

Application Case

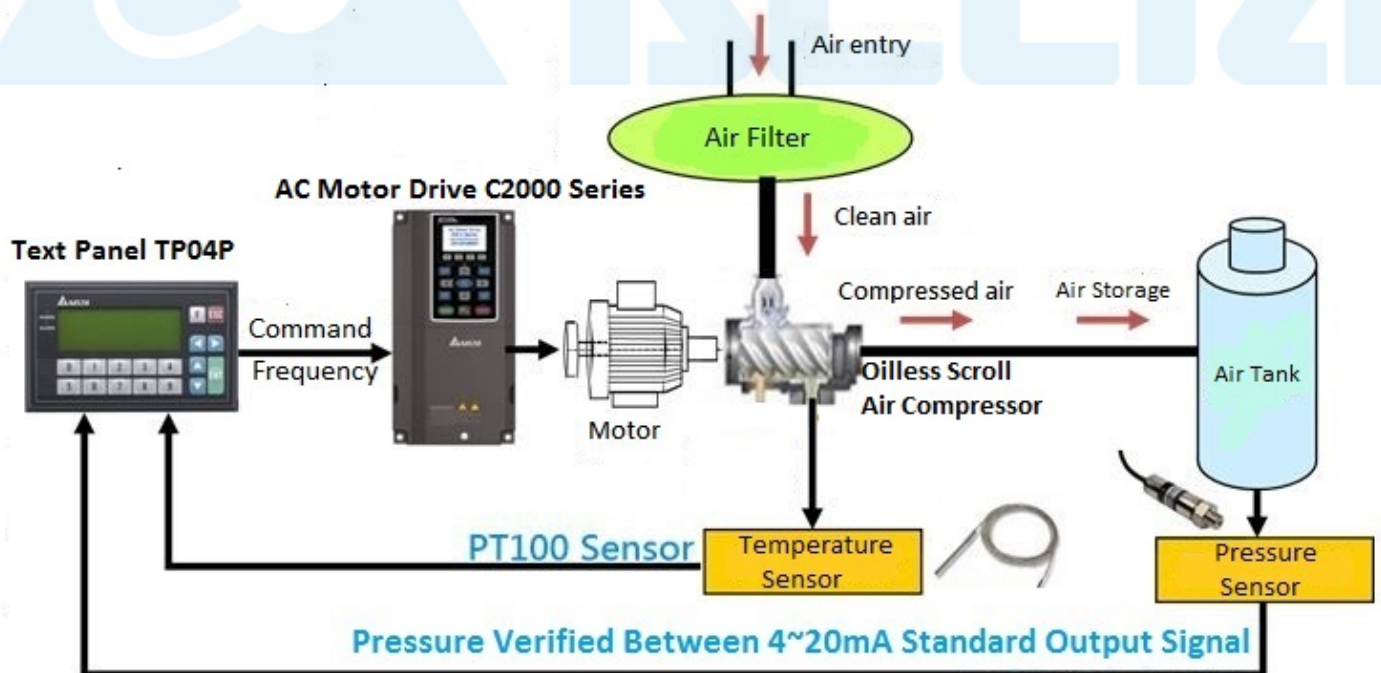
Case	Delta Industrial Automation Products for Oilless Scroll Air Compressors				
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Applicable to	AC Motor Drive C2000 Series				
Key words	Air compressor, oilless, scroll, AC Motor Drive, C2000, TP04P				

Delta industrial automation provides a high efficiency solution for oilless scroll air compressors by adopting the Delta AC Motor Drive C2000 Series and Text Panel TP04P Series with built-in PLC function.

[Application Introduction]

Unlike traditional air compressors that use oil injected designs to remove heat during the compression process, oilless scroll air compressors adopt Delta's AC motor drive C2000 Series to control cooling fans for heat dissipation. This type of advanced air compressor finds application in industries such as health care, food and beverages, and the precision industrial equipment and technology fields for a higher standard 'oil-less' and clean air environment.

[System Structure]



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Application Case

Industrial Automation BG, Delta Electronics, Inc.

The Delta Text Panel TP04P Series provides a user-friendly interface with 0~9 numeric keys and user-defined functions. With the built-in PLC function of the TP04P Series, the system is capable of collecting information from temperature sensors on oilless scroll air compressors and pressure sensors on air tanks. The Text Panel TP04P executes logistic calculation and sends commands to the AC Motor Drive C2000 Series to control the compressor motors. Delta's AC Motor Drive C2000 Series and Text Panel TP04P Series effectively enhance the efficiency and functionality of oilless scroll air compressors.

- **Delta's Text Panel TP04P Series** provides functions including data collection, logistics control, a user-friendly interface, data display, and alarm delivery.
- **Delta's AC Motor Drive C2000 Series** controls and adjusts motor speed, reduces maintenance and noise, lowers temperature, and is energy efficient, while extending the life cycle of motors.

For more information on Delta's industrial automation products, please visit our website

at: <http://www.deltaww.com/Products/CategoryListT1.aspx?CID=06&hl=en-US>



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