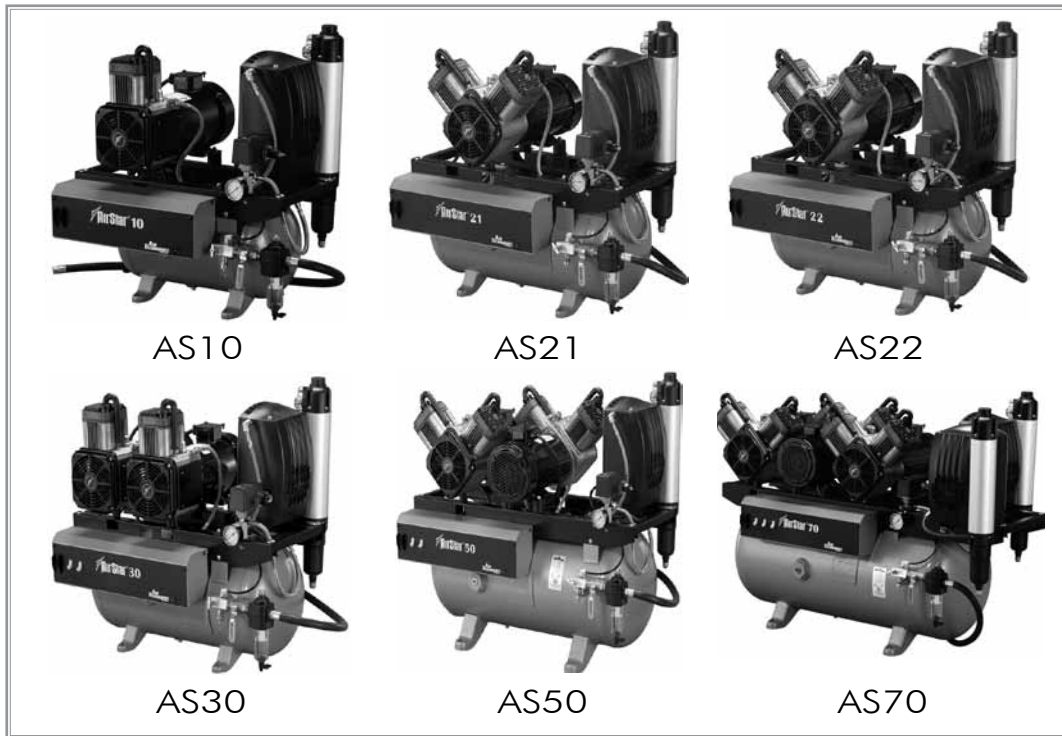




DENTAL AIR SYSTEM with Membrane Dryer



PRE-INSTALLATION GUIDE

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

All Installations must conform to local codes!

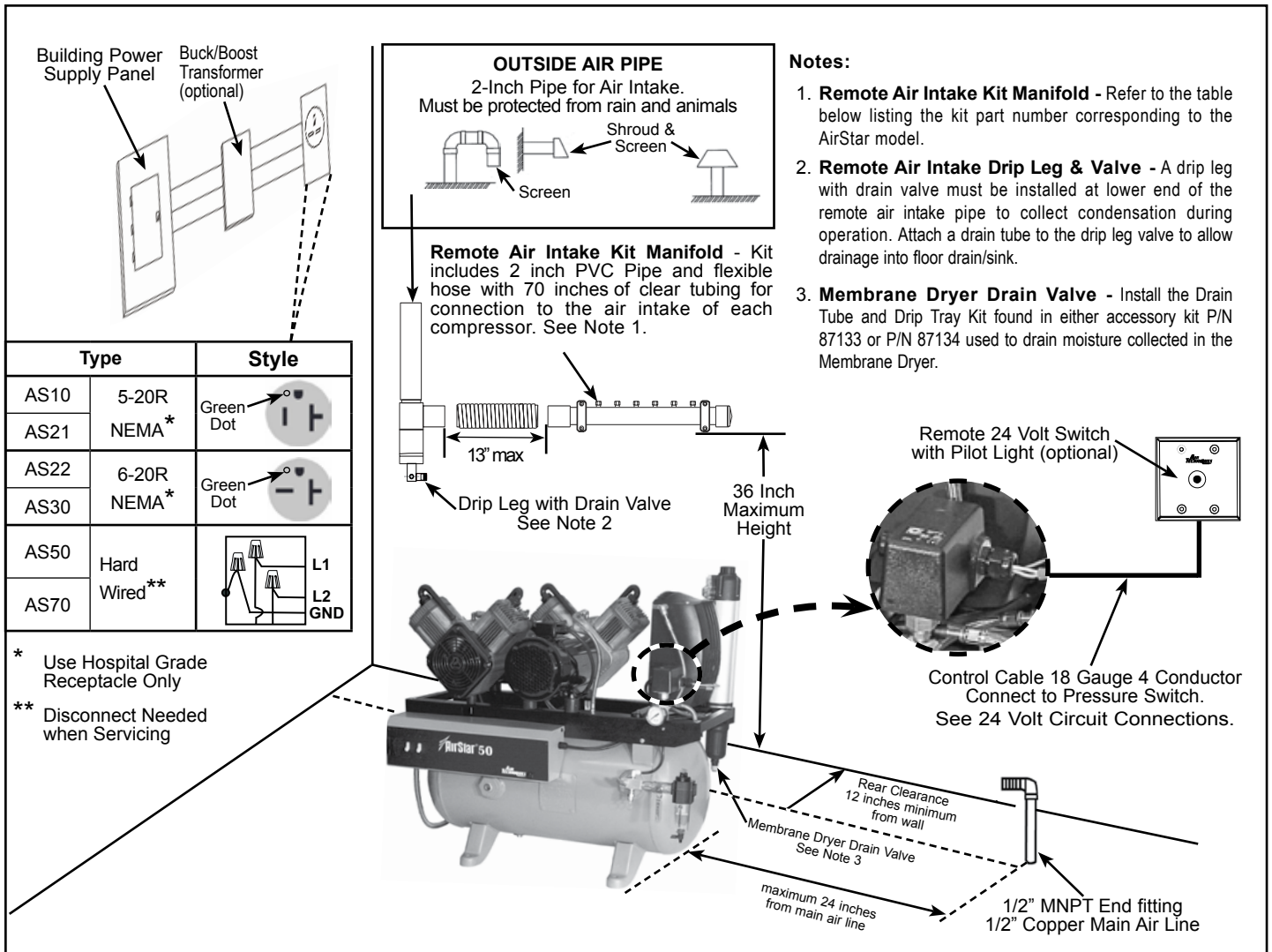
This AirStar Model is being installed:

(AS CHECKED)

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



Equipment Room Layout



Notes:

- Remote Air Intake Kit Manifold** - Refer to the table below listing the kit part number corresponding to the AirStar model.
- Remote Air Intake Drip Leg & Valve** - A drip leg with drain valve must be installed at lower end of the remote air intake pipe to collect condensation during operation. Attach a drain tube to the drip leg valve to allow drainage into floor drain/sink.
- Membrane Dryer Drain Valve** - Install the Drain Tube and Drip Tray Kit found in either accessory kit P/N 87133 or P/N 87134 used to drain moisture collected in the Membrane Dryer.

Remote Air Intake Kits:

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

Air System Plumbing Connection

- 1/2" FNPT Shut-off valve and a 6 ft. pressure hose (supplied)
- Air distribution piping for all models - 1/2", type "L" or type "K" copper
- If pipe volume is too great, more than 235 in³ or more than 100 ft. of 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

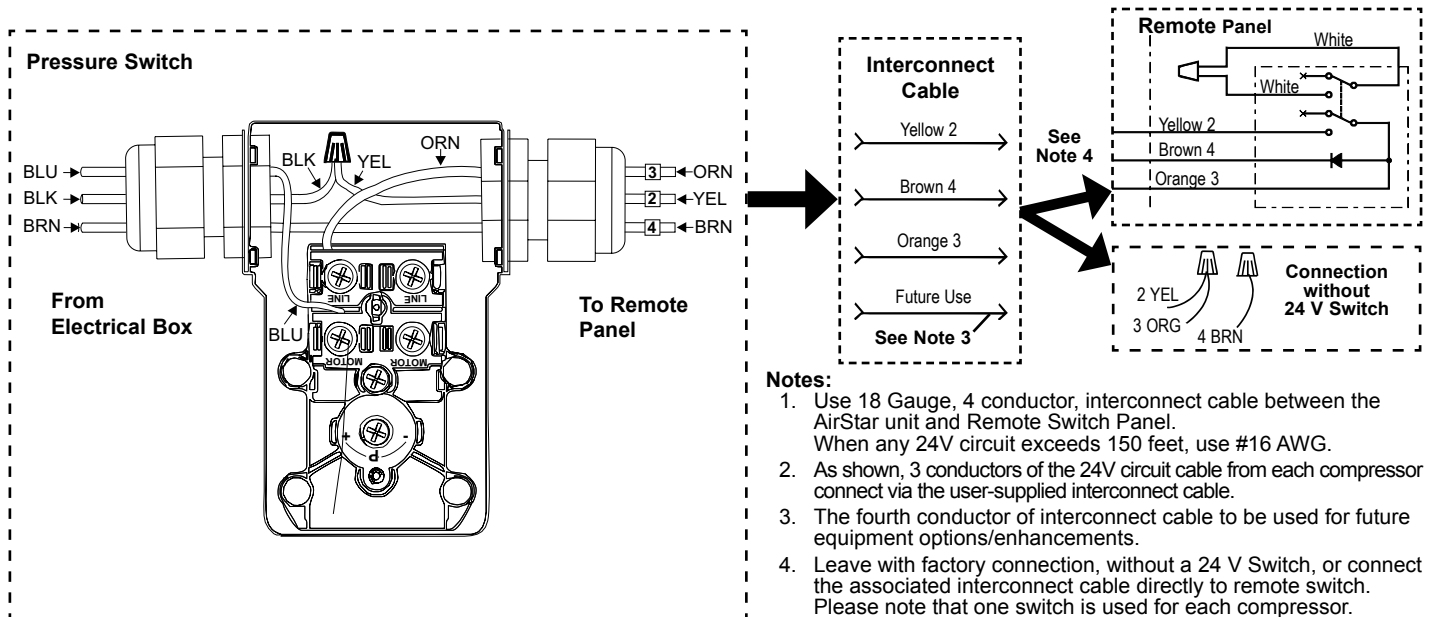
- Must not exceed 105°F
- Must be above 40° F



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	AS21	AS22	AS30	AS50	AS70
Voltage Minimum/Maximum	105/125*	105/125*	200/250*	200/250*	200/250*	200/250*
Full Load Amps in. Circuit	8	15	8	8	16	24
Breaker Rating (Amps)	20	30	20	20	30	40
Minimum Wire Size (AWG)	12	10	12	12	10	8
Watts per Hour	330	640	640	660	1280	1920
BTU per Hour	1,126	2,184	2,184	2,252	4,368	6,552
*If actual facility service is above or below the ratings listed, install a buck/boost transformer with the corresponding part number as shown below.						
Buck/Boost Transformer Part No.	67500 2.0 KVa	67500 2.0 KVa	67002 3.9 KVa	67002 3.9 KVa	67002 3.9 KVa	67002-1 7.8 KVa

All AirStar compressors comply with NFPA 99C level 3 requirements

Product Specifications - Dimensions

		AirStar 10	AirStar 21	AirStar 22	AirStar 30	AirStar 50	AirStar 70
Horsepower/Kilowatts		0.75/0.56	1.5/1.1	1.5/1.1	1.5/1.1	3.0/2.2	4.0/3.3
Voltage Rating		115	115	208/230	208/230	208/230	208/230
Maximum Number of Simultaneous Air Users		2	3	3	4	7	10
CFM (Cubic Ft./Min) @ 80 psi		2.5	5.0	5.0	5.0	10.0	15.0
Pump-up Time 0-115 PSI		2 minutes, 55 secs	3 minutes, 10 secs	3 minutes, 10 secs	3 minutes, 10 secs	2 minutes, 50 secs	2 minutes, 40 secs
Recovery Time 85-115 PSI		48	47	47	47	42	40
Tank Size (cu. ft.) (US Gal.)		0.8 6	1.6 12	1.6 12	1.6 12	2.7 20	4.0 30
Shipping Weight (Approximate lbs)							
No Sound Cover		170	200	200	240	290	430
With Sound Cover		215	240	240	285	335	N/A
Dimensions (inches)							
No Sound Cover	H	28.50	30.50	30.50	30.50	33.50	35.00
	W	25.00	29.00	29.00	29.00	35.50	47.75
	D	19.75	20.00	20.00	20.00	20.50	21.75
With Sound Cover	H	30.00	32.00	32.00	32.00	33.50	
	W	25.00	31.00	31.00	31.00	36.50	N/A
	D	22.50	22.25	22.25	22.25	22.75	

You can obtain more information about Air Techniques' products by visiting our web site at

www.airtechniques.com

Additional installation information is available on our Authorized Air Techniques Dealer web site at

<http://dealers.airtechniques.com>



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www.airtechniques.com

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