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5 HP



A5
5HP

ROTARY SCREW AIR COMPRESSORS

- › **Extremely Quiet**
Work Comfortably and Safely
- › **Work Uninterrupted 24/7**
100% Duty Cycle (Continuous Use)
- › **Easy to Operate**
Simple to Use CSC15 Controller
- › **Easily Serviceable**
Innovative Design and Component Integration
- › **Available as A5T** (Tank-mounted) or
AirSystem A5TD (60 Gal. Air Receiver, Air Dryer & Pre-Filter)
- › **5 Year Limited Warranty**



Built Better



A5
5HP

ROTARY SCREW AIR COMPRESSORS

Quiet, compact & bullet proof The 5 HP A5 rotary screw air compressor is ideal for the demands of automotive repair & body shops. A 100% duty cycle allows you to work comfortably 24/7 without worrying about air supply. An enclosed rotary screw design means you won't have to hear your air compressor pounding away all day long. Its compact size allows you to install it anywhere, and installation and maintenance are simple. Best of all, it's affordable.

FIXED SPEED, BELT DRIVE WITH AUTOMATIC TENSIONING

Ideal for continuous-use applications, the fixed-speed belt-drive system provides maximum flexibility in pressure selection and features automatic belt tensioning.

SOLID & SILENT

Designed with solid steel base frames and floors, powder-coated, heavy gauge, acoustically insulated steel cabinets and sound attenuating foam barriers.

ACCESSORIES

DV Remote Start Kit Part # DSC-002852

Control and monitor your air compressor from anywhere in your shop with our rugged DV remote panel. The large, bright indicator lights allow you to easily see whether the air compressor is turned on or if there is any service required. The keyed switch ensures safety and security in controlling your air compressor. The durable polycarbonate enclosure is water and dust proof.

Electronic Zero Loss Auto Drain Part # KK-9860

An electronic drain ensures that any potential condensate is discharged from the air receiver tank regularly and automatically, optimizing system performance.

Installation Kit Part # IK1515

Maintenance Kit Part # MK-A5

AirSystem A5TD (60 Gal. Air Receiver, Air Dryer & Pre-Filter)



SPECIFICATIONS

ELECTRICAL

Power 5 HP

Delivery 16 SCFM at 145 psi

Sound 65 dBA

Drive Technology Fixed Speed, Belt Drive with Auto-Tensioning

ODP (Open Drip Proof) Direct Online Start

Motor RPM 1740

Single-Phase 230V/60

CONFIGURATIONS

A5T Tank Mounted (60 Gal. Air Receiver)

A5TD Tank Mounted (60 Gal. Air Receiver) plus ASD15 Air Dryer and 1 micron Pre-Filter

CSC15 CONTROLLER

The controller features an hour meter with power and fault indicator lights:

- › Fault indicator light flashes at different intervals to communicate different faults
- › Service reminder indication with service reset
- › Power interruption protection
- › Anti-rotation protection
- › High-temperature limit protection
- › Optional remote start-stop
- › Programmable relay output for run, load & fault status

AVAILABLE MODELS

PART#	MODEL	HP	SOUND	SCFM 145 PSI	Motor Amp	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
S-002510	A5T	5	65 dBA	16	23	43 5/8"	53 5/8"	21"	420
S-002520	A5TD	5	65 dBA	16	23	43 5/8"	52"	21"	560

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5 & 7.5 HP



THE B-SERIES AIRSYSTEM 5HP / 7.5HP ROTARY SCREW AIR COMPRESSORS

- › **Powerful, Efficient Delivery**
Large Size Airend, Low RPM
- › **100% Duty Cycle Operation**
Ideal for 24/7 Continuous Use Applications
- › **Innovative Design**
Compact, Quiet
- › **Integrated Air After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- › **5 Year Limited Warranty**



Built Better



THE B SERIES AIRSYSTEM

5HP / 7.5HP

ROTARY SCREW AIR COMPRESSORS

These heavy-duty, high-performance & high-efficiency rotary screw air compressors are ideal where reliable, dry, clean compressed air is required. Innovative component integration results in a compact, quiet air system engineered for efficiency & performance with minimal installation space.

THE COMPLETE AIRSYSTEM SOLUTION

The AirSystem includes:

- › Microprocessor controlled ASD15/30 ProDry Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain.
- › All Aluminum Die-Cast Pre-Filter Housing & 1 Micron Filter Element
- › 80 Gallon Air Receiver - Built to ASME Codes & CRN Registered.
- › B Series Air Compressor.

ACCESSORIES

DV Remote Start Kit Part # DSC-002851

Control and monitor your air compressor from anywhere in your shop with our rugged DV remote panel. The large, bright indicator lights allow you to easily see whether the air compressor is turned on or if there is any service required. The keyed switch ensures safety and security in controlling your air compressor. The durable polycarbonate enclosure is water and dust proof.

Electronic Zero Loss Auto Drain Part # KK-9860

An electronic drain ensures that any potential condensate is discharged from the air receiver tank regularly and automatically, optimizing system performance.

Maintenance Kit Part # MK-B57

SPECIFICATIONS

ELECTRICAL

ODP (Open Drip Proof) Direct Online Start

Motor RPM 1740

Single-Phase 230V/60

3-Phase 200V/60, 230V/60, 460V/60 & 575V/60

CONFIGURATIONS

AirSystem B5TD & B75TD (80 Gal. Air Receiver, Air Dryer & Pre-Filter)

Tank Mounted B5T & B75T (80 Gal. Air Receiver)

Base Mounted B5 & B75

SOLID & SILENT

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.

ENGINEERED FOR EFFICIENCY

Featuring oversized, slow speed, long-life & high-efficiency airends. The simplified, reduced-component, encapsulated design of the airend enhances reliability and contributes to the B Series' silent & efficient operation. All models include a built-in air aftercooler.

AVAILABLE MODELS

MODEL	HP	SOUND	SCFM 145 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
B5	5	63 dBA	18	29 5/8"	34"	21"	378
B7.5	7.5	66 dBA	27	29 5/8"	34"	21"	404
B5T	5	63 dBA	18	45 1/2"	67 3/4"	21"	657
B7.5T	7.5	66 dBA	27	45 1/2"	67 3/4"	21"	685
B5TD	5	63 dBA	18	45 1/2"	67 3/4"	21"	687
B7.5TD	7.5	66 dBA	27	45 1/2"	67 3/4"	21"	715

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10HP



B10 AIRSYSTEM 10HP VARIABLE SPEED, DIRECT DRIVE ROTARY SCREW AIR COMPRESSOR

- › **Revolutionary Single-Phase Design**
Enabling Installations in Locations
Previously Uneconomical or Impossible
- › **Energy-Efficient Performance**
Variable Speed, Direct Drive
- › **100% Duty Cycle Operation**
- › **Integrated Air After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 Controller**
Advanced Control Solution



Built Better



B10 AIRSYSTEM 10HP / SINGLE-PHASE ROTARY SCREW AIR COMPRESSORS

Featuring an extremely low maximum 55 Amp draw enabling installations in locations previously uneconomical or impossible, these heavy-duty, high-performance & high-efficiency rotary screw air compressors operate at a 100% duty cycle and are ideal for 24/7 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. B10 Rotary Screw Air Compressor features energy saving variable-speed, direct drive technology and efficiently delivers 37 SCFM at 145 PSI.

VARIABLE SPEED DRIVE (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, providing energy savings of up to 25%.

ELIMINATING ARTIFICIAL DEMAND

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, further contributing to the overall energy-efficiency of operation.

VSD SAFETY

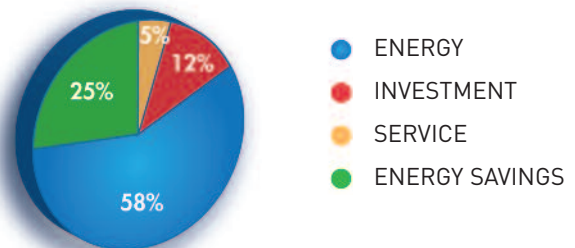
The VSD also integrates numerous power monitoring and fault protection technologies, such as: Integrated EMC filter, line reactor, phase loss and overload protection.

1:1 DIRECT DRIVE

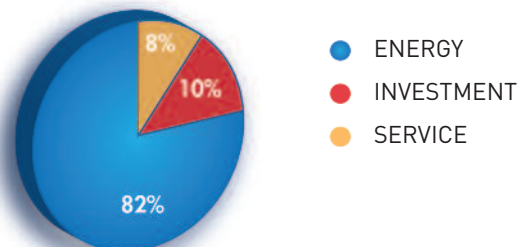
DV Systems' one-to-one direct-drive technology enables efficient power transmission and optimizes power consumption, providing more air with less energy.

Our drive connects the motor directly to the high-efficiency airend with a low maintenance jaw in-shear coupling, providing maximum transmission efficiency and durability in use.

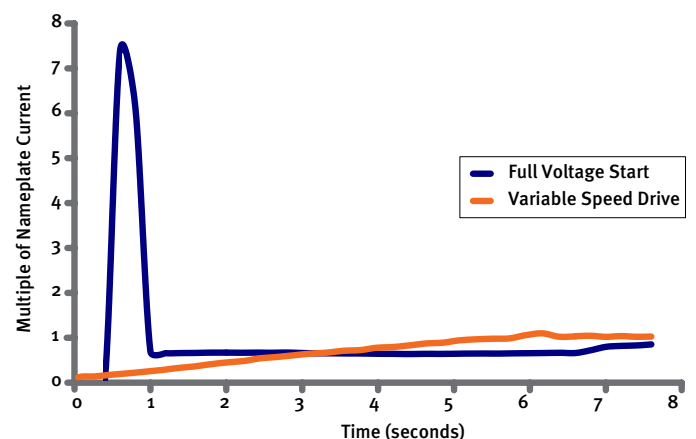
> VSD INSTALLATION

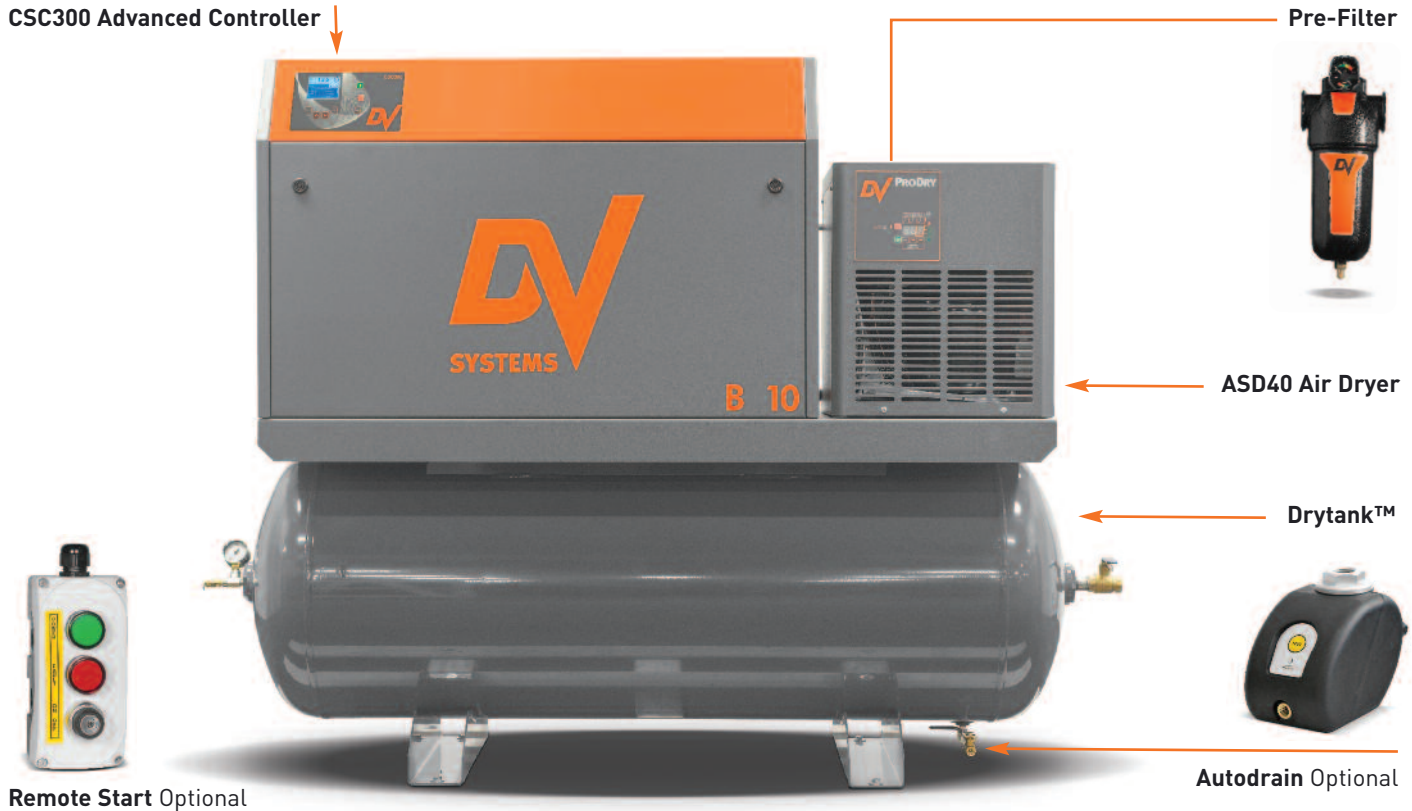


> TYPICAL INSTALLATION



Starting Current for Full Voltage Start and Variable Speed Drive Units





AIRSYSTEM

The Complete Solution

The B10 AirSystem offers a complete solution for your entire compressed air system requirements, providing clean, dry, compressed air.

The AirSystem includes:

- › Microprocessor controlled ASD40 ProDry® Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain
- › All Aluminum Die-Cast Pre-Filter Housing with 1-Micron Filter Element
- › 80 Gallon Air Receiver - Built to ASME Codes & CRN Registered.
- › B10 Air Compressor

DRYTANK™

Clean, Dry Compressed Air

A unique compressed air system configuration developed by DV Systems reliably delivering clean, dry compressed air to the air receiver by treating it first with a 1 micron pre-filter and air dryer.

This 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.

CSC 300 CONTROLLER

The Advanced CSC 300 Control Solution features the option of sequencing up to 8 compressors, optimizing system performance & efficiency.



FEATURES

- › Optional Sequencing - Up to 8 Compressors
- › Web-Enabled System Control - Optional
- › Remote Stop/Start Operation
- › 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)



B10 AIRSYSTEM 10HP / SINGLE-PHASE ROTARY SCREW AIR COMPRESSORS

MODEL	HP	SOUND	SCFM 145 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
B10TDVSD	10	68 dBA	37	51"	65 1/2"	24"	870
B10TVSD	10	68 dBA	37	51"	65 1/2"	24"	722

ACCESSORIES

DV Remote Start Kit Part # DSC-002851

Control and monitor your air compressor from anywhere in your shop with our rugged DV remote panel. The large, bright indicator lights allow you to easily see whether the air compressor is turned on or if there is any service required. The keyed switch ensures safety and security in controlling your air compressor. The durable polycarbonate enclosure is water and dust proof.

Electronic Zero Loss Auto Drain Part # KK-9860

An electronic drain ensures that any potential condensate is discharged from the air receiver tank regularly and automatically, optimizing system performance.

Maintenance Kit Part # MK-B57



DV Series Air Filters



Refrigerated Air Dryer

SPECIFICATIONS

PERFORMANCE

Power 10 HP

ELECTRICAL

Premium-Efficiency TEFC Industrial Motor

Motor RPM: 3450 RPM

Single Phase: 230V / 55A / 60Hz

3-Phase: 200V / 38A, 230V / 35A, 460V / 15A, 575V / 12A, 60Hz

Class F Insulation

CONFIGURATIONS

AirSystem B10TDVSD Includes pre-filter & air dryer

Tank Mounted B10TVSD (80 Gal. air receiver)

ENGINEERED FOR EFFICIENCY

The simplified, reduced-component, encapsulated design of the airend enhances reliability and contributes to the B Series' silent and efficient operation.

SOLID & SILENT

Engineered to effectively minimize noise levels, DV's rotary screw air compressors are designed with solid steel base frames and floors and powder-coated, heavy-gauge, acoustically insulated steel cabinets.

FOR MORE INFORMATION VISIT DVSYSTEMS.COM

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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
- › **5 Year Limited Warranty**
Rugged Construction & Long Life



Built Better



C SERIES 10HP / 15HP ROTARY SCREW AIR COMPRESSOR

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.

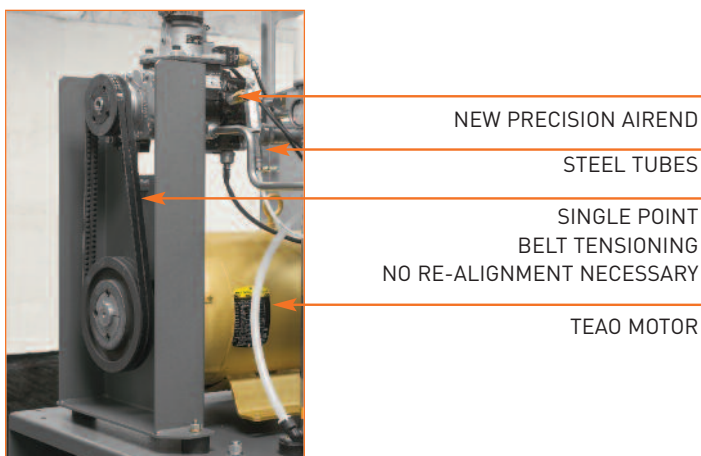
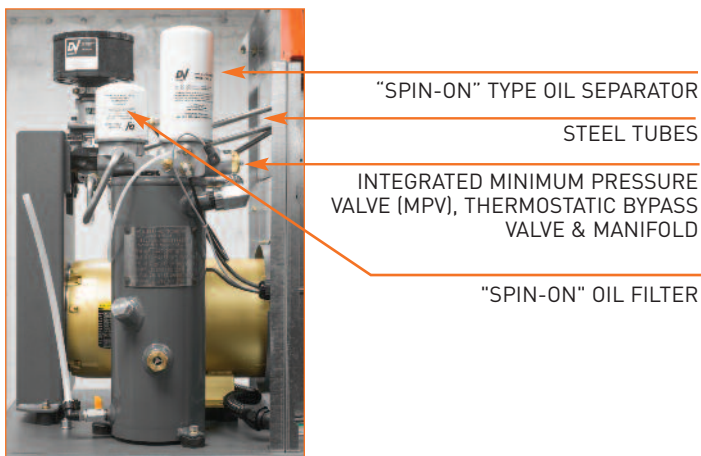
LONG LIFE EXPECTANCY AIRENDS

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 1-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 air 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.



C SERIES 10HP / 15HP ROTARY SCREW AIR COMPRESSOR

› BASE MOUNTED

Model	HP	Sound Nominal	S.C.F.M. 145 psi	Height	Dimensions (inches) Width	Depth	Weight Lbs
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. 145 psi	Height	Dimensions (inches) Width	Depth	Weight Lbs
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

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20-30 HP

G20/G25/G30 G20VSD/G25VSD/G30VSD

ROTARY SCREW
AIR COMPRESSOR



- > **100% Duty Cycle Operation**
Ideal for Continuous-Use Applications
- > **Innovative Reduced-Component Design**
Engineered for Efficient Performance, Increased Reliability & Durability
- > **Integrated Air Cooled After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- > **4.3" Color Touchscreen Microprocessor Controller**
Governor State-of-the-Art Compressor Control System
- > **5-Year Limited Warranty**
Rugged Construction & Long Life



Built Better

G20-30/G20-30VSD

20-30HP

ROTARY SCREW AIR COMPRESSOR

The G Series features an innovative reduced-component, integrated airend design centered around reliable delivery, durability and efficiency. The G Series is robust, yet quiet and compact – an air system engineered for efficiency & reliable performance providing high-capacity air delivery and stable system pressure with minimal installation space.

The G Series' small footprint and front-loading fork-lift slots make these air compressors more versatile and easier to install.

The G Series is engineered with stainless steel tubing for increased durability. The inverter is equipped with EMC filters and a DC choke, providing improved harmonic performance. The air/oil separator filter is equipped with an internal oil-return tube enhancing system reliability and reducing the possibility of leaks.

These rotary screw air compressors are designed for 100% duty cycle in variable or fixed speed and are ideal for continuous operation applications requiring 80 to 112 SCFM of compressed air at 125 psi.

VARIABLE SPEED

The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimal performance and reliability, resulting in a compressor that is extremely economical and energy efficient, providing energy savings of up to 25%.

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.

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 measuring pressure multiple times each second.

FIXED-SPEED

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 system provides enhanced serviceability.

FLEXIBLE CONFIGURATIONS

All configurations available in fixed & variable speed.

Base Mount



Tank Mount



AirSystem with Integrated Dryer



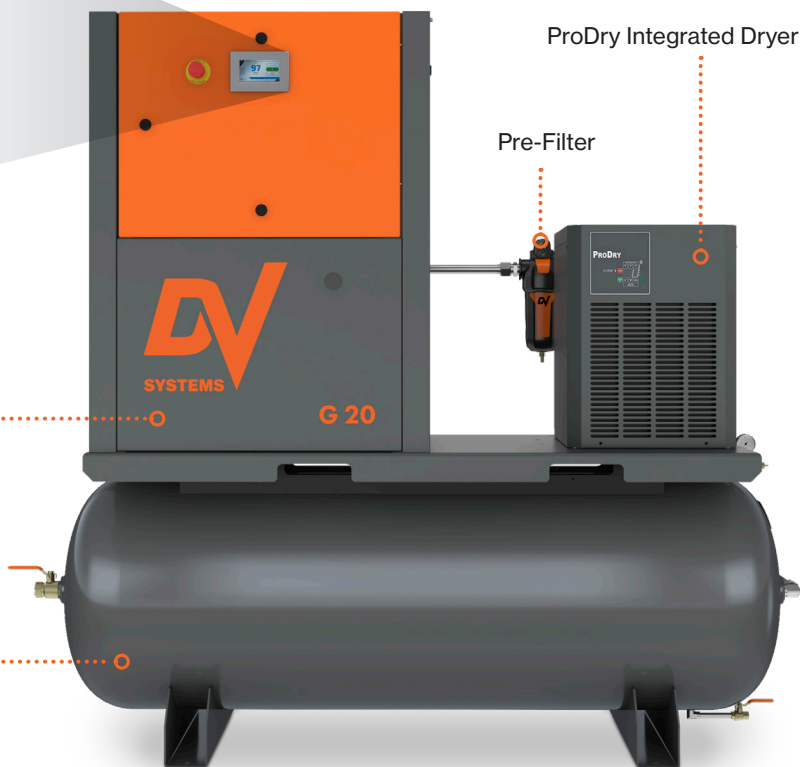


4.3" Touchscreen Governor Controller



Fully Integrated
EK100 Airend

120 Gallon Air Receiver



AIRSYSTEM

The Complete Solution

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

The AirSystem includes:

- > G Series Air Compressor
- > A Heavy-Duty Aluminum Pre-Filter Housing with a 1-Micron Filter Element
- > A Microprocessor controlled ASD100 ProDry™ Refrigerated Air Dryer with Stainless Steel Separator & Auto Drain (20 & 25 HP) or ASD150 ProDry (30 HP)
- > 120 Gallon Air Receiver

DRYTANK

Clean, Dry Compressed Air

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

This 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.

4.3" GOVERNOR CONTROLLER

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

Features

- > Optional Sequencing up to 4 Compressors
- > Remote Stop/Start Operation
- > Microprocessor Control for Load/No-Load & 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
- > 4.3" LCD Touchscreen

OPTIONAL EQUIPMENT

- > Moisture separator (Base & Tank Mount only)
- > Line Reactors (VSD only)
- > Sequencing Kit
- > Disconnect Kit (VSD only)
- > Food Grade Lubricant
- > 3 Valve Bypass (AirSystem only)
- > Electronic Tank Drain (Tank Mount & AirSystem only)

G20-30 & G20-30VSD

20-30HP

ROTARY SCREW AIR COMPRESSOR

100+ 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 100 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

SPECIFICATIONS

PERFORMANCE

Power: 20HP, 25HP & 30HP

CONFIGURATIONS

AIRSYSTEM

G20TD, G25TD, G20TDVSD, G25TDVSD, G30TD, G30TDVSD
Includes 120 Gal. Air Receiver, Pre-Filter & Air Dryer

TANK MOUNTED

G20T, G25T, G20TVSD, G25TVSD, G30T, G30TVSD
Includes 120 Gal. Air Receiver

BASE MOUNTED

G20, G25, G20VSD, G25VSD, G30, G30VSD
Doesn't include Air Receiver or Air Dryer

PERFORMANCE SPECIFICATIONS

	MODEL	DRIVE MOTOR*		NOMINAL PRESSURE*		FAD*		NOISE LEVEL*	WEIGHT**		DIMENSIONS** L x W x H IN. (MM)
		HP	KW	PSIG	BAR	ACFM	M ³ /MIN	DB(A)	LBS	KG	
FIXED SPEED	G20	20	15	110 125 175	7.6 8.6 12.1	84.9 79.5 65.0	2.40 2.25 1.84	73	903	410	32.8 x 35 x 46 (833.12 x 889.00 x 1168.4)
	G25	25	18	110 125 175	7.6 8.6 12.1	108.9 98.0 77.7	3.05 2.75 2.18	74	936	425	
	G30	30	22	110 125 175	7.6 8.6 12.1	120.0 112.0 93.9	3.40 3.17 2.66	74	947	430	
VARIABLE SPEED	G20VSD	20	15	110 125 175	7.6 8.6 12.1	85.00 78.30 62.50	2.41 2.22 1.77	73	953	432	32.8 x 35 x 46 (833.12 x 889.00 x 1168.4)
	G25VSD	25	18	110 125 175	7.6 8.6 12.1	108.20 92.60 76.30	3.06 2.62 2.16	74	986	447	
	G30VSD	30	22	110 125 175	7.6 8.6 12.1	119.60 111.10 89.40	3.39 3.15 2.53	74	997	452	

*Applies to all configurations. **Base-mounted units only.

AIR SYSTEM DETAILS

	MODEL	WEIGHT			DIMENSIONS L x W x H IN. (MM)	DRYER MODEL	RECEIVER SIZE		REFRIGERANT
		DRYER	LBS	KG			GALLONS	LITERS	
FIXED SPEED	G20	Less dryer: With dryer:	1479 1583	671 718	78.23 x 35.53 x 75.3 (1487.04 x 902.46 x 1912.62)	ProDry ASD 100	120	454.25	100 cfm: R134A 150 cfm: R407C
	G25	Less dryer: With dryer:	1512 1616	686 733					
	G30	Less dryer: With dryer:	1523 1708	691 775					
VAR. SPEED	G20VSD	Less dryer: With dryer:	1529 1623	694 741	78.23 x 35.53 x 75.3 (1487.04 x 902.46 x 1912.62)	ProDry ASD 100	120	454.25	100 cfm: R134A 150 cfm: R407C
	G25VSD	Less dryer: With dryer:	1562 1666	709 756					
	G30VSD	Less dryer: With dryer:	1573 1758	714 797					

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DVS-G20-30 1st Ed. 8/22

40 & 50HP

H40/H50

40HP / 50HP ROTARY SCREW AIR COMPRESSOR



- > **Powerful, Efficient Delivery**
Variable Speed or Fixed Speed Options, Direct Drive and Gear Drive
- > **100% Duty Cycle Operation**
Ideal for Continuous-Use Applications
- > **Innovative Design**
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- > **Integrated Air After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- > **Governor™ Controller**
Full-Colour Touchscreen Control
- > **5 Year Extended Warranty**
Rugged Construction & Long Life



Built Better

H40/H50

40HP / 50HP

ROTARY SCREW AIR COMPRESSOR

These heavy-duty, high-performance & high-efficiency Rotary Screw 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 H Series features both Variable Speed or Fixed Speed options, using Direct and Gear Drive Technology to efficiently deliver either 223 SCFM or 185 SCFM of compressed air at 100 PSI for 50HP and 40HP respectively.

VARIABLE SPEED DRIVE (VSD)

The H40-50 VSD integrates a robust frequency inverter with the Governor controller to ensure energy efficiency. The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in a compressor that is extremely economical and energy efficient, providing energy savings of up to 25%.



FIXED SPEED

Ideal for continuous-use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the airend, the fixed speed, direct-coupled system provides maximum flexibility in pressure selection and features a gear ratio matched to the operating pressure for optimum efficiency.



DIRECT-COUPLED DRIVE

DV Systems' Direct-Coupled Drive Technology enables efficient power transmission and optimizes power consumption, providing more air with less energy. Our drive connects the motor directly to the high-efficiency airend with a low maintenance three-jaw coupling, providing maximum transmission efficiency and durability in use.

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, DC link choke with input surge protection, and phase loss and overload protection.

GOVERNOR™ CONTROLLER

The Advanced Governor Controller features the option of sequencing up to 4 compressors, optimizing system performance & efficiency.

- > 4.3" Colour Touch Screen
- > Sequence up to 4 compressors using AirSmart™ protocol
- > Simple, intuitive navigation
- > Easy to access schematic view for system health
- > Ability to set Pressure Schedule / Timer Control
- > USB Port for Software Updates
- > Remote Fault Signals & Power Restart Capability
- > Service Maintenance Reminder
- > Configurable Digital Inputs Relay Outputs



COMPRESSOR COMPONENTS

AIR INTAKE FILTER

A protective, 2 stage, high efficiency air intake filter with pre-cleaner extends airend life and fluid change intervals. Easily serviced with no tools required.

AIR INTAKE VALVE

Designed to be extremely reliable, the air intake valve's unique profile and throat design creates a 25% increased air flow area when totally open, maintaining a minimal pressure drop under all operating conditions. The integrated by-pass circuit is configured to reduce energy consumption while providing sufficient oil injection pressure during the unloaded state. The air intake valve is normally closed and integrated with a non-return valve. Crafted from quality materials, fewer components ensure reliable operation.

MINIMUM PRESSURE VALVE

A two-stage valve that allows the air to flow to the heat exchanger if the compressed air pressure exceeds 65 psi, where it is cooled and then exits the unit. Includes a nonreturn valve to prevent back flow into the compression element. Easy access for servicing. Anodized aluminum and brass components to prevent corrosion.

AIREND

DV Systems' airends are accurately aligned to overall system operating specifications attaining the most efficient and reliable performance. The H Series direct-drive system features large displacement, low speed (≤ 3600 rpm) rotary screw airends, significantly extending bearing life and the lubricant breakdown rate. With a larger displacement, compression loads are distributed over larger surface areas, resulting in less material deflection and better air-coolant distribution.

Rotor profiles make use of the latest technology in profile geometry, delivering high efficiency performance with long life and low noise. Shaft bearings and the materials used in the rotors and housings adhere to strict quality standards. All of the components are precision machined and ground on state of the art equipment.

The H40-50 airend uses an integrated design with oil filter and thermostatic bypass valve to reduce the number of external components and increase reliability.

COOLER

The airend temperature is optimized for efficient operation by the combination of the aluminum block type air-air after cooler, which cools the compressed air as it leaves the unit, and the air-oil cooler, which removes the heat generated in the oil during compression. Large surface area, easy to clean and remove.

AIR / OIL SEPARATOR VESSEL

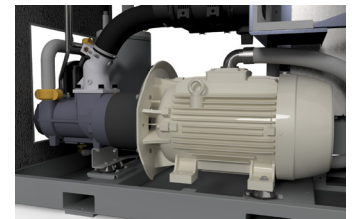
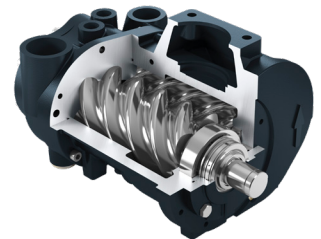
The H50 is fitted with an optimized high-efficiency separation system specifically designed for variable flow applications. Initially, most of the oil is separated from the air by centrifugal force in the separator tank and any remaining oil aerosol is separated by a two-stage filter in the separator vessel. The oil level is verified by an easy-to-read oil level indicator.

THERMOSTATIC BYPASS VALVE

A brass valve integrated in the oil filter housing ensures the compressor reaches its optimal temperature immediately after start-up to eliminate any risk of moisture build-up in the oil and to guarantee highly efficient operation.

OIL FILTER

The oil filter ensures an extremely high filtration efficiency (15 microns), protecting the quality of the synthetic lubricant and improving the airend's lifetime.



H40/H50

40HP / 50HP

ROTARY SCREW AIR COMPRESSOR

100+ 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 100 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

SOLID & SILENT

Engineered to effectively minimize noise levels, DV's rotary screw compressors are designed with solid steel base frames and floors, powdercoated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with an oil-resistant coating.

ACCESSORIES

DV Systems provides a comprehensive range of compressed air treatment products and compressed air system accessories, including dryers, filters, separators, air receivers, auto drains, installation kits, remote start equipment, and more.



SPECIFICATIONS

PERFORMANCE

Power: 40HP, 50HP

CONFIGURATIONS

Base Mounted H40, H50, H40VSD, H50VSD

ELECTRICAL

Premium-Efficiency TEFC Industrial Motor

Motor RPM: 3600 RPM

Three Phase H40

230V/100A, 460V/54A, 575V/43A, 60Hz

Three Phase H50

230V/139A, 460V/60A, 575V/54A, 60Hz

Variable Speed Direct Drive

MODEL	HP	SOUND	SCFM100 PSI	SCFM145 PSI	SCFM175 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT(LBS)
H50VSD	50	74 dBA	223	206	188	64.5"	63.1"	35.5"	1900
H40VSD	40	74 dBA	182	159	N/A	64.5"	63.1"	35.5"	1900

Fixed Speed Gear Drive

MODEL	HP	SOUND	SCFM100 PSI	SCFM130 PSI	SCFM175 PSI	HEIGHT	WIDTH	DEPTH	WEIGHT(LBS)
H50	50	74 dBA	223	213	164	64.5"	63.1"	35.5"	1900
H40	40	74 dBA	185	166	137	64.5"	63.1"	35.5"	1900

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75 & 100HP



K100 & J75 100HP / 75HP ROTARY SCREW AIR COMPRESSORS

- › **Powerful, Efficient Delivery**
Variable Speed, Direct Drive or Fixed Speed, Direct Drive with Soft Start
- › **100% Duty Cycle Operation**
Ideal for Continuous-Use Applications
- › **Innovative Design**
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- › **Integrated Air After-Cooler**
Effectively Cools Air & Enhances System Efficiency
- › **CSC300 Controller**
Advanced Control Solution
- › **5 Year Extended Warranty**
Rugged Construction & Long Life



Built Better



K100 & J75 100HP / 75HP ROTARY SCREW AIR COMPRESSORS

These heavy-duty, high-performance and high-efficiency rotary screw air compressors operate at a 100% duty cycle and are ideal for continuous-use applications.

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 **J75** features variable speed, direct drive technology and efficiently delivers 341 SCFM of compressed air at 100 PSI.

The **K100** features variable speed, direct drive or fixed speed, direct drive with soft start technology and efficiently delivers 463 SCFM of compressed air at 100 PSI.

VARIABLE SPEED, DIRECT DRIVE

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



FIXED SPEED, DIRECT DRIVE WITH SOFT-START

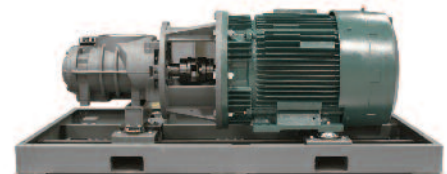
DV Systems' fixed speed, direct-drive with soft-start is ideal for continuous-use applications with constant compressed air demand.

Demonstrating efficient power transmission from the motor to the airend, the direct-drive optimizes power consumption, providing more air with less energy.

Digital, microprocessor-controlled Soft-Start Technology ensures smooth start operation and is engineered for efficient performance.

1:1 DIRECT DRIVE

DV Systems' One-to-One Direct Drive Technology enables efficient power transmission and optimizes power consumption, providing more air with less energy. Our drive connects the motor directly to the high-efficiency airend with a low maintenance jaw in-shear coupling, providing maximum transmission efficiency and durability in use.



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.

COMPRESSOR COMPONENTS

› AIR INTAKE FILTER

Our compressor is protected with a three stage 3 micron air intake filter. This premium filter extends the airend life and fluid change intervals. The filter is easily serviced with no tools required.

› AIR INTAKE VALVE

The air intake valve is normally closed and integrated with non-return valve. Designed to be extremely reliable and to have a very low pressure drop under all operating conditions. The unique profile valve and throat design creates a 25% increased air flow area when totally open for minimal pressure drop and fewer components and quality materials ensure reliable operation.

› MINIMUM PRESSURE VALVE

Two-stage valve that allows the air to flow to the heat exchanger if the compressed air pressure is above 60 psi, where it is cooled and then exits the unit. Includes a non-return valve to prevent back flow into compression element. Easy access for servicing. Anodized aluminum and brass components to prevent corrosion.

› AIREND

All DV airends are carefully matched to the overall package operating specifications to attain the most efficient and reliable overall performance. As direct drive packages, both the J and K air ends are large displacement, low speed rotary screw airends (1500 – 4000 rpm) which significantly extends bearing life and lubricant breakdown rate. Larger displacement also means that the compression loads are distributed over larger surface areas with results in less material deflection and better air – coolant distribution. Rotor profiles make use of the latest technology in profile geometry in order to deliver high efficiency, long life and low noise. Shaft bearings and the materials used in the rotors and housings must meet strict quality standards. All of the components are precision machined and ground on state of the art equipment in ISO 9001 facilities.

› COOLER

Aluminum block type air-air aftercooler to cool the compressed air as it leaves the unit combined with the air-oil cooler to remove the heat generated in the oil during compression and to optimize the airend temperature for efficient operation. Large surface area, easy to clean and remove.

› AIR / OIL SEPARATOR VESSEL

J75 and K100 are fitted with an optimized high-efficiency separation system specifically designed for variable flow application inherent with variable speed air compressor. Most of the oil is initially separated from the air by centrifugal force in the separator tank. Any remaining oil aerosol is separated by a two-stage filter in the separator vessel. The oil level is verified by the easy-to-read oil level indicator and the service is done by an easily accessible valve and hinged top cover.

› “CYCLONE” MOISTURE SEPARATOR

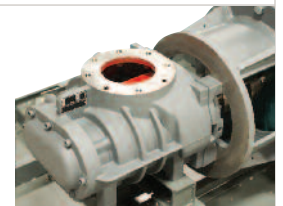
The cyclone moisture separator uses centrifugal separation to remove bulk liquids from the compressed air as it leaves the compressor.

› THERMOSTATIC BYPASS VALVE

A brass valve integrated in the oil filter housing to assure that the compressor reaches its optimal temperature immediately after start up to eliminate any risk of moisture buildup in the oil and to guarantee highly efficient operation.

› DUAL OIL FILTER

The two oil filters ensure an extremely high filtration efficiency (10 microns) to protect the synthetic lubricant quality and improve the airend lifetime.



CSC 300 CONTROLLER

The Advanced CSC 300 features the option of sequencing up to 8 compressors, optimizing system performance & efficiency.

- › Optional Sequencing - Up to 8 Compressors
- › Web-Enabled System Control - Optional
- › Remote Stop/Start Operation
- › 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)





K100 & J75 100HP / 75HP ROTARY SCREW AIR COMPRESSORS

Model	Motor (HP)	dBA	Operating pressure (psi)	Capacity @ operating pressure(SCFM)	Dimensions L x W x H (in.)	Weight (lbs)
J75 MOHAWK VSD	75	74	100	341	74 x 47 x 78 3/4	2858
			125	309		
			150	285		
K100 IROQUOIS VSD	100	75	100	463	74 x 47 x 78 3/4	3300
			125	432		
			150	388		
K100 IROQUOIS Fixed Speed, Direct Drive Soft-Start	100	75	100	463	74 x 47 x 78 3/4	3200

SOLID AND SILENT DESIGN

Engineered to effectively minimize noise levels, our rotary screw air compressors are designed with solid, steel base frames & floors, powder-coated, heavy gauge, acoustically insulated steel cabinets and sound attenuating foam barriers with an oil resistant coating. The airend/motor-drive module & separator tank are each mounted on vibration isolation mounts to eliminate all strain on piping and wiring, additionally reducing noise.

COOLING FAN

Centrifugal cooling fan, with high efficiency backward inclined aluminum blades. Dynamically balanced for low vibration and noise reduction. Integrated rotor and thermally protected motor. Easy access for servicing.

LUBRICATION SYSTEM

DV Lube synthetic oil is tested for extreme conditions and explicitly qualified for high performance and long lifetime expectations.

ACCESSORIES

DV Systems provides a comprehensive range of compressed air treatment products and compressed air system accessories, including dryers, filters, separators, air receivers, ETC oil-free converters & ecocentre air compressor management systems.

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125–175 HP

M125/M150/M175 M125VSD/M150VSD/M175VSD

ROTARY SCREW
AIR COMPRESSOR



- > **Powerful, Efficient Delivery**
Variable Speed or Fixed Speed Options, Direct Drive and Gear Drive
- > **100% Duty Cycle Operation**
Ideal for Continuous-Use Applications
- > **Innovative Design**
Compact, Quiet, Engineered for Optimized Efficiency & Performance
- > **Governor™ Controller**
Full-Colour Touchscreen Control
- > **5 Year Extended Warranty**
Rugged Construction & Long Life



Built Better

M125-175/M125-175VSD

125-175HP

ROTARY SCREW AIR COMPRESSOR

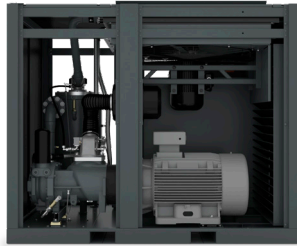
These heavy-duty, high-performance & high-efficiency Rotary Screw Compressors operate at a 100% duty cycle and are ideal for continuous-use applications where reliable, dry, clean air is required

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

The M Series features both Variable Speed or Fixed Speed options, using Direct and Gear Drive Technology to efficiently deliver 153 SCFM up to 762 SCFM.

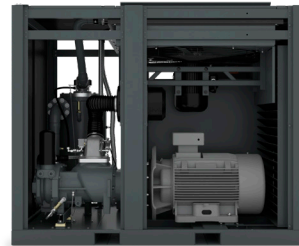
VARIABLE SPEED DRIVE (VSD)

The M125-175 VSD integrates a robust frequency inverter with the Governor controller to ensure energy efficiency. The VSD constantly aligns energy use with air demand, adjusting motor speed to provide optimum performance and reliability, resulting in a compressor that is extremely economical and energy efficient, providing energy savings of up to 25%.



FIXED SPEED

Ideal for continuous-use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the airend, the fixed speed, direct-coupled system provides maximum flexibility in pressure selection and features a gear ratio matched to the operating pressure for optimum efficiency.



DIRECT-COUPLED DRIVE

DV Systems' Direct-Coupled Drive Technology enables efficient power transmission and optimizes power consumption, providing more air with less energy. Our drive connects the motor directly to the high-efficiency airend with a low maintenance three-jaw coupling, providing maximum transmission efficiency and durability in use.

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.

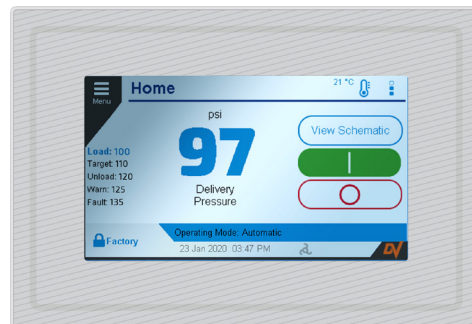
VSD SAFETY

The VSD also integrates numerous power monitoring and fault protection technologies, such as: Integrated EMC filter, DC link choke with input surge protection, and phase loss and overload protection.

GOVERNOR™ CONTROLLER

The Advanced Governor Controller features the option of sequencing up to 4 compressors, optimizing system performance & efficiency.

- > 4.3" Colour Touch Screen
- > Sequence up to 4 Compressors Using AirSmart™ Protocol
- > Simple, Intuitive Navigation
- > Easy to Access Schematic View for System Health
- > Ability to Set Pressure Schedule / Timer Control
- > USB Port for Software Updates
- > Remote Fault Signals & Power Restart Capability
- > Service Maintenance Reminder
- > Configurable Digital Inputs Relay Outputs



COMPRESSOR COMPONENTS

AIR INTAKE FILTER

A protective, two-stage, high efficiency air intake filter with pre-cleaner extends airend life and fluid change intervals. Easily serviced with no tools required.

AIR INTAKE VALVE

Designed to be extremely reliable, the air intake valve's unique profile and throat design creates a 25% increased air flow area when totally open, maintaining a minimal pressure drop under all operating conditions. The integrated by-pass circuit is configured to reduce energy consumption while providing sufficient oil injection pressure during the unloaded state. The air intake valve is normally closed and integrated with a non-return valve. Crafted from quality materials, fewer components ensure reliable operation.

MINIMUM PRESSURE VALVE

A two-stage valve that allows the air to flow to the heat exchanger if the compressed air pressure exceeds 65 psi, where it is cooled and then exits the unit. Includes a non-return valve to prevent back flow into the compression element. Easy access for servicing. Anodized aluminum and brass components to prevent corrosion.

AIREND

DV Systems' airends are accurately aligned to overall system operating specifications attaining the most efficient and reliable performance. The M Series direct-drive system features large displacement, low speed (≤ 3600 rpm) rotary screw airends, significantly extending bearing life and the lubricant breakdown rate. With a larger displacement, compression loads are distributed over larger surface areas, resulting in less material deflection and better air-coolant distribution.

Rotor profiles make use of the latest technology in profile geometry, delivering high efficiency performance with long life and low noise. Shaft bearings and the materials used in the rotors and housings adhere to strict quality standards. All of the components are precision machined and ground on state of the art equipment.

The M Series airend uses an integrated design with oil filter and thermostatic bypass valve to reduce the number of external components and increase reliability.

COOLER

The airend temperature is optimized for efficient operation by the combination of the aluminum block type air-cooled air after-cooler, which cools the compressed air as it leaves the unit, and the air-oil cooler, which removes the heat generated in the oil during compression. Large surface area, easy to clean and remove.

AIR / OIL SEPARATOR VESSEL

The M Series is fitted with an optimized high-efficiency separation system specifically designed for variable flow applications. Initially, most of the oil is separated from the air by centrifugal force in the separator tank and any remaining oil aerosol is separated by a two-stage filter in the separator vessel. The oil level is verified by an easy-to-read oil level indicator.

THERMOSTATIC BYPASS VALVE

A brass valve integrated in the oil filter housing ensures the compressor reaches its optimal temperature immediately after start-up to eliminate any risk of moisture build-up in the oil and to guarantee highly efficient operation.

OIL FILTER

The oil filter ensures an extremely high filtration efficiency (15 microns), protecting the quality of the synthetic lubricant and improving the longevity of the airend.



M125-175 & M125-175VSD

125-175HP, ROTARY SCREW AIR COMPRESSOR

100+ 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 100 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

SOLID & SILENT

Engineered to effectively minimize noise levels, DV's rotary screw 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.



ACCESSORIES

DV Systems provides a comprehensive range of compressed air treatment products and compressed air system accessories, including dryers, filters, separators, air receivers, auto drains, installation kits, remote start equipment, and more.

SPECIFICATIONS

Power: 125 HP, 150 HP & 175 HP

CONFIGURATIONS

Base Mounted M125, M150, M175, M125VSD, M150VSD & M175VSD

ELECTRICAL

Premium-Efficiency TEFC Industrial Motor

Motor RPM: 3600 RPM

Three Phase M125-175 & M125-175VSD
460V & 575V at 60Hz

MODEL		DRIVE MOTOR		NOMINAL PRESSURE		FAD		NOISE LEVEL	WEIGHT		DIMENSIONS L × W × H
		HP	KW	PSIG	BAR	ACFM	M ³ /MIN	DB(A)	LBS	KG	IN. (MM)
FIXED SPEED	M125	125	90	110	7.6	513.1	14.53	80	6,344	2,884	96.0 × 63.0 × 80.2 (2438.4 × 1600.2 × 2037.1)
				125	8.6	511.8	14.49				
				175	12.1	455.7	12.90				
	M150	150	110	110	7.6	663.5	18.79	80	6,421	2,919	
				125	8.6	663.5	18.74				
				175	12.1	522.8	14.80				
	M175	175	132	110	7.6	761.0	21.55	80	6,546	2,975	
				125	8.6	759.3	21.50				
				175	12.1	650.3	18.41				
VARIABLE SPEED	M125VSD	125	90	110	7.6	601.0	17.03	80	6,744	3,065	
				145	10.0	520.0	14.73				
				175	12.1	472.0	13.37				
	M150VSD	150	110	110	7.6	679.0	19.24	80	6,821	3,100	
				145	10.0	598.0	16.94				
				175	12.1	542.0	15.35				
	M175VSD	175	132	110	7.6	737.0	20.88	80	6,946	3,157	
				145	10.0	676.0	19.15				
				175	12.1	614.0	17.39				

FOR MORE INFORMATION VISIT [DVSYSTEMS.COM](https://dvsystems.com)

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5 to 30HP



HDI SERIES 5HP TO 30HP RECIPROCATING AIR COMPRESSORS

- › **RUGGED & RELIABLE**
Ideal for Demanding Industrial Environments
- › **PRESSURE-LUBRICATED, CAST-IRON PUMPS**
Built for Heavy-Duty Operation
- › **SLOW COMPRESSOR PUMP RPM**
Long-Lasting Operation
- › **DEEP-FINNED CAST-IRON DESIGN**
Enhanced Heat Dissipation
- › **7 YEAR LIMITED WARRANTY**



BUILT BETTER



HDI SERIES 5HP TO 30HP

HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

BALANCED PISTONS

Heat treated and stress relieved connecting rods are cast from ductile iron for strength and long life. High pressure pistons are made from solid cast iron to withstand extreme forces while the low pressure pistons are made from aluminum alloy. The tin-plated compression rings are designed to work in concert with the oil control rings and scraper.

BABBITT INSERTS

Greatly reduce wear on crankshaft.

SOLID CAST IRON CYLINDERS

Solid cast iron minimizes distortion from assembly torque and heat. Precision-machined cylinder walls are honed to reduce friction and minimize oil carry over. Extra-deep fins provide increased cooling and greater strength.

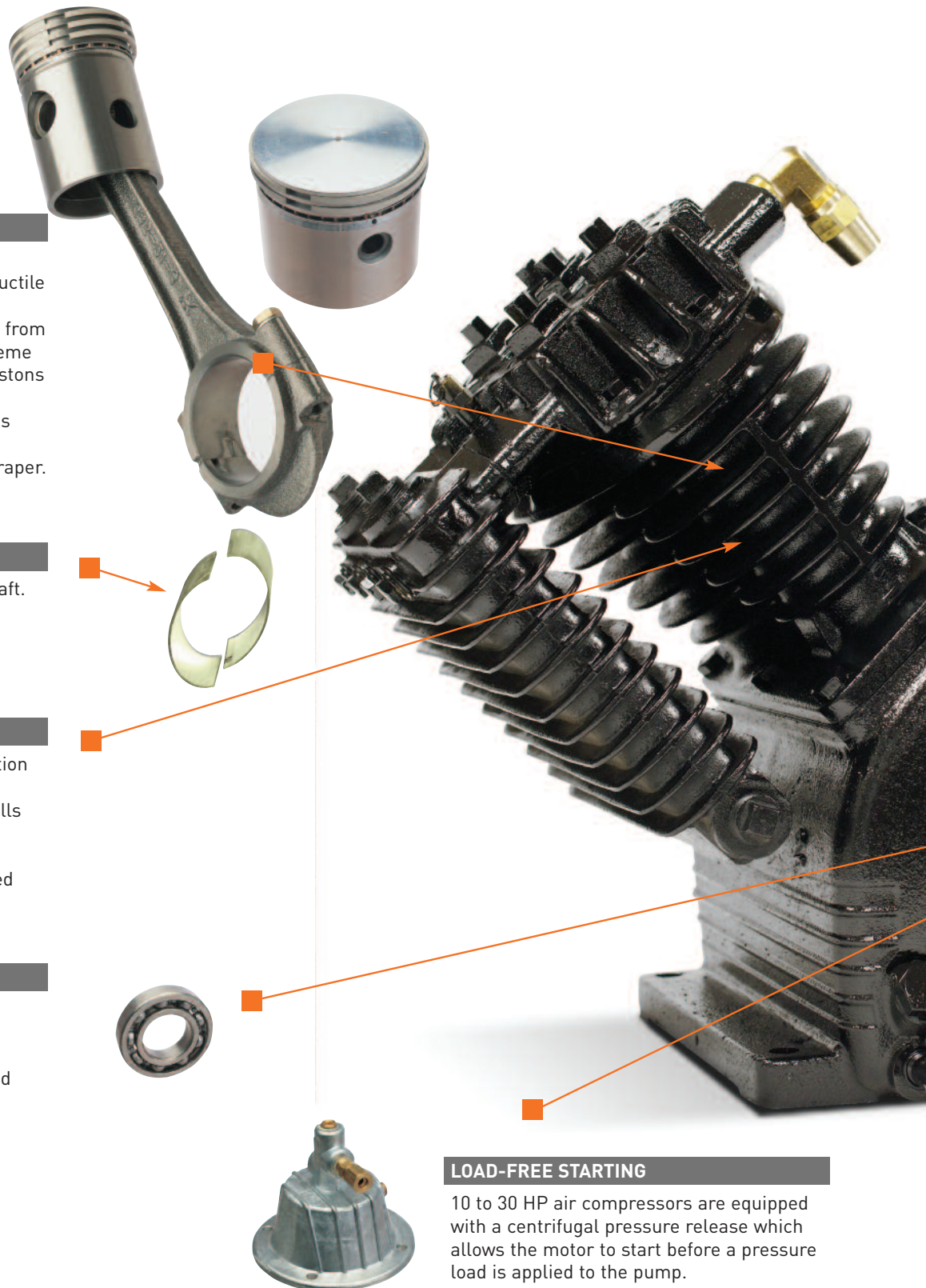
BALL BEARINGS

Assuring an exceptionally free-running crankshaft, heavy load capacity ball bearings used in DV Systems outfits are lubricated from the crankcase and require no maintenance.

LOAD-FREE STARTING

10 to 30 HP air compressors are equipped with a centrifugal pressure release which allows the motor to start before a pressure load is applied to the pump.

BUILT BETTER

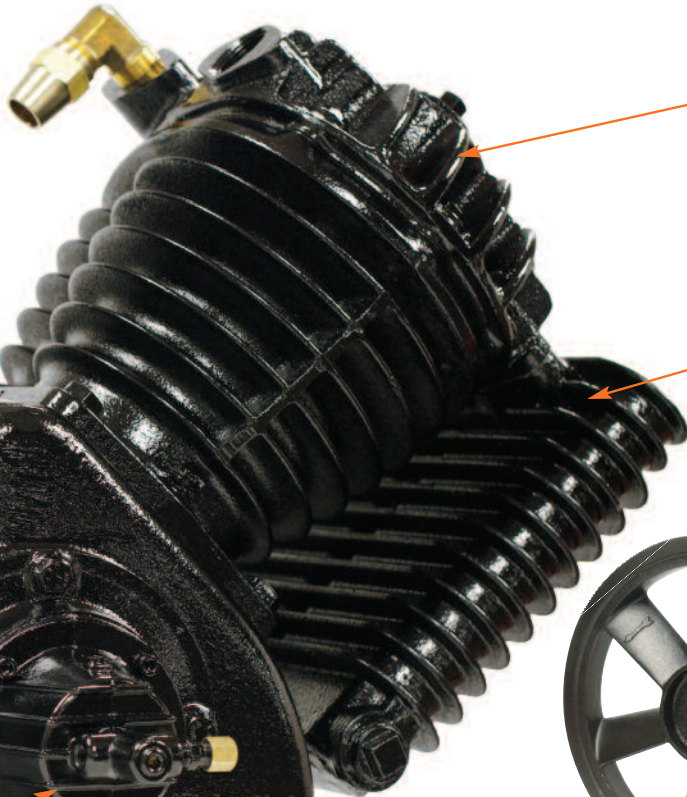


All moving components of the 247/447 are machined, honed, balanced and assembled at our factory. Once assembled, each unit is tested twice under industrial conditions to ensure it meets our exacting operational standards. Rugged construction and long life allows DV Systems to confidently offer an unprecedented **7 Year Warranty**.



QUIET, QUICK-ACTING VALVES

Machined carbon steel valves balance air passages and structural integrity, for maximum airflow and dependability. Hardened carbon steel valve guides complement the stainless steel Valve Discs and Springs.



COOL CYLINDER HEAD

Deep directional fins provide quick cooling; compact streamlined air passages in the cylinder head allow a fast, efficient flow of cooler intake air and rapid removal of exhaust.

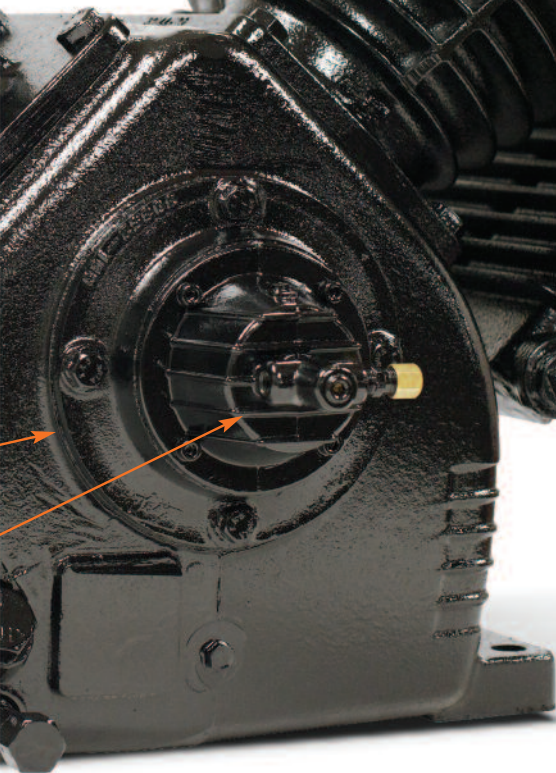
DEEP-FINNED CAST-IRON INTER-COOLERS

Reliable deep-finned cast-iron intercoolers provide superior cooling between compression stages, enhancing heat dissipation.



BALANCED FAN-TYPE FLYWHEEL

Airfoil-type spokes provide a continuous powerful blast of cooling air for all portions of the compressors. Balanced, it assures smooth, vibration-free operation.



SHORT STROKE DESIGN

The combination of large bore, short stroke and slow operating speeds improves life expectancy and provides high air delivery.

PRECISION BALANCED, OVERSIZED CRANKSHAFT

The crankshaft, with integral counter weights, is balanced to ensure longer life and smooth operation. Journals are precision ground and furnished with inserts for long trouble free life. The crankshaft is drilled and ported to allow centrifugal force to carry oil to bearing surfaces. Babbitt bearing inserts further ensure balanced operation.





HDI SERIES 5HP TO 30HP

HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

The Air-Cooled, Pressure-Lubricated, Reciprocating Heavy Duty Industrial Series is engineered to provide a Heavy-Duty, Durable and Dependable Air Compressor built to withstand the most demanding industrial environments.

Available in both Simplex & Duplex configurations, the HDI Series 5HP to 30HP is equipped with 2-Stage, 2-cylinder (247) or 4-cylinder (447) cast-iron compressor pumps powered by premium-efficiency North American made open drip proof (ODP) motors, providing reliable, high duty-cycle operation.

The heavily weighted cast iron pumps and Low RPM enhance heat dissipation and enable up to 80% duty cycle. Pressure lubrication ensures oil is delivered to journal bearings and all necessary components, minimizing oil carry-over and friction.

Configurations

Available in Simplex, Duplex & Custom Engineered

- › **BASIC** Pump, ODP Motor & Air Receiver
- › **MS** + Definite Purpose Magnetic Starter & Alternator Relay (on Duplex Units)
- › **XL** + Definite Purpose Magnetic Starter & Alternator Relay (on Duplex Units), Low Oil Level Sight / Shut-Down Monitor & Auto Drain
- › **ACP** Alternator Control Panel

HIGHLIGHTS

Cast-Iron Construction, Low RPM

Solid cast-iron cylinders, head & crankcase enhances heat dissipation and enables low-distortion, long-lasting, reliable operation

Pressure Lubrication Technology

Ensures oil is delivered to journal bearings and all necessary components, minimizing oil carry-over & friction

Deep-Finned Cast-Iron Inter-Cooler

Enhanced Heat Dissipation

Reliable & Safe

OSHA Fully-Enclosed Belt-Guard, Motor with Overload Protection, CRN & ASME Approved Air Receivers.

7 Year Limited Warranty



5 & 7.5 HP

ELECTRICAL

Single-Phase 230V

3-Phase: 200-208V/230V/460V/575V

CONFIGURATIONS

Base-Mounted No Air Receiver

Tank-Mounted 80 Gal Horizontal or Vertical ASME Approved & CRN Registered Air Receiver

PACKAGES

Basic

MS Definite Purpose Magnetic Starter

XL Definite Purpose Magnetic Starter, Low Oil-Level Sight / Shut-Down Monitor & Auto Drain

10 & 15 HP

ELECTRICAL

3-Phase: 200-208V/230V/460V/575V

CONFIGURATIONS

Base-Mounted No Air Receiver

Tank-Mounted 120 Gal Horizontal or Vertical ASME Approved & CRN Registered Air Receiver

PACKAGES

Basic

MS Definite Purpose Magnetic Starter

XL Definite Purpose Magnetic Starter, Low Oil-Level Sight / Shut-Down Monitor & Auto Drain

Optional Constant Run-Stop-Start Controls

13 HP GAS

13 HP Honda Gas Engine

CONFIGURATIONS

Base-Mounted No Air Receiver

Tank-Mounted 30 Gal Horizontal ASME Approved & CRN Registered Air Receiver

Standard

Automatic Unloader & Electric Starter on Engine

25 & 30 HP

ELECTRICAL

3-Phase: 200-208V/230V/460V/575V

CONFIGURATIONS

Base-Mounted No Air Receiver

Tank-Mounted 240 Gal Horizontal ASME Approved & CRN Registered Air Receiver

PACKAGES

Basic

XL Definite Purpose Magnetic Starter, Low Oil-Level Sight / Shut-Down Monitor & Auto Drain

Optional Constant Run-Stop-Start Controls

PERFORMANCE SPECIFICATIONS

Model	HP	Tank	Displacement		Delivery CFM		Pump RPM
			CFM	175psi	150psi	100psi	
TAP-5052	5	80 Gal. Hor.	23.4	19.1	19.8	20.3	635
TAPV-5052	5	80 Gal. Vert.	23.4	19.1	19.8	20.3	635
TAS-5052	7.5	80 Gal. Hor.	28.9	25.8	25.9	26.2	800
TASV-5052	7.5	80 Gal. Vert.	28.9	25.8	25.9	26.2	800
TASE-5030	13 Gas	30 Gal. Hor.	28.9	25.8	25.9	26.2	800
TASE-5000	13 Gas	Base Mtd.	28.9	25.8	25.9	26.2	800

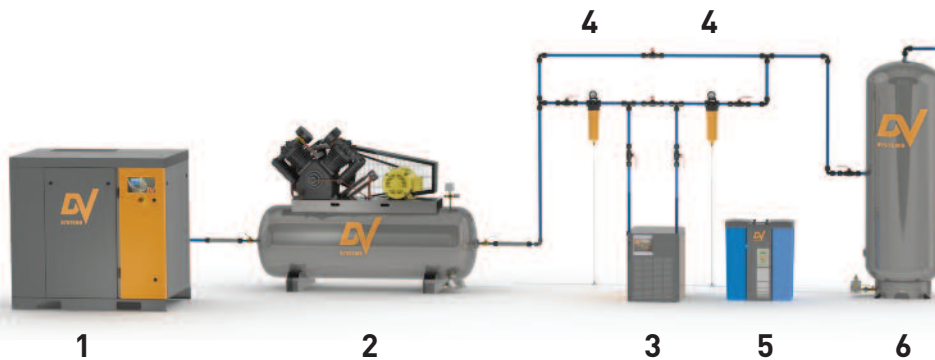
Model	HP	Tank	Displacement		Delivery CFM		Pump RPM
			CFM	175psi	150psi	100psi	
VAT-5063	10	120 Gal. Hor.	43.3	36.5	36.8	37.3	590
VATV-5063	10	120 Gal. Vert.	43.3	36.5	36.8	37.3	590
VAV-5062	15	120 Gal. Hor.	64.8	51.8	52.1	52.9	880
VAVV-5062	15	120 Gal. Vert.	64.8	51.8	52.1	52.9	880
VAX-5081	25	240 Gal. Hor.	108.2	86.6	87.0	88.5	735
VAY-5081	30	240 Gal. Hor.	124.1	99.3	99.9	101.5	845



HDI SERIES 5HP TO 30HP HEAVY DUTY INDUSTRIAL AIR COMPRESSORS

Compressed air quality is critical in maintaining an effective, efficient & properly operating compressed air system. An air dryer with appropriate filtration ensures the delivery of cool, clean, dry compressed air, promoting air system efficiency and reliable operation.

DV Systems provides a comprehensive range of compressed air treatment products and compressed air system accessories, including air dryers, filters, separators, air receivers, ETC oil-free converters and air compressor management systems.



- 1 Rotary screw compressor
- 2 Piston compressor
- 3 Compressed air dryer
- 4 Air filters
- 5 Ecotron oil water separator
- 6 Air receiver

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.

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dvsystems.com

5 7.5
10
& 15



HDI SERIES DUPLEX 5HP / 7.5HP / 10HP / 15HP RECIPROCATING AIR COMPRESSORS

- › **Rugged & Reliable**
Ideal for Demanding Industrial Environments
- › **Pressure-Lubricated, Cast-Iron Pumps**
High Duty Cycle Operation
- › **Slow Compressor Pump RPM**
Long-Lasting Operation
- › **Deep-Finned Cast-Iron Castings**
Enhance Heat Dissipation
- › **7 Year Limited Warranty**
Rugged Construction & Long Life



DV Systems. Built Better.



HDI SERIES DUPLEX

5HP / 7.5HP / 10HP / 15HP

RECIPROCATING AIR COMPRESSORS

The **air-cooled, pressure-lubricated, reciprocating heavy duty industrial series** is engineered to provide a heavy-duty, durable and dependable air compressor built to withstand the most demanding industrial environments.

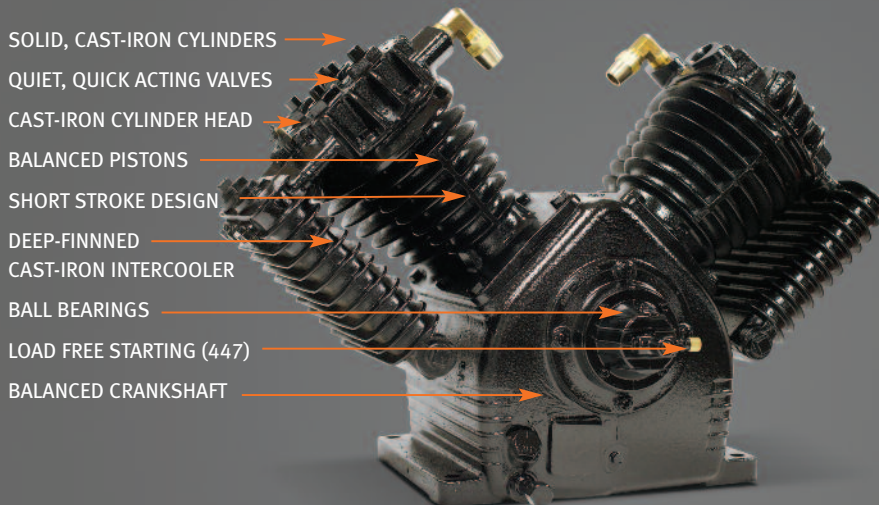
Duplex units are equipped with 2-Stage, 2-Cylinder 247 [5HP & 7.5HP] or 4-Cylinder 447 [10HP & 15HP] cast-iron compressor pumps, 2 ODP motors, and 2 optional magnetic starters with an alternator relay, or an optional alternating control panel [ACP] providing reliable, continuous-use, 24/7 operation.

Available in 4 Configurations

- [BASIC] Duplex
- [MS] Magnetic Starter & Alternator Relay
- [XL] MS Configuration + Low Oil Level Shutdown Monitors / Switches & Pneumatic Auto Drain
- [ACP] Alternator Control Panel

247/ 447 Compressor Pumps

The Two Stage, Two Cylinder 247 & Two Stage, Four Cylinder 447 Compressor Pumps Feature Cast-Iron Construction & Slow RPM, Making Them Ideal for Demanding Industrial Environments.



Manufactured in Canada

All Moving Components of the 247/447 Are Machined, Honed, Balanced & Assembled in our Factory Located in Barrie, Ontario, Canada.



HIGHLIGHTS

Built-In Back-Up System

Duplex system provides reliable, continuous-use operation.

Cast-Iron Construction with Low RPM

Solid cast-iron cylinders, head & crankcase enhances heat dissipation and enables low-distortion, long lasting, reliable operation.

Proprietary Pressure Lubrication

Ensures oil is delivered to journal bearings and all necessary components, minimizing oil carry-over & friction.

Deep-Finned, Cast-Iron Inter-Cooler

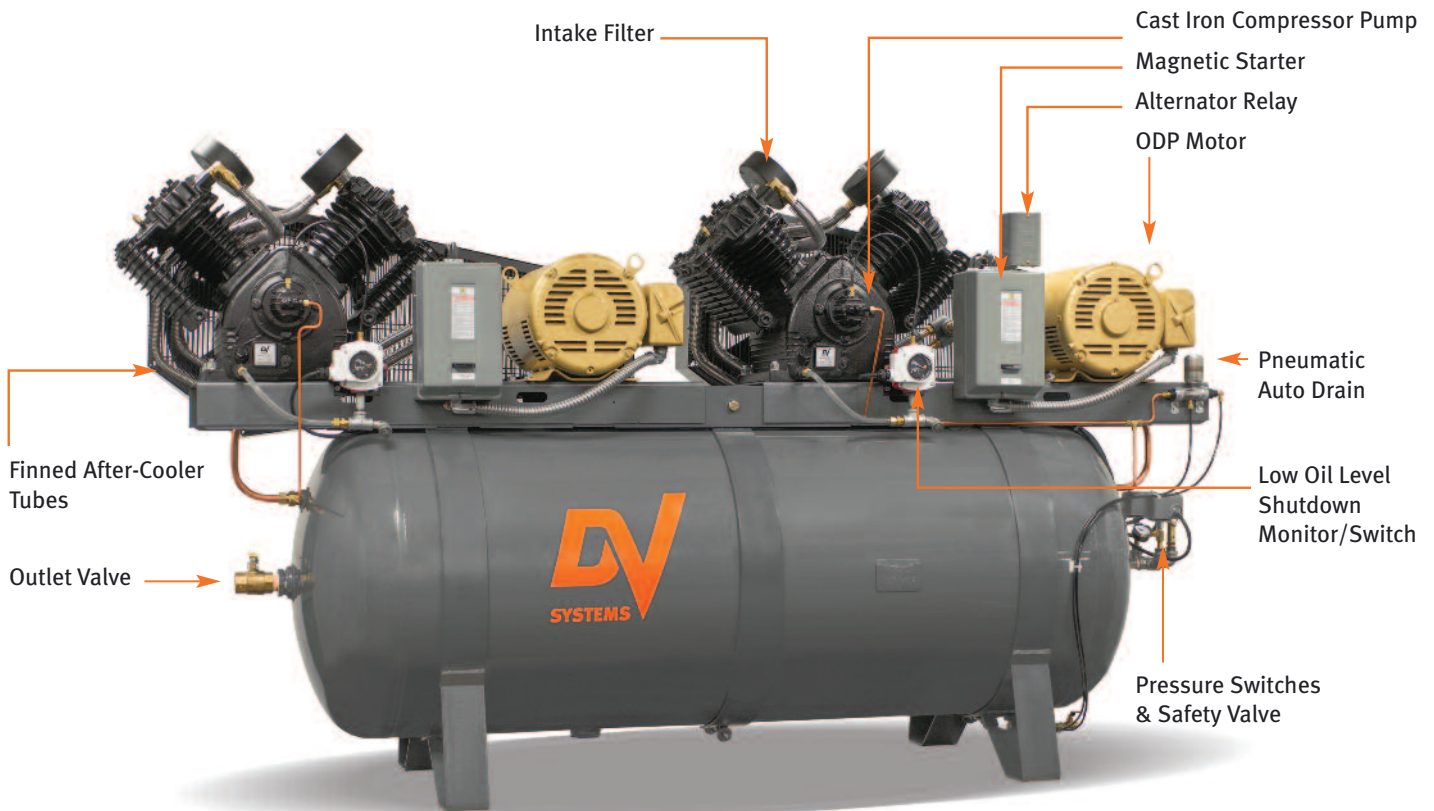
Enhances heat dissipation.

Made in Canada

DV Systems industrial air compressors are manufactured in our factory located in Barrie, Ontario, Canada.

7 Year Limited Warranty

Rugged construction and long life allows DV Systems to confidently offer an unprecedented 7 year warranty.



MAGNETIC STARTERS & ALTERNATOR RELAY WITH LOW OIL LEVEL SHUTDOWN MONITORS & AUTO DRAIN PACKAGE [XL]

Features the basic duplex + two definite purpose magnetic starters & alternator relay, two low oil level shutdown monitors / switches & pneumatic auto drain.

The magnetic starters & alternator relay act as a simple alternator, enabling each pump & motor combination to start alternately.

MAGNETIC STARTERS & ALTERNATOR RELAY PACKAGE [MS]

Features the basic duplex + two definite purpose magnetic starters & alternator relay. The magnetic starters & alternator relay act as a simple alternator, enabling each pump & motor combination to start alternately.

ALTERNATOR CONTROL PANEL [ACP]

An advanced alternator option enabling each pump & motor combination to start alternately, providing reliable, continuous-Use, 24/7 operation. If the active pump & motor cannot deliver the desired demand, the secondary pump & motor is automatically enlisted.

The ACP configuration includes the Duplex compressor + An alternator control panel driven by a logic relay preloaded with an alternating program.

DUPLEX - BASIC PACKAGE

Features two cast-Iron compressor pumps, two high-efficiency North American made open drip proof [ODP] motors, and an air receiver.





HDI SERIES DUPLEX 5HP / 7.5HP / 10HP / 15HP RECIPROCATING AIR COMPRESSORS

100+ 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 100 plus years. Our objective is to provide reliable, innovative products and compressed air system solutions, strengthened by a commitment to exceptional customer service.

> SPECIFICATIONS

PERFORMANCE

Air-Cooled, Centrifugal Force Pressure Lubrication

Power 5HP / 7.5HP / 10HP / 15HP

Delivery 19.8 SCFM to 52.1 SCFM @ 150 psi (x2)

ELECTRICAL

High Efficiency Open Drip Proof (ODP) North American Made Industrial Electric Motor

COMPRESSOR PUMP DATA

247 (5HP & 7.5HP) 2 Stage, 2-Cylinder

447 PUMP (10HP & 15HP) 2 Stage, 4-Cylinder

DRIVE 2-B Section V-Belt

SPEED 635 RPM (5HP), 800 RPM (7.5HP),
590 RPM (10HP), 880 RPM (15HP)

CONFIGURATIONS

XL MS Configuration + Low Oil Level Shutdown
Monitors / Switches & Pneumatic Auto Drain

MS Magnetic Starters & Alternator Relay

ACP Alternator Control Panel

Basic

> AVAILABLE MODELS

MODEL	HP	TANK	SCFM 150 PSI	PUMP	PUMP RPM	HEIGHT	WIDTH	DEPTH	WEIGHT (lbs)
TAP-5562	5	120 Horiz.	2 x 19.8	2 x 247	635	54 3/4"	81 1/2"	26 1/2"	1073
TAS-5562	7.5	120 Horiz.	2 x 25.9	2 x 247	800	54 3/4"	81 1/2"	26 1/2"	1103
VAT-5583	10	240 Horiz.	2 x 36.8	2 x 447	590	62 1/2"	107 3/4"	30 3/4"	1940
VAV-5582	15	240 Horiz.	2 x 52.1	2 x 447	880	62 1/2"	107 3/4"	30 3/4"	2074

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Phone: 704 799-0046, Fax: 704 799-0355



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HDI Duplex-02-2014-1 Printed in Canada



PRODRY™ ASD REFRIGERATED AIR DRYERS

- › **ENERGY-EFFICIENT VARIABLE-SPEED FAN**
Aligns Energy Use with Air Demand
- › **TWO-WAY HEAT-EXCHANGER**
Improves Efficiency & Energy Savings
- › **MICROPROCESSOR CONTROLLER**
Maintains Stable Dew Point
- › **HIGH-EFFICIENCY, STAINLESS-STEEL MOISTURE SEPARATOR**
Extremely Low Pressure Drop & Smooth Operation
- › **PATENTED REFRIGERANT CIRCUIT DESIGN**
Adjusts Cooling Capacity to Air Volume & Temperature
- › **SELF-ADJUSTING CONTROLS**
Provide Extremely Low and Constant Dew Point while Preventing Icing
- › **THERMALLY PROTECTED COOLING FANS & SAFETY SYSTEM**
Prevents Compressor Damage Due to Malfunction or High Working Temperature
- › **AUTOMATIC ELECTRONIC DRAIN**
Standard with Every Air Dryer



BUILT BETTER



PRODRY™ ASD REFRIGERATED AIR DRYERS

MAXIMUM INLET TEMPERATURE 120° F

The compact and easily serviceable ProDry™ ASD air dryer removes moisture by lowering the temperature of the compressed air, forcing moisture to condense-out and drain-out. This process diminishes the possibility of rogue moisture entering critical work areas downstream of the compressor, improving overall compressed air quality and system-efficiency.

ProDry™ ASD Refrigerated Standard Air Dryers range from 10 to 500 SCFM and are microprocessor controlled, ensuring a stable dew-point temperature.

All ProDry™ ASD Air Dryers are equipped with a 2-stage heat-exchanger, improving efficiency and energy savings, and include a high-efficiency condensate separator and large surface-area refrigerant condenser.

ProDry™ ASD Air Dryers are equipped with an automatic electronic drain.

Controller panels display dew point and details of the operation of the internal compressor and auto drain. Dewpoint temperature may be digitally set. Larger models (150 CFM and over) are equipped with a manual "On/Off" override switch.



CORRECTION FACTORS FOR ASD DRYERS

Correction factors for working pressure

PSI	73	87	102	116	131	145	160	174	188	203
FC1	0.85	0.93	1	1.06	1.11	1.15	1.18	1.2	1.22	1.24

Correction factors for ambient temperature

Deg.F/C	80/26	90/32	100/37	105/40	110/43	120/50
FC2	1.1	1.05	1	0.98	0.83	0.65

Correction factors for inlet air temperature

Deg.F/C	80/26	90/32	100/37	110/43	120/50	130/54	140/60
FC3	1.3	1.18	1	0.8	0.6	0.42	0.25

Calculations using correction factors; Actual Dryer Flow Rate = nominal dryer flow rate x FC1 x FC2 x FC3

DV Systems Model #	Capacity CFM*	Voltage 1phase 60 Hz	Pipe size NPT	Dimensions (inch)			Weight Lbs
				H	W	L	
ASD10	10	115	3/8"	15.44	12	14.16	39.7
ASD15	15	115	3/8"	15.44	12	14.16	39.7
ASD30	30	115	1/2"	17.35	15.35	16.99	59.5
ASD40	40	115	1/2"	17.35	15.35	16.99	61.7
ASD60	60	115	3/4"	21.64	16.52	20.26	77.2
ASD100	100	115	3/4"	22.25	16.52	20.26	103.6
ASD150	150	230	1"	23.7	19.1	23.43	118.8
ASD200	200	230	1 1/2"	38.6	19.7	26.73	192
ASD320	320	230	1 1/2"	38.6	19.7	26.75	243
ASD400	400	230	2"	52.76	29.53	28.35	264
ASD500	500	460 3 ph	2"	52.76	29.53	28.35	286

* Capacity at 100°F or 37°C, 100psi

DV Systems recommends installation of a pre-filter upstream of dryer.



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ASD Dryers-03-15-4 Printed in Canada

As we are continually trying to improve our products, specifications are subject to change without notice.



PRODRY™ HTD HIGH TEMPERATURE AIR DRYERS

- › **ENERGY-EFFICIENT VARIABLE-SPEED FAN**
Aligns Energy Use with Air Demand
- › **TWO-WAY HEAT-EXCHANGER**
Improves Efficiency & Energy Savings
- › **MICROPROCESSOR CONTROLLER**
Maintains Stable Dew-Point
- › **HIGH-EFFICIENCY, STAINLESS-STEEL MOISTURE SEPARATOR**
Extremely Low Pressure Drop & Smooth Operation
- › **PATENTED REFRIGERANT CIRCUIT DESIGN**
Adjusts Cooling Capacity to Air Volume & Temperature
- › **SELF-ADJUSTING CONTROLS**
Provides Extremely Low & Constant Dew Point While Preventing Icing
- › **THERMALLY PROTECTED COOLING FANS & SAFETY SYSTEM**
Prevents Compressor Damage Due to Malfunction or High Working Temperatures
- › **SOLID CONSTRUCTION**
Powder Coated, Rugged Steel Cabinets with Removable Side Panels



BUILT BETTER



PRODRY™ HTD HIGH TEMPERATURE AIR DRYERS

MAXIMUM INLET TEMPERATURE 180° F

Dry, Cool, Clean Air is critical in many applications as well as essential in ensuring an air system's reliability and efficiency. Employing an air dryer with proper filtration ensures the delivery of clean, cool, dry compressed air, preventing moisture and contaminants from reaching sensitive areas downstream of the air compressor.

The Refrigerated, High-Temperature HTD Air Dryers range from 18 to 52 SCFM and are designed to handle air-inlet temperatures up to 180° F. The digital control panel allows for control and modification of many operating parameters to ensure optimum performance.

All ProDry™ HTD Air Dryers are equipped with a 2-stage heat-exchanger, improving efficiency and energy savings, and include a high-efficiency condensate separator and large surface-area refrigerant condenser.

Controller panel displays the dew point and details of operation of the internal compressor and condensate drain. Dew point temperature may be digitally set.

ProDry™ HTD Air Dryers are equipped with an automatic electronic drain.

These units are specifically designed for use with 5-15 HP reciprocating (piston) air compressors.



Correction factors for working pressure

PSI	73	87	102	116	131	145	160	174	188	203
FC1	0.85	0.93	1	1.06	1.11	1.15	1.18	1.2	1.22	1.24

Correction factors for ambient temperature

Deg.F/C	80/26	90/32	95/35	105/40	110/43	120/49
FC2	1.22	1.07	1	0.75	0.6	0.28

Correction factors for inlet air temperature

Deg.F/C	120/49	140/60	150/66	160/71	170/76	180/82	200/93
FC3	1.25	1.1	1	0.93	0.83	0.75	0.5

Calculations using correction factors; Actual Dryer Flow Rate = nominal dryer flow rate x FC1 x FC2 x FC3

Model #	Capacity CFM*	Voltage 1-Phase 60 Hz	Pipe size NPT	H	Dimensions W	L	Weight Lbs
HTD18	18	110	1/2"	17"	14 1/2"	18"	81
HTD26	26	110	1/2"	26"	14 3/8"	19 5/8"	75
HTD37	37	110	1/2"	26"	14 3/8"	19 5/8"	79
HTD52	52	110	1/2"	26"	14 3/8"	19 5/8"	86

DV Systems Recommends installation of a pre-filter upstream of the air dryer.

FOR MORE INFORMATION VISIT

DVCOMPRESSORS.COM

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ECOTRON

CONDENSATE FILTERING SYSTEM BY DV SYSTEMS



PROTECT
THE ENVIRONMENT



COMPLETE CONDENSATE DISPOSAL SOLUTION

- › Easy to install, service, test & maintain
- › Suitable for most systems:
 - Every type of compressor
 - Most types of oils or emulsions
 - Every type of drain
- › Two-stage filtration process
- › Same capacity for every type of oil
- › Same capacity for every type of compressor
- › No stagnant oil and water volumes
- › No bacteria growth
- › Electronic status indicator
- › Small footprint

Model capacities range from 88 to 2119 SCFM

www.dvcompressors.com

100+ YEARS OF ENGINEERING & MANUFACTURING EXCELLENCE

BUILT BETTER

ECOTRON



ECOTRON

CONDENSATE FILTERING SYSTEM BY DV SYSTEMS

The condensate discharged by a lubricated air compressor contains a significant quantity of oil and solid particles that will seriously pollute the environment if not removed. This mixture is classified as hazardous waste that cannot be discharged into municipal sewage systems unless the oil and contaminants are removed. The Ecotron Condensate Filtering System ensures that all oil contaminants contained in discharged condensate are effectively removed, protecting our environment.

HOW DOES IT WORK

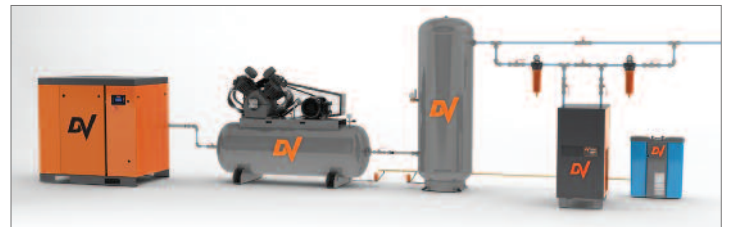
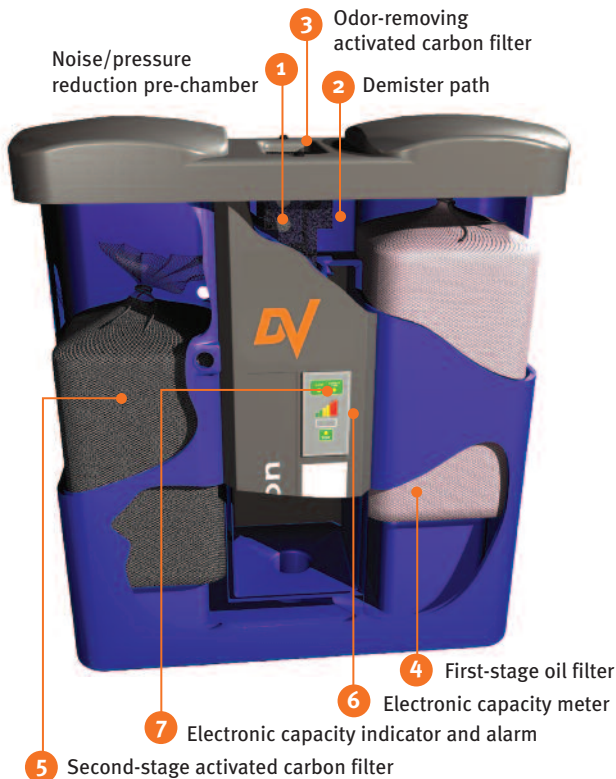
The system is based upon a simple process of filtration in 2 stages through 2 different filters.

From the inlet connection, condensation is introduced into a noise/pressure reduction pre-chamber (1) to allow the condensate to flow smoothly inside the separator.

In this chamber, solid particles are retained by the demister path (2), and any residual, de-compressed air is discharged from the top part (3) through an odor-removing activated carbon filter.

After this initial stage the mixture of water and oil flows via gravity down through the first filter (4) which, thanks to its physical characteristics, intercepts "only" the oil, and the water is consequently free to flow into the second stage of filtration where a deep bed of activated carbon (5) adsorbs any residual traces of oil, before the water is discharged from the outlet port.

A patented electronic device (6) located next to the first filter (4) gradually indicates the efficiency level of the first filter, allowing an easy check up of the unit. When the filter (4) is saturated an ALARM is shown (7) in the display, and a remote free contact advises the operator when the filters must be replaced.



Model	Total System		Dimensions A x B x C	Weight (lb.)	Inlet	Outlet	Repl. Kit
	SCFM	HP					
Ecotron 25	88	20	7" x 20 1/4" x 25 1/4"	17.6	1/2"	1/2"	KTRON25
Ecotron 50	177	40	7" x 20 1/4" x 25 1/4"	19.8	1/2"	1/2"	KTRON50
Ecotron 90	318	75	10 1/4" x 28 1/4" x 32"	39.6	1/2"+1/2"	1/2"+1/2"	KTRON90
Ecotron 180	635	150	10 1/4" x 28 1/4" x 32"	46.2	1/2"+1/2"	1/2"+1/2"	KTRON180
Ecotron 300	1,059	250	16 1/2" x 42" x 49"	129.8	3/4"+3/4"	3/4"+3/4"	KTRON300
Ecotron 600	2,119	500	16 1/2" x 42" x 49"	138.6	3/4"+3/4"	3/4"+3/4"	KTRON600

Correction factors for different ambient air temperatures and different relative humidity.

Temp. °C - hum. %	10 °C - 50 %	18 °C - 55 %	25 °C - 60 %	35 °C - 70 %
Factor	2	1.5	1	0.45

Discharge contains less than 5ppm of oil.



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As we are continually trying to improve our products, specifications are subject to change without notice.