

## Operator Preventive Maintenance Checks and Services

### 6520-01-398-4613 Compressor Dehydrator, Dental, Model PAC 6.7

[B-Before Operation, D-During Operation, A-After Operation, Q-Quarterly, and S-Semiannually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	B, D	<p><b>Compressor Dehydrator</b></p> <p>a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.</p> <p>b. Inspect the unit for any damaged or deteriorated hoses, tubes, cables, and other components.</p> <p>c. Inspect the unit for an excessive accumulation of dust or dirt. Ensure intake filter elements are clean and serviceable.</p> <p>d. Inspect muffler on the water separator for serviceability.</p>	<p>Missing interconnecting air hoses, with appropriate connectors, which connect compressor to dental operating and treatment unit.</p> <p>Damaged or deteriorated components prevent operation of the unit.</p> <p>Intake filter elements are unserviceable.</p>
2	B, D	<p><b>Operational Checkout</b></p> <p>a. Observe the pressure gauge.</p> <p>b. Observe that the unloader valve switches and compressor vents to atmosphere.</p> <p>c. Observe that when pressure decreases to 60 psi the unloader valve switches back and compressor pumps for approximately 8 seconds to reach 80 psi.</p> <p>d. Observe that the cycle repeats.</p> <p>e. Verify that the dryness indicator is blue.</p> <p>f. Rotate the four transit cover supports. Place transit case cover on supports.</p>	<p>The unit fails to operate.</p> <p>Pressure does not increase to 80psi in approximately 40 seconds.</p> <p>The unloader valve does not switch or the pressure does not decrease to 60 psi.</p> <p>The unloader valve does not switch or the pressure does not reach 80psi.</p> <p>The cycle does not repeat.</p> <p>The dryness indicator is other than blue.</p>
3	B, D	<p><b>Air Storage Tank</b></p> <p>a. Inspect air tank for leaks, damage, or excessive rust.</p> <p>b. Inspect hoses and ensure that the hoses(s) can be properly connected.</p> <p>c. Ensure pressure relief/drain valve opens and closes properly.</p>	<p>Air tank leaks or damage or rust accumulation precludes operation.</p> <p>The hose(s) cannot be connected to the storage tank.</p> <p>The valve cannot be opened or it leaks when closed.</p>
4	B, D, A	<p><b>Pressure Gauge</b></p> <p>Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.</p>	<p>The pressure gauge does not function.</p>

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5	B, D, A	<b>Dryness Indicator</b> a. Inspect for dents, a cracked or missing indicator cover, or the lack of any color indication.  b. Ensure that the indicator is blue.	The damaged indicator prevents operation of the unit.  The dryness indicator is other than blue.
6	S	<b>Case</b> a. Inspect the case for signs of excessive wear.  b. Check the air relief valve.	