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Stanley D200/8/24

Stanley D200/8/24 Air Compressor User Manual

Model: D200/8/24

1. IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this air compressor. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Ensure the power supply matches the compressor's voltage (230V AC). Do not operate in wet conditions. Always use a properly grounded outlet.
- **Pressure Safety:** Never exceed the maximum operating pressure of 8 bars. Do not tamper with the pressure relief valve. Always wear eye protection when operating.
- **Personal Safety:** Keep children and bystanders away. Do not wear loose clothing or jewelry that could get caught in moving parts.
- **Operating Environment:** Use the compressor in a well-ventilated area. Do not operate near flammable liquids or gases.
- **Maintenance:** Disconnect from power before performing any maintenance or adjustments. Regularly inspect for damage.

2. PRODUCT OVERVIEW

The Stanley D200/8/24 is a portable air compressor designed for various tasks around the home, garage, and workshop. It features a 24-liter tank, a 1.5 HP motor, and a maximum pressure of 8 bars, making it suitable for tire inflation, operating small pneumatic tools, and other general air applications.



Figure 2.1: Front view of the Stanley D200/8/24 Air Compressor, showing the yellow tank, black motor housing, and wheels.

Key Features:

- **Portable Design:** Equipped with wheels and a handle for easy transport.
- **Versatile Use:** Ideal for inflating tires, operating air tools, and general cleaning.
- **Pressure Regulation:** Allows for precise control of output air pressure.
- **Durable Construction:** Built with a robust iron tank for longevity.

3. SETUP INSTRUCTIONS

Follow these steps to prepare your Stanley D200/8/24 air compressor for first use.

1. **Unpacking:** Carefully remove the compressor and all components from the packaging. Inspect for any shipping damage.
2. **Attach Wheels and Feet:** Securely attach the wheels to the axle and the rubber feet to the designated points on the tank. Ensure all fasteners are tightened.
3. **Check Oil Level (if applicable):** This model is typically oil-lubricated. Refer to the oil sight glass or dipstick. If low, fill with appropriate compressor oil to the recommended level.
4. **Connect Air Filter:** Attach the air filter to the intake port. This protects the pump from dust and debris.
5. **Positioning:** Place the compressor on a firm, level surface in a well-ventilated area, away from walls or obstructions to allow for proper airflow.
6. **Power Connection:** Connect the power cord to a grounded 230V AC electrical outlet. Ensure the power switch is in the 'OFF' position before plugging in.



Figure 3.1: Side view of the Stanley D200/8/24 Air Compressor, illustrating its portable design with wheels and handle, ready for setup.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your air compressor.

- 1. Initial Start-up:** With the power cord connected and the air filter installed, turn the power switch to the 'ON' position. The compressor will start to fill the tank.
- 2. Pressure Build-up:** Allow the compressor to run until it reaches its maximum pressure (8 bars) and automatically shuts off. This indicates the tank is full.
- 3. Connect Air Hose and Tool:** Attach your air hose to the quick-connect coupler. Then, connect your desired pneumatic tool or inflation accessory to the other end of the hose.
- 4. Adjust Output Pressure:** Use the pressure regulator knob to set the desired working pressure for your application. The pressure gauge will display the regulated output pressure.
- 5. Begin Operation:** Once the pressure is set, you can begin using your air tool or inflating. The compressor will cycle on and off automatically to maintain tank pressure.
- 6. Shut Down:** When finished, turn the power switch to the 'OFF' position. Disconnect the air tool and hose.

7. **Drain Tank:** Always drain the moisture from the air tank after each use by opening the drain valve located at the bottom of the tank. This prevents rust and extends tank life.



Figure 4.1: Close-up of the control panel on the Stanley D200/8/24 Air Compressor, showing the pressure gauge, regulator knob, and power switch.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your air compressor. Always disconnect the compressor from the power source before performing any maintenance.

- **Daily: Drain Air Tank:** Open the drain valve at the bottom of the tank to release accumulated moisture. Close the valve once all moisture is expelled.
- **Weekly/After 10 Hours of Use: Check Oil Level (if applicable):** Ensure the oil level is between the minimum and maximum marks on the dipstick or sight glass. Add appropriate compressor oil if needed.
- **Monthly/After 50 Hours of Use: Clean Air Filter:** Remove the air filter element and clean it with compressed air or replace it if heavily soiled. A clogged filter reduces efficiency.
- **Periodically: Inspect for Leaks:** Check all connections, hoses, and fittings for air leaks. Tighten any loose connections.
- **Annually: Replace Oil (if applicable):** Drain old oil and refill with new compressor oil according to manufacturer specifications.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your air compressor.

Problem	Possible Cause	Solution
Compressor does not start	No power, tripped circuit breaker, faulty switch	Check power connection, reset breaker, inspect switch.
Low air pressure/slow pressure build-up	Air leaks, clogged air filter, worn piston rings	Check for leaks, clean/replace air filter, contact service for repair.
Compressor runs continuously	Air leaks, faulty pressure switch	Locate and fix air leaks, replace pressure switch.
Excessive noise or vibration	Loose components, worn bearings, insufficient oil	Tighten loose parts, check oil level, contact service for inspection.
Moisture in air line	Tank not drained regularly	Drain the air tank after each use. Consider an inline air dryer for sensitive applications.

7. SPECIFICATIONS

Detailed technical specifications for the Stanley D200/8/24 Air Compressor.

Specification	Value
Model Number	D200/8/24
Manufacturer	Stanley outillage - Tools - FR
Dimensions (L x W x H)	56 x 24 x 43 cm

Specification	Value
Weight	17 Kilograms
Tank Capacity	24 Liters
Voltage	230 Volts (AC)
Horsepower (HP)	1.5 HP
Maximum Power	1.5 Horsepower
Air Flow Capacity	180 Liters per minute
Maximum Pressure	8 Bars
Hose Length	1.5 Meters
Power Type	Electric Cable
Special Feature	Portable
Included Components	Air receiver tank
Country of Origin	China

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Stanley website. Warranty terms and conditions may vary by region and retailer.

For technical support, spare parts, or service inquiries, please contact Stanley customer service through their official website or the contact details provided in your product packaging. When contacting support, please have your model number (D200/8/24) and purchase date available.