EQUIPMENT

WITH RESPECT TO ELECTRICAL SHOCK, FIRE, MECHANICAL
AND OTHER SPECIFIED HAZARDS ONLY
IN ACCORDANCE WITH UL-60601-1, CAN/CSA C22.2 NO.601.1 66CA

24 Volt Circuit Connections



Site Requirements

	AS10	AS12	AS21	AS22	AS30	AS40	AS50	AS70
Note: Install a buck or boost transformer if actual facility service is above or below the supply voltage fluctuation of $\pm 10\%$ of nominal voltage ratings listed, install a buck/boost transformer with the corresponding part number as shown below.								
Nominal Supply Voltage (VAC, see note)	115	220	115	220	220	220	220	220
Full Load Amps in. Circuit	8	4	15	8	8	12	16	24
Panel Breaker Rating (Amps)	20	10	30	20	20	20	30	40
Minimum Wire Size (AWG)	12	16	10	12	12	12	10	8
Watts per Hour	330	330	640	640	660	970	1280	1920
BTU per Hour	1,126	1,126	2,184	2,184	2,252	3,310	4,368	6,552
Note: The 115 volt 2.0 KVa transformer is not available from Air Techniques.								
Buck/Boost Transformer Air Techniques Part No. and Size	2.0 KVa N/A	67002 3.9 KVa	2.0 KVa N/A	67002 3.9 KVa	67002 3.9 KVa	67002 3.9 KVa	67002 3.9 KVa	67000-1 7.8 KVa

All AirStar compressors comply with NFPA 99C level 3 requirements

Product Specifications - Dimensions

AirStar Model Requirement		AirStar 10	AirStar 12	AirStar 21	AirStar 22	AirStar 30	AirStar 40	AirStar 50	AirStar 70
Horsepower/Kilowatts		0.75/0.56	0.75/0.56	1.5/1.1	1.5/1.1	1.5/1.1	2.25/1.68	3.0/2.2	4.5/3.4
Voltage Rating		120	220	120	220	220	220	220	220
Frequency (Hz)		60	60	60	60	60	60	60	60
Maximum Number of Simultaneous Air Users		2	2	3	3	4	5	7	10
CFM (Cubic Ft./Min) @ 80 psi		2.5	2.5	5.0	5.0	5.0	7.5	10.0	15.0
Pump-up Time 0-115 PSI (seconds)		2 min, 55 secs	2 min, 55 secs	3 min, 10 secs	3 min, 10 secs	3 min, 10 secs	1 min, 40 secs	2 min, 50 secs	2 min, 40 secs
Recovery Time 85-115 PSI (seconds)		48	48	47	47	47	34	42	40
Tank Size (cu. ft.) (US Gal.)		0.8 6	0.8 12	1.6 12	1.6 12	1.6 12	1.6 12	2.7 20	4.0 30
Shipping Weight (Approximate lbs)									
No Sound Cover		170	170	200	200	240	255	290	430
With Sound Cover		215	215	240	240	285	300	335	N/A
Dimensions (inches)	H	28.50	28.50	30.50	30.50	30.50	30.50	33.50	35.00
	W	25.00	25.00	29.00	29.00	29.00	32.50	35.50	47.75
	D	19.75	19.75	20.00	20.00	20.00	20.00	20.50	21.75
With Sound Cover	H	30.00	30.00	32.00	32.00	32.00	32.25	33.50	36.00
	W	25.00	25.00	31.00	31.00	31.00	33.25	36.50	51.00
	D	22.50	22.50	22.25	22.25	22.25	22.50	22.75	29.50

Corporate Headquarters

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291 Bonnie Lane, Suite 101 | Corona, CA 92880 - 2804 | Phone: 800-247-8324 | Fax: 951-898-7646

www.airtechniques.com



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