

10 & 15 HP



C SERIES 10HP / 15HP

ROTARY SCREW AIR COMPRESSORS

- › **100% Duty Cycle Operation**
Ideal for Continuous-Use Applications
- › **Powerful, Efficient Delivery**
Variable Speed or Fixed Speed Belt Drive
- › **Innovative Design**
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- › **Integrated Air After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 Controller**
Advanced Control Solution



Built Better



C SERIES 10HP / 15HP

ROTARY SCREW AIR COMPRESSORS

These heavy-duty, high-performance & high-efficiency rotary screw air compressors operate at a 100% duty cycle and are ideal for continuous-use applications where reliable, dry, clean air is required.

Innovative component integration results in a compact, quiet air system engineered for efficiency and performance, providing high capacity air delivery and stable system pressure with minimal installation space.

The C10 features fixed speed, belt drive technology and efficiently delivers 39 SCFM at 145 psi. The C15 features variable or fixed speed, belt drive technology and efficiently delivers 57 SCFM at 145 psi.

VARIABLE SPEED DRIVE (VSD)

The VSD integrates a robust frequency inverter with the CSC300 controller to ensure energy efficiency, proving energy savings of up to 25%. The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in an air compressor that is extremely economical and energy efficient.

ELIMINATING ARTIFICIAL DEMAND

The VSD's Pressure Tracking controls ensure that energy-use is optimized by producing only as much air as is needed at set pressure, avoiding artificial demand - the cost of over-pressurization is eliminated by tracking pressure multiple times each second.

ELIMINATING CURRENT SPIKES

The VSD starts the motor with a gradual speed increase, eliminating in-rush current spikes on start-up and further contributing to the overall energy-efficiency of operation.

VSD SAFETY

The VSD also integrates numerous power monitoring and fault protection technologies, such as: Integrated EMC filter, line reactor, phase loss and overload protection.

FIXED SPEED, BELT DRIVE

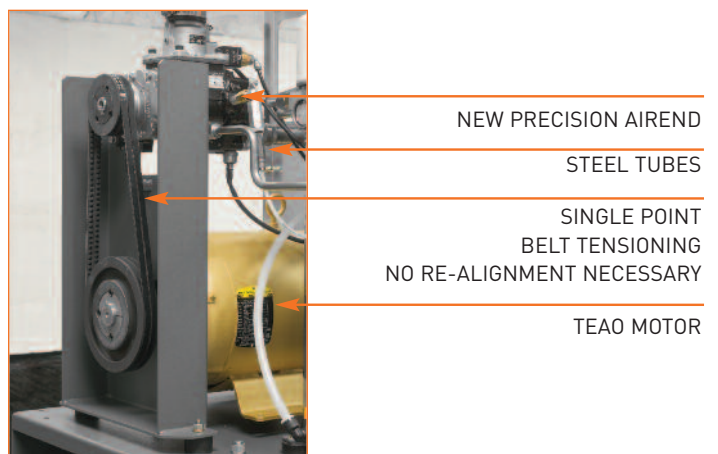
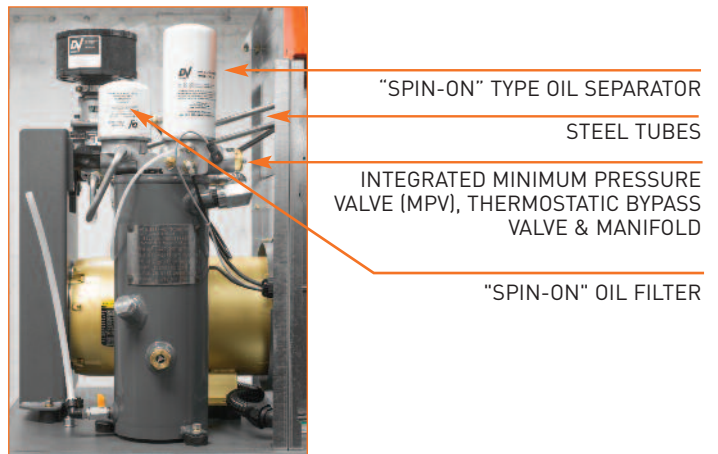
Ideal for continuous-use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the airend, the fixed speed, belt drive provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.

LONG LIFE EXPECTANCY AIRENDS

Powerful oil bathed airends with no metal-to-metal contact are designed to offer the longest trouble-free performance when serviced according to our recommendations.

SOLID & SILENT

Engineered to effectively minimize noise levels and withstand the wear-and-tear of industrial environments for years. DV's rotary screw air compressors are designed with solid steel base frames and floors, powder coated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with an oil-resistant coating.





AIRSYSTEM THE COMPLETE SOLUTION

The Complete Solution

The C Series AirSystem offers a complete solution for your entire compressed air system requirements, providing clean, dry, compressed air.

The AirSystem includes:

- › A Microprocessor controlled ASD40 (10HP) or ASD60 (15HP) ProDry™ Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain
- › A Heavy-Duty Aluminum Pre-Filter Housing with a 3-Micron Filter Element
- › 120 Gallon Air Receiver - Built to ASME Codes & CRN Registered
- › C Series Air Compressor

DRYTANK™

Clean, Dry Compressed Air

A unique compressed air system configuration developed by DV Systems delivering clean, dry compressed air continuously, consistently and directly to the air receiver by employing the combination of a filter and dryer.

A DryTank Configuration ensures that the tank is virtually dry, achieving not only an unprecedented level in the abatement of corrosion, but also maximizes the capacity of the tank for its intended use – to store and provide continuously cool, clean and dry air for your required applications, reliably and consistently.

CSC 300 CONTROLLER

The CSC300 effectively manages, monitors and maintains optimal operational parameters to ensure stable system pressure and reliable operation of DV's rotary screw air compressors.

FEATURES

- › Optional Sequencing - Up to 8 Compressors
- › Web-Enabled System Control - Optional
- › Remote Stop/Start Operation
- › Microprocessor control for load/no-load and auto shut-off
- › Real Time Clock with Pressure Schedule
- › Current (Amperage) Draw Display
- › Remote Fault Signals & Power Restart Capability
- › Service Maintenance Reminder
- › Configurable Digital Inputs (Optional)
- › 8 Relay Outputs (4 Configurable)

Optional Sequencing Mode

Controls target system pressure within fine limits to reduce generating costs, and ensures that air compressors are employed in the most efficient combination to suit a fluctuating air demand pattern. Our air compressor sequencing module is capable of controlling up to eight air compressors site-wide.



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ROTARY SCREW AIR COMPRESSORS

> BASE MOUNTED

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)		Weight Lbs
			145 psi	Height	Width	Depth	
C15VSD	15	69 dBA	57	36 3/4	38 3/4	26 1/2	591
C15	15	69 dBA	57	36 3/4	38 3/4	26 1/2	550
C10	10	65 dBA	39	36 3/4	38 3/4	26 1/2	526

> TANK MOUNTED & AIRSYSTEM PACKAGES

Model	HP	Sound Nominal	S.C.F.M.		Dimensions (inches)		Weight Lbs
			145 psi	Height	Width	Depth	
C15TDVSD	15	69 dBA	57	62 1/8	80 3/8	26 1/2	1080
C15TVSD	15	69 dBA	57	62 1/8	77	26 1/2	992
C15T	15	69 dBA	57	62 1/8	77	26 1/2	951
C15TD	15	69 dBA	57	62 1/8	80 3/8	26 1/2	1040
C10T	10	65 dBA	39	62 1/8	77	26 1/2	936
C10TD	10	65 dBA	39	62 1/8	80 3/8	26 1/2	1010

Standard pressure setting is 145 psi

125+ YEARS OF MANUFACTURING EXCELLENCE

DV Systems is a designer of high-performance, high-efficiency compressed air systems - we have been engineering and manufacturing industrial air compressors since 1954 and our commitment to a culture of innovation dates back 125 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

FOR MORE INFORMATION VISIT
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> SPECIFICATIONS

PERFORMANCE

Power 10 HP, 15 HP

ELECTRICAL

Premium-Efficiency TEAO Industrial Motor

Motor RPM: 1770 RPM (10 HP), 3450 RPM (15 HP)

Three Phase:

10 HP: 200V / 29.5A, 230V / 25.6A, 460V / 12.8A,
575V / 10.8A, 60Hz

15HP: 200V / 38A, 230V / 33A, 460V / 16.6A, 575V / 13.2A

15HP VSD: 200V / 38A, 230V / 33A, 460V / 16.6A,
575V / 13.2A, 60Hz

Class F Insulation

CONFIGURATIONS

AirSystem

C10TD Air Receiver (120 Gal) & Pre-Filter & Air Dryer

C15TD Air Receiver (120 Gal) & Pre-Filter & Air Dryer

Tank Mounted

C10T & C15T Air Receiver (120 Gal)

Base Mounted

C10/C15/C15VSD

ATTENTION: TO MAINTAIN WARRANTY PLEASE USE ONLY ORIGINAL SERVICE PARTS AND OFFICIAL DV SYSTEMS MAINTENANCE KITS. AS WE ARE COMMITTED TO CONTINUOUS IMPROVEMENT AND INNOVATION OF OUR PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.



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