



Variable Speed Drive Full Featured Air Compressor

7 kW – 22 kW | 15–118 cfm

Clean, dry compressed air delivered efficiently in a compact, all-in-one package.

www.anest-iwata.com.au

FULL FEATURE VARIABLE SPEED ROTARY SCREW COMPRESSOR

Your compressed air system should work quietly, efficiently, and without compromise. The Anest Iwata VSD FF Series combines a variable speed rotary screw compressor, refrigerated air dryer, large-capacity air receiver, and four-stage filtration into a single, compact solution – delivering clean, dry air while reducing energy consumption and installation complexity.

Unlike base-mounted compressors requiring multiple external components, the Anest Iwata VSD FF Series is delivered as a fully integrated compressed air system.

- Built-in refrigerated dryer for moisture control and equipment protection, keeps the dew point down to 3-6°C, removing moisture from the compressed air.
- Integrated 400 litre air receiver to stabilise pressure and reduce cycling.
- Four-stage filtration system delivering clean, dry compressed air from the point of generation, removing particles down to 0.03 ppm.

This integrated approach reduces installation time, footprint, and leak points while improving air quality and overall system efficiency.

TECHNICAL SPECIFICATIONS

Model	Pressure Rating	Rated Motor Power		Output		Dimensions	Weight	Connection
	Bar	Kw	Hp	CFM	m3/min			
PS.2S10FF	8	7	10	15-40	0.45-1.15	115 x 70 x 103	380	1"
PS.2S10FF.10	10	7	10	20-33	0.57-0.95	115 x 70 x 103	380	1"
PS.2S15FF	8	11	15	24-60	0.69-1.7	115 x 70 x 103	380	1"
PS.2S15FF.10	10	11	15	26-52	0.75-1.5	115 x 70 x 103	380	1"
PS.2S20FF	8	15	20	30-81	0.85-2.3	1200 x 87 x 116	380	1 1/2"
PS.2S20FF.10	10	15	20	35-70	1.0-2.0	1200 x 87 x 116	380	1 1/2"
PS.2S30FF	8	22	30	30-120	0.85-3.4	135 x 854 x 116	450	1 1/2"
PS.2S30FF.10	10	22	30	24-105	0.7-3.0	135 x 854 x 116	450	1 1/2"

ADVANCED VSD SCREW TECHNOLOGY

- **Permanent Magnet VSD Motor** – Lubricant-cooled, IP65 rated for high efficiency and durability
- **Maintenance-Free Inlet Valve** – Zero blow-down loss, high vacuum performance, low unloaded power consumption
- **Japanese-Designed Airend** – Optimised screw profile for long-term reliability and efficiency
- **VSD-Controlled Cooling Fan** – Low noise, high cooling capacity, reduced power consumption
- **Inovance Inverter** – Wide voltage tolerance, C3 EMC compliant, integrated DC reactor
- **High-Efficiency Air Filtration** – 99.9% efficiency, captures particles down to 0.3 micron
- **Fine Oil Filtration** – Oil carryover control to 0.1 micron for clean, stable operation
- **Oversized Cooling System** – Corrosion-resistant, easy access, superior heat dissipation
- **Integrated Air/Oil Separation** – Oil carryover <3 ppm, pressure loss <0.02 MPa
- **All-Steel Internal Pipework** – Leak-resistant design with minimal pressure loss

ADVANCED INNOVANCE INVERTER CONTROL PLATFORM



All models are equipped with a state-of-the-art Inovance inverter touchscreen controller, providing intuitive system control and real-time operating visibility.

Inovance High-Performance Inverter

- Wide voltage tolerance for stable operation
- EMC-compliant design suitable for industrial environments
- Integrated DC reactor for improved power quality
- Independent cooling airflow for reliable performance
- Robust enclosure designed for continuous duty applications



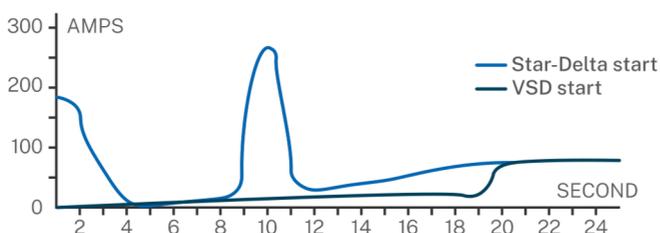
Intelligent Touchscreen Controller

The full-colour touchscreen controller provides clear system visibility and intuitive operation.

- 7" display with real-time operating and maintenance data
- Energy-saving control modes
- Alarm history and service reminders to support preventative maintenance
- Remote monitoring and communication via RS485 / RS422 / Ethernet

PURE SOFT START SYSTEM AS STANDARD

Soft-start system reduces the electric current during start-up



Traditional fixed-speed compressors can draw up to 3.5 times their rated current during start-up.

The VSD FF Series features pure soft-start technology as standard, ensuring the starting current never exceeds the rated motor value – reducing electrical stress and improving system stability.

SERVICE AND AFTER CARE SUPPORT



Why choose Anest Iwata?

With decades of industry experience across all makes and models of compressed air equipment, Anest Iwata delivers reliable, end-to-end support. Our certified technicians operate to the highest standards, providing 24/7 assistance and tailored solutions designed to meet your specific operational requirements.

Routine Maintenance Services

- Screw Compressors
- Piston Compressors
- Scroll Compressors
- Oil Free Compressors
- Inline Filtration
- Oil Water Separators
- Air Dryers

Repair & Replacement Services

- 24/7 Emergency Breakdown Service
- Compressor Repair Service
- Pipework Installations
- Air Compressor Rentals
- Air End Rebuilds
- New Compressor Replacements
- Refurbished Compressor Replacements

Complete Diagnostic Services

- Air Quality Testing
- Air Receiver Inspections
- Leak Detection
- Free On Site Inspections

HEAD OFFICE

1300 277 729
service@anest-iwata.com.au

VICTORIA

23 Jarrah Drive, Braeside, 3195
 0410 621 284
compressorsvic@anest-iwata.com.au

NEW SOUTH WALES

32/71 Kurrajong Avenue, Mt Druitt, 2770
 0423 585 817
compressorsnsw@anest-iwata.com.au



Head Office