



# Compressed Air Systems

**Quality & Value Since 1980**

**“Simplicity. It’s What We Do**

**Compressed Air Systems, LLC**

2626 Skyway Drive

Grand Prairie, TX, 75052

**1-800-531-9656**

Fax 972-352-6364

[www.compressed-air-systems.com](http://www.compressed-air-systems.com)

# CONTRACTOR SERIES

## Single Stage Direct Drive



### DD2022

1750 rpm oil bath pump  
4 gallon receiver  
2 HP  
3.7 cfm @ 100 psi  
operating pressure 95-125 psi  
115 volt  
65 lbs makes unit easy to carry



### DP2022

3450 RPM oil bath pump  
4 gallon receiver  
2 HP 4.3 cfm @ 100 psi  
operating pressure 95-125 psi  
115 volt  
65 lbs makes unit easy to carry



### DD2008

2 HP  
3.7 cfm @ 100 psi  
operating pressure 95-125 psi  
115 volt  
1750 rpm oil bath pump  
8 gallon receiver  
70 lbs with wheels makes  
unit easy to roll or carry

## Single Stage Belt Drive



### TM4020

7.2 CFM @ 100 PSI  
Operating Pressure 95-125  
115/230Volt 20 gallon



### TU4008MDC

8 GALLON LOW BOY  
TWIN TANK  
6.1 CFM @ 125 PSI  
115/230 VOLT 15 AMP



### TU7508MDC

8 GALLON LOW BOY  
21 CFM @125 PSI  
230 VOLT 24 AMP

## Gas Single Stage Belt Drive Contractor Series



### TU5508G

5.5 HP HONDA ENGINE  
10.1 CFM @ 125 PSI  
8 GALLON RECEIVER  
TWIN TANK LOW BOY DESIGN  
CAST IRON PUMP HEAD UNLOADED  
100-130 PSI OPERATING PRESSURE



### TU5520G

5.5 HP HONDA DRIVEN  
10.1 CFM @ 125 PSI  
20 GALLON RECEIVER  
CAST IRON PUMP HEAD UNLOADED  
OPERATING PRESSURE 100-130 PSI

# STATIONARY

Stationary commercial units are a high value compressor for light commercial applications and heavy hobbyist. These units are designed for applications that require high CFM per horse power at no more than a 50% duty cycle. The units have the following features

- Solid cast iron pump
- Slow pump RPM
- Plate restricted reed valves below 10 hp
- Oil sight glass
- 50% duty cycle
- Disc and spring valves 10 and 15 hp.
- High CFM output per HP
- No magnetic starter required below 10hp

## Vertical



**B51V6-GS12**  
5 HPspl  
9.2 cfm @ 100 psi  
operating pressure 95-125 psi  
230 volt  
175 lbs  
60 gallon ASME receiver

**B51V6-LD3065**  
6.5 HPspl  
12.8 cfm @ 100 psi  
operating pressure 95-125 psi  
230 volt  
195 lbs  
60 gallon ASME receiver

**B71V8-LD2080**  
6.5 HPspl  
16 cfm @ 130 psi  
operating pressure 95-125 psi  
230 volt  
375 lbs  
80 gallon ASME receiver

**B71V8-LD3080**  
7.5 HPspl  
20.4 cfm @ 130 psi  
operating pressure 95-125 psi  
230 volt  
445 lbs  
80 gallon ASME receiver

**B51V80-LD2080T**  
5 hp  
15 CFM @ 175 psi  
Operating pressure 145-175  
230 volt  
475 lb  
80 gallon asme receiver

## Single Stage Horizontal



**B103H120-GS33**  
10 HP  
40.2 cfm @ 130 psi  
operating pressure 100-130 psi  
675 lbs  
120 gallon ASME receiver

**B153H120-LD3100**  
15 HP  
58 cfm @ 130 psi  
operating pressure 100-130 psi  
840 lbs  
120 gallon ASME receiver

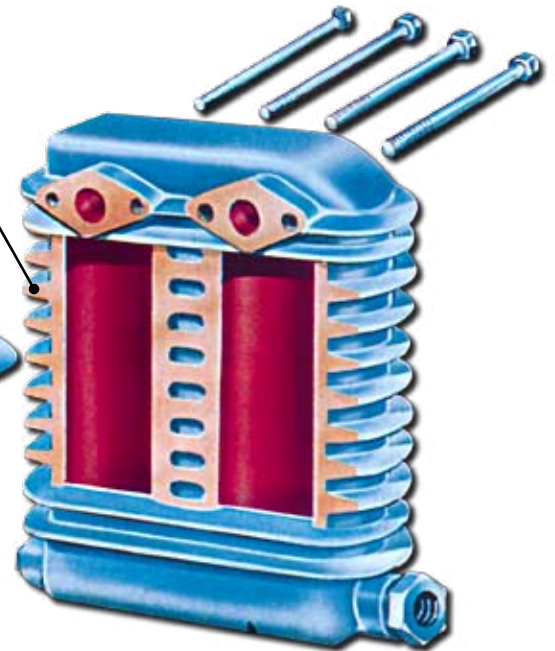
# CA1 AND CA2 PUMP FEATURES

**Built to Last Quality**



Disc and spring valves for long reliable service

Mounted cast iron intercooler for long life and finned for maximum cooling



Solid cast iron cylinder head for heavy duty use

Valves accessed from top of head for easy maintenance

Wrist pin needle bearings increase pump life and make maintenance simple

Solid cast iron cylinders precision honed for excellent oil control and long run life

Oil control ring as well as three compression rings ensure long run life and high efficiency

Centrifugal unloader allows load less starts in all conditions

Heavy duty over sized tapered roller bearings on both ends of crank shaft provide long run life and easy maintenance

Heavy duty large diameter crank shaft provide long run life, pump stability and inertia

Pump lower end inspection plate provides easy maintenance

Solid cast iron crank case reduces vibration and noise

Automotive style bearings on rods provide longer rod life and easy maintenance

# INDUSTRIAL

## 5-15 HP Large Industrial Duty Air Compressors

The CAS Industrial Series compressors are designed for Automotive and Industrial applications. The CA1 and CA2 pumps are Mfg for durability and long life. The units feature some of the most heavy duty features found in piston compressors today. The units are built heavy duty and run low RPM to provide reliable air for your application.



### CA1 PUMP

- Solid cast iron pump
- Disc and spring valves
- Centrifugal unloader
- Low pump rpm
- Oil sight glass
- Oil drain and fill on front of compressor pump
- 70% duty cycle
- Heavy duty NEMA motors
- OSHA style totally enclosed belt guard
- ASME code receivers

#### Accessories Available

- Hour Meter
- Belt Guard mounted aftercooler
- HOA operating switch
- Automatic Tank Drain
- Alternating relay
- Magnetic Motor Starter NEMA1
- Intake silencer
- Low Oil monitor
- Dual control constant run
- Rubber mounting pads
- TEFC motor
- Nema 4 control enclosure
- Explosion proof motor
- Explosion Proof control enclosure

Model	Hp	Cfm175psi	Tank	Pump	Vert/Hz	Volt	Weight
B51V84	5	16.5	80	CA1	V	1/230	605
B51H84	5	16.5	80	CA1	H	1/230	605
B53V8	5	16.5	80	CA1	V	3/230/460	605
B53H84	5	16.5	80	CA1	H	3/230/460	605
B71V84	7.5	20.3	80	CA1	V	1/230	615
B71V124	7.5	20.3	120	CA1	V	1/230	615
B71H84	7.5	20.3	80	CA1	H	1/230	780
B71H124	7.5	20.3	120	CA1	H	1/230	780
B73V84	7.5	20.3	80	CA1	V	3/230/460	635
B73H84	7.5	20.3	80	CA1	H	3/230/460	635
B73H124	7.5	20.3	120	CA1	H	3/230/460	780



### CA2 PUMP

Model	Hp	Cfm175psi	Tank	Pump	Vert/Hz	Volt	Weight
B73V126	7.5	28.5	120	CA2	V	3/230/460	780
B73H86	7.5	28.5	80	CA2	H	3/230/460	805
B73V86	7.5	28.5	80	CA2	V	3/230/460	835
B73H126	7.5	28.5	120	CA2	H	3/230/460	805
B71V126	7.5	27	120	CA2	V	1/230	835
B71H126	7.5	27	120	CA2	H	1/230	805
B71H86	7.5	27	80	CA2	H	1/230	835
B71V86	7.5	27	80	CA2	V	1/230	805
B103H86	10	35	80	CA2	H	3/230/460	805
B103V86	10	35	80	CA2	V	3/230/460	835
B103H126	10	35	120	CA2	H	3/230/460	835
B103V126	110	35	120	CA2	V	3/230/460	835
B101H86	10	32	80	CA2	H	1/230	805
B101V86	10	32	80	CA2	V	1/230	835
B101V126	10	32	120	CA2	V	1/230	835
B101H126	11	32	120	CA2	H	1/230	805
B153H126	15	40	80	CA2	H	3/230/460	835
B153H246	15	40	120	CA2	H	3/230/460	835

All industrial stationary units require magnetic starter.

# LARGE INDUSTRIAL

## 15-30 hp Large Industrial Duty Air Compressors

CAS large Industrial Compressors are designed for the heavy duty industrial air user that require reliability and value in a high CFM reciprocating compressor

The CASG43 pump features:

- Disc and spring valves
- Slow rpm
- Long stroke for maximum displacement
- Solid cast iron
- Oil sight glass
- 3 drive belts
- Large diameter fan on fly-wheel for cool running temperature.
- 70% duty cycle
- NEMA large frame motors
- ASME code receiver

### Accessories Available

- Hour Meter
- Belt Guard mounted aftercooler
- HOA operating switch
- Automatic Tank Drain
- Alternating relay
- Magnetic Motor Starter NEMA1
- Intake silencer
- Low oil monitor
- Dual control constant run
- Rubber mounting pads
- TEFC motor
- Nema 4 control enclosure
- Explosion proof motor
- Explosion Proof control enclosure

### G43-PUMP



Model	Hp	Cfm175psi	Tank	Pump	Vert/Hz	Volt	Weight
B153H127	15	53.4	120	G43	H	3/230/460	935
B153H247	15	53.4	240	G43	H	3/230/460	1050

All industrial stationary units require magnetic starter.

### 462 PUMP FEATURES

- Solid cast iron pump
- Low rpm
- Disc and spring valves
- Centrifugal unloader
- Low pump rpm
- Oil sight glass
- Oil drain and fill on front of compressor pump
- Head unloaded



### CAS-462-PUMP

Model	Hp	Cfm175psi	Tank	Pump	Vert/Hz	Volt	Weight
B203H128	20	81	120	462	H	3/230/460	915
B203H208	20	81	240	462	H	3/230/460	1030
B253H128	25	96	120	462	H	3/230/460	935
B253H248	25	96	240	462	H	3/230/460	1050
B303H129	30	102	120	462	H	3/230/460	955
B303H249	30	102	240	462	H	3/230/460	1100

All industrial stationary units require magnetic starter.

# ELITE SERIES

## Stationary Commercial Compressors

CAS Elite Series compressors feature a unique option package that makes your new compressor simpler to maintain and deliver higher quality air. The Elite options are available on all stationary compressors.



- **Belt guard cooler** delivers air at a much cooler temperature to the receiver. Compressed air that goes into the receive cool drops more moisture in the receiver. The moisture is then automatically drained from the receiver. That means less equipment damaging moisture is sent into your air lines.
- **Low oil monitor** will help to keep you notified when you need to add oil to the compressor pump.
- **Magnetic motor starter** protects your motor from over load and makes the important electrical contact to get the motor running.
- **Vibration isolators** are designed to protect your receiver from damage caused by vibration when the compressor is running.

\* Belt guard cooler not included on 5hp models

### Accessories Available for Elite Units

- Hour Meter
- HOA operating switch
- Alternating relay
- Intake silencer
- Dual control constant run
- Rubber mounting pads
- TEFC motor
- Nema 4 control enclosure
- Explosion proof motor
- Explosion proof control enclosure

**FREIGHT PREPAID  
ON ALL  
ELITE SERIES IN  
CONTINENTAL USA**

# SUPER DUTY SERIES

**NEW FOR 2008**

## 5-10HP Compressors

The CAS Super Duty Compressor Systems are built for the most demanding applications. The units utilize an over sized reciprocating pump running at very low RPM. The pumps are designed in a W cylinder alignment to provide 360deg cooling on all cylinders. The units are factory filled with CAS synthetic oil.



**FREIGHT PREPAID  
ON ALL  
SUPER DUTY SERIES  
IN CONTINENTAL USA**

### Pump Features

- 5 year pro rated limited warranty
- Solid cast iron
- Disc and spring valves
- Head unloaders
- Automotive style inserts
- Oil sight glass

### Super duty Features:

- Over sized low RPM pump
- Belt guard after cooler
- Automatic tank drain
- Low oil monitor
- Dual control operation
- Rubber mounting pads

### Available options

- Hour Meter
- HOA operating switch
- Intake silencer
- TEFC motor
- NEMA 4 control enclosure
- Explosion proof motor
- Explosion Proof control enclosure

### Super Duty Compressors

Model#	HP	CFM	Tank Mount	Vert/Horz	Pump	Voltage	Weight
B51V80-G23	5	17.5	80	V	G23	230/1	625
B51H80-G23	5	17.5	80	H	G23	230/1	625
B53V80-G23	5	17.5	80	V	G23	230/3	625
B53H80-G23	5	17.5	80	H	G23	230/3	625
B71V120-G33	7.5	24.3	120	V	G33	230/1	785
B71H120-G33	7.5	24.3	120	H	G33	230/1	785
B73V120-G33	7.5	24.3	120	V	G33	230/3	785
B73H120-G33	7.5	24.3	120	H	G33	230/3	785
B101V120-G43	10	36.5	120	V	G43	230/1	880
B101H120-G43	10	36.5	120	H	G43	230/1	880
B103V120-G43	10	36.5	120	V	G43	230/3	880
B103H120-G43	10	36.5	120	H	G43	230/3	880

\* 5 Year limited warranty covers labor for 1 year parts pro rated 80% after 1 year, 60% after year 2, 50% after year 3, 40% after year 4

# DUPLEX

The CAS duplex compressor is designed to offer the extra reliability needed by some of the most demanding applications. The compressors are built on a single tank with two motors and two pumps. The compressors can run together or you can turn on just one unit when air usage is low. The time delay start built into every CAS duplex compressor saves on the high demand rate charged by the electric company by not allowing both units to start at the same time. When you need extra reliability and space savings a CAS duplex is the right compressor for your application.



Duplex Compressors					
Model#	Hp	Pump	Cfm	Tank	Voltage
DB51H124	5	CA1	32.8	120H	230
DB53H124	5	CA1	32.8	120H	230/460
DB71H124	7.5	CA1	37.0	120H	230
DB73H124	7.5	CA1	37.0	120H	230/460
DB103H126	10	CA2	70	120H	230/460
DB103H246	10	CA2	70	240H	230/460
DB153H126	15	CA2	80	120H	230/460
DB153H247	15	G43	110	240H	230/460
DB253H248	25	462	192	240H	230/460
All Duplex units come standard with control panel with start delay in NEMA 1 enclosure					

Duplex units are available in our full featured Elite Series

#### Elite series Includes the following options

- Belt Guard After cooler
- Low oil monitor
- Electric automatic tank drain
- Rubber mounting pads

#### Additional options available

- Hour meter
- HOA operating switch
- Alternating relay
- Intake silencer
- Dual control constant run
- TEFC motor
- NEMA 4 control enclosure
- Explosion proof motor
- Explosion Proof control enclosure

# INDUSTRIAL PORTABLE

## 10 -15 HP GASOLINE AND DIESEL POWERED COMPRESSORS

CAS commercial gas and diesel compressors are designed for applications that require air on the go. The units are designed with durability and reliability in mind. The features of the CAS gas and diesel driven compressors are designed to make using these compressors simpler and easier to maintain than any other compressor in this class. The engine is standard on the drivers side of the vehicle. No more walking all the way around the truck to start the compressor. The unloader is at your finger tip so you can unload the compressor before starting. This means your solenoid and starter will last much longer. The transfer tube is protected by the receiver.

The CAS Industrial Series engine driven compressors are designed for commercial applications. All units include the following features:

- Solid cast iron pump
- Head unloaded
- Low rpm
- Disc and spring valves
- Centrifugal unloader
- Low pump rpm
- Oil sight glass
- Oil drain and fill on front of compressor pump
- 70% duty cycle
- OSHA style totally enclosed belt guard
- ASME code receivers



**Diesel Engine**



**Gasoline Engine**

### CA1 PUMP

HP	Model #	Cfm @ 175 Psi	Tank	Engine	Pump
13	C110GEH34HC	19	30	Honda 13	CA1U
13	C130GEC34HC	19	30	Kohler 13 Command	CA1U
13	C130GEJ34HC	19	30	JanDong	CA1U
15	C150GEC34HC	20.5	30	Kohler 15 Command	CA1U
10	C110GED34HC	16.4	30	Diesel 10	CA1U

50 gallon receiver available

### CA2 PUMP

HP	Model #	Cfm @175 PSI	Tank	Engine	Pump
15	C150GEC36HC-M	30	30	Kohler 15 Command	CA2U
16	C160GEH36HC-M	31	30	Honda 16	CA2U
18	C180GEC36HC-M	35	30	Kohler 18 Command	CA2U
18	C180GEH36HC-M	35	30	Honda 18	CA2U
25	C250GECBM-352	50	Base	Kohler 25	G43
27	C270GEDBM	58	Base	Diesel 27	G43

50 gallon receiver available



# ELITE PORTABLE

## Gasoline Powered Air Compressor

The CAS Gas and Diesel powered Elite compressor are a innovation that only CAS offers. The units come with the accessories that make using the compressor easy and maintenance simple. All units head unloaded, cast iron pumps, low rpm, auto idle, electric start. Engine standard on driver side of vehicle, two stage 145-175-psi op pressure

- **On-board Battery** with recharge system. This make installation simple. No wire to run. No worries about voiding vehicle warranty
- **Belt Guard after cooler** This cools the air before it goes into the receiver So more moisture stays in the receiver rather than running to your air tools.
- **Automatic tank drain** Used with the belt guard cooler this drains the moisture from the receiver so you don't have to crawl under the compressor to manually drain the receiver
- **Rubber mounting pads** This helps prevent the vibration of the unit from causing loose nuts and bolts.



# PORTABLE SCREW

## Gasoline and Diesel Powered

The CAS portable screw compressors are designed for the most demanding portable compressor applications. The screw air end is designed for years of service in high duty cycle applications. If your application calls for high cfm output in a small package the CAS portable screw compressor is built with you in mind.

- Electric start motor idles when unloaded
- 30 gallon ASME receiver unit delivers 60 cfm @ 150psi.
- Operating pressures from 100-180 psi
- German made rotary screw air end spin on separator and oil filter
- low oil shut down and temp shut down
- High pressure shut down



HP	Model #	Cfm @175 PSI	Tank	Engine	Pump
18	RS180GEH30-NK30	36	30	Honda	NK30
18	RS180GEC30-NK30	36	30	Honda	NK30
18	RS180DEL30-NK30	36	30	Lambordini Diesel	NK30
19	RS190DEH30-NK30	36	30	Hatz Diesel	NK30
18	RS250GEC30-NK60	60	30	Kohler	NK60

# ROTARY SCREW

## RS Series Screw Compressors

The CAS 5-10hp screw compressors are a great fit for almost any application. The unit has a 100% duty cycle so you cannot over work the compressor. The simple maintenance and once a year oil change has made this series a perfect fit for Drycleaners, Body shops, Cabinet shops and many other applications. This series is the best priced screw compressors assembled in the USA



- Available 5 thru 10 hp
- Operating pressures from 100 thru 180 psi
- Low tip speeds on air end for long life
- Less than 3 ppm oil carry over
- One solenoid valve to operate machine
- Quiet operation
- Spin on separator and oil filter
- Available with receiver
- Oil after-cooler standard on all models
- 8000 hour full synthetic oil standard
- Order 125, 150 175 or 195 operating pressure no extra charge
- Analog controls. No unnecessary and unreliable microprocessor
- 5 year extended warranty available for air end\*

### Additional options available

- Compressor Enclosure
- Y Delta starter
- Microprocessor
- TEFC motor

### RS Series Screw Compressor

Model#	HP	CFM	Tank Mount	Vert/Horz	Pump	Voltage	Weight
RS53H80-M	5	18	80	H	NK30	230/480/3	505
RS53V80-M	5	18	80	V	NK30	230/480/3	505
RS51H80-M	5	18	80	H	NK30	230/1	505
RS51V80-M	5	18	80	V	NK30	230/1	505
RS73H80-M	7.5	28	80	H	NK30	230/480/3	635
RS73V80-M	7.5	28	80	V	NK30	230/480/3	635
RS71H80-M	7.5	28	80	H	NK30	230/1	635
RS71V80-M	7.5	28	80	V	NK30	230/1	635
RS103H80-M	10	41	80	H	NK30	230/480/3	685
RS103V80-M	10	41	80	V	NK30	230/480/3	685
RS101H80-M	10	41	80	H	NK30	230/1	685
RS101V80-M	10	41	80	V	NK30	230/1	685
RS103H120-M	10	41	120	H	NK30	230/480/3	785
RS103V120-M	10	41	120	V	NK30	230/480/3	785
RS101H120-M	10	41	120	H	NK30	230/1	785
RS101V120-M	10	41	120	V	NK30	230/1	785

Timer for auto shut down for all models  
 Screw compressors available to 300 HP call for quote on larger sizes  
 All above units available base mounted with out receiver

### Elite feature include

- Air/ Oil Cooler
- Timed shut down
- Auto tank drain
- Rubber mounting pads

**Free Freight 48 states**

# 15-50 HP ROTARY SCREW

## RS Series Screw Compressors

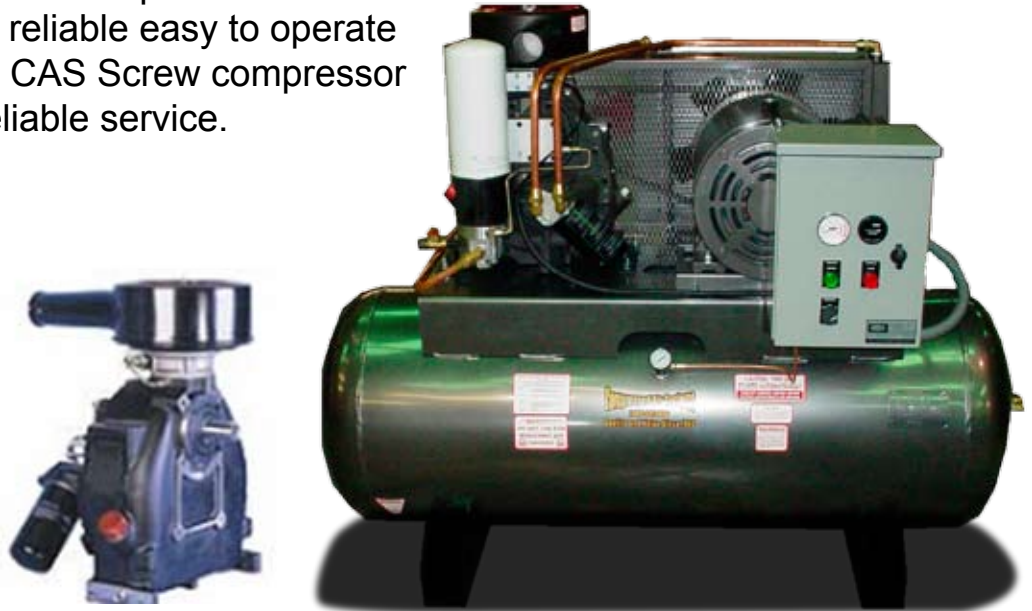
The CAS 15-50 HP screw compressors are designed for demanding applications that require high CFM and pressures to 180 psi. The units are engineered with design simplicity. The fewer parts the more reliable the compressor will be. The control panel is simple to operate and simple to trouble shoot.

This is to give you a more reliable easy to operate compressor systems. The CAS Screw compressor is designed for years of reliable service.

- Available 15 thru 50 hp
- Operating pressures from 100 thru 180 psi
- Low tip speeds on air end for long life
- Less than 3 ppm oil carry over
- One solenoid valve to operate machine
- Quiet operation
- Spin on separator and oil filter
- Come standard with receiver
- Oil after-cooler standard on all models
- 8000 hour full synthetic oil standard
- Order 125, 150 175 or 195 operating pressure no extra charge
- Analog controls. No unnecessary and unreliable microprocessor
- 5 year extended warranty available for air end\*

### Additional options available

- Compressor Enclosure
- Y Delta starter
- Microprocessor TEFC motor



### RS Series Screw Compressor

Model#	HP	CFM	Tank	Vert/Horz	Pump	Voltage	Weight
RS153H120-M	15	68	120	H	NK60	230/460/3	805
RS153V120-M	15	68	120	V	NK60	230/460/3	805
RS230H120-M	20	75	120	H	NK60	230/480/3	805
RS230V120-M	20	75	120	V	NK60	230/480/3	805
RS253H120-M	25	88	120	H	NK60	230/480/3	905
RS253V120-M	25	88	120	V	NK60	230/480/3	905
RS253H120-M	25	108	120	H	NK100	230/460/3	1005
RS303H120-M	30	130	120	H	NK100	230/480/3	1105
RS403H120-M	40	160	120	H	NK100	480/3	1155
RS50BM	50	205	Base Mount	Base	NK160	480/3	1100

Timer for auto shut down for all models  
 Screw compressors available to 300 HP call for quote on larger sizes  
 All above units available base mounted with out receiver

### Elite feature include

- Air/ Oil Cooler
- Timed shut down
- Auto Tank drain
- Rubber mounting pads

**Free Freight 48 states**

# ACCESSORIES

## Inline Filters

Filter	Pipe Size	Bowl Capacity	F3 Particulate	Flow (SCFM)	F4 Oil Removal	Flow (SCFM)	F5 Coalescer	Flow (SCFM)	F6 Adsorber	Flow (SCFM)	F7 2 in 1	Flow (SCFM)
Mini	1/8"	1 oz.	<b>F300-01</b>	27	—	—	<b>F500-01</b>	15	—	—	—	—
	1/4"	1 oz.	<b>F300-02</b>	27	—	—	<b>F500-02</b>	15	—	—	—	—
Tri-Star	1/4"	5 oz.	<b>F352</b>	48	<b>F452W*</b>	27	<b>F552W*</b>	24	<b>F652W*</b>	24	—	—
	3/8"	5 oz.	<b>F353</b>	75	<b>F453W*</b>	45	<b>F553W*</b>	37	<b>F653W*</b>	37	—	—
	1/2"	5 oz.	<b>F354</b>	100	<b>F454W*</b>	53	<b>F554W*</b>	37	<b>F654W*</b>	37	—	—
Midflow	3/8"	10 oz.	<b>F373W</b>	110	<b>F473W</b>	66	<b>F573W</b>	48	<b>F673W</b>	48	<b>F773W</b>	48
	1/2"	10 oz.	<b>F374W</b>	160	<b>F474W</b>	83	<b>F574W</b>	55	<b>F674W</b>	56	<b>F774W</b>	55
	3/4"	10 oz.	<b>F376W</b>	230	<b>F476W</b>	98	<b>F576W</b>	60	<b>F676W</b>	60	<b>F776W</b>	60
High Flow	3/4"	29 oz.	<b>F329-06W</b>	260	<b>F405-06W</b>	185	<b>F505-06W</b>	185	<b>F605-06W</b>	185	<b>F705-06W</b>	185
	1"	29 oz.	<b>F329-08W</b>	300	<b>F405-08W</b>	185	<b>F508-08W</b>	300	<b>F608-08W</b>	300	<b>F705-08W</b>	185
	1 1/2"	29 oz.	<b>F329-12W</b>	425	<b>F408-12DW</b>	400	—	—	<b>F608-12W</b>	400	<b>F708-12W</b>	400
	1 1/2"	1 element	<b>F358HF-12</b>	550	<b>F410-12</b>	475	<b>F510-12</b>	415	<b>F610-12</b>	475	<b>F710-12</b>	400
	1 1/2"	1 element	<b>F3N1-12</b>	910	<b>F418-12</b>	590	<b>F518-12</b>	515	<b>F618-12</b>	590	<b>F718-12</b>	590
	2"	1 element	<b>F3N1-16</b>	910	<b>F410-16</b>	475	<b>F510-16</b>	415	<b>F610-16</b>	475	<b>F710-16</b>	475
	2"	1 element	—	—	<b>F418-16</b>	590	<b>F518-16</b>	515	<b>F618-16</b>	590	<b>F718-16</b>	590
	2"	1 element	—	—	<b>F428-16</b>	840	<b>F528-16</b>	765	<b>F628-16</b>	840	<b>F728-16</b>	840
	3"	1 element	<b>F3NHF-24</b>	1300	<b>F411-24</b>	620	<b>F511-24</b>	620	<b>F611-24</b>	620	<b>F711-24</b>	620
	3"	1 element	—	—	<b>F419-24</b>	770	<b>F519-24</b>	770	<b>F619-24</b>	770	<b>F719-24</b>	770
3"	1 element	—	—	<b>F429-24</b>	1100	<b>F529-24</b>	1100	<b>F629-24</b>	1100	<b>F729-24</b>	1100	
ASME	3"NPT	2 elements	<b>F3AN2M-24</b>	2760	<b>F4AN2M-24</b>	1700	<b>F5AN2M-24</b>	1360	—	—	—	—
	3"Flg.	2 elements	<b>F3AX2M-24</b>	2760	<b>F4AX2M-24</b>	1700	<b>F5AX2M-24</b>	1360	—	—	—	—
	3"NPT	2 elements	—	—	<b>F4AN2L-24</b>	2100	<b>F5AN2L-24</b>	1800	—	—	—	—
	3"Flg.	2 elements	—	—	<b>F4AX2L-24</b>	2100	<b>F5AX2L-24</b>	1800	—	—	—	—
	4"Flg.	2 elements	<b>F3AX2M-32</b>	3200	<b>F4AX2M-32</b>	2000	<b>F5AX2M-32</b>	1400	—	—	—	—
	4"Flg.	3 elements	<b>F3AX3L-32</b>	4000	<b>F4AX2L-32**</b>	2300	<b>F5AX2L-32**</b>	1880	—	—	—	—
	4"Flg.	3 elements	—	—	<b>F4AX3L-32</b>	3000	<b>F5AX3L-32</b>	2100	—	—	—	—
	6"Flg.	3 elements	<b>F3AX3L-48</b>	4600	<b>F4AX3L-48</b>	3160	<b>F5AX3L-48</b>	2300	—	—	—	—
6"Flg.	4 elements	<b>F3AX4L-48</b>	5800	<b>F4AX4L-48</b>	4200	<b>F5AX4L-48</b>	3000	—	—	—	—	

-- 6 oz. bowl    \*\* - 2 Elements



### Filter Options

A - .01 Micron Element for F5  
 D - Differential Pressure Gauge  
 F - Internal Float Drain  
 J - Overnight Drain (plastic bowls)  
 K - Overnight Drain (metal bowls)  
 M - Metal Bowl (epoxy coated)  
 T - External Float Drain  
 W - Metal Bowl w/Sight Glass  
 Z - Piston Drain (mini filters only)  
 5 - 5 Micron Element  
 3 - 3 Micron Absolute Element  
 Add Suffix to Part No. in Alphabetical Order

### Pressure Differential Gauge

This color coded indicator shows when a filter element needs to be serviced.  
 See catalog X2008 for details.

### Filter and Integral Filter/Regulator Performance Specifications

Warning! Polycarbonate plastic bowls could rupture if exposed to incompatible chemicals whether inside or outside the bowl. If such chemicals are present, use a metal bowl.

Bowl	Maximum Pressure	Temperature Rating
Plastic	150 psig	40°F to 120°F
Metal	250 psig	40°F to 200°F
W/Sight Glass	250 psig	40°F to 160°F
W/Auto Drain	30 to 175 psig	40°F to 120°F



Miniature for Air Service			
Pipe Size	Model Number	Description	Max. Flow (SCFM)
1/8"	R161	Die cast zinc	25
1/4"	R162	Die cast zinc	25
1/8"	R261	Glass-filled nylon	25
1/4"	R262	Glass-filled nylon	25

Maximum supply pressure 250 psig. Temp. 40°F to 120°F.



Miniature		
Pipe Size	Model Number	Max. Flow (SCFM)
1/8"	B741	20
1/4"	B742	20



Tri-Star		
Pipe Size	Model Number	Max. Flow (SCFM)
1/4"	R352	50
3/8"	R353	80
1/2"	R354	100

Maximum supply pressure 250 psig. Temp. 40°F to 120°F.



Tri-Star		
Pipe Size	Model Number	Max. Flow (SCFM)
1/4"	B752	50
3/8"	B753	80
1/2"	B754	100



MidFlow		
Pipe Size	Model Number	Max. Flow (SCFM)
3/8"	R373	170
1/2"	R374	215
3/4"	R376	220
1"	R378	250

Maximum supply pressure 250 psig. Temp. 40°F to 120°F.



High Flow		
Pipe Size	Model Number	Max. Flow (SCFM)
1"	R398	600
1 1/4"	R3910	700
1 1/2"	R3912	700

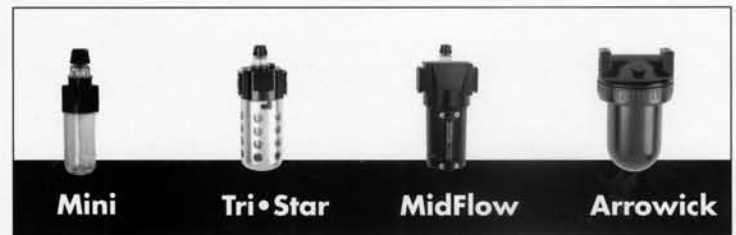
Maximum supply pressure 250 psig. Temp. 40°F to 120°F.

### Lubricators: Arrowfog, Ultrafog, and Arrowwick

**Arrowfog** sends all metered oil down line in fog droplets; accommodates a wide range of applications.

**Ultrafog** allows precise adjustment control. Atomizes oil droplets to a fine mist for reclassification in the bowl before sending lighter particles of oil down line.

**Arrowwick** uses an adjustable saturated wick to send particles of oil downline. Eliminates many problems found with drop style lubricators.



### Regulator and Filter/Regulator Options

- F - Internal Float Drain
- M - Metal Bowl
- G - Gauge (0-160 psi)
- N - Non-Relieving
- H - High Pressure (0 - 250 psi)
- P - Panel Mount
- I - Instrument Low Pressure (0 - 20 psi)
- T - T-Handle Adjustment
- J - Overnight Drain (plastic bowl)
- W - Metal Bowl w/Sight Glass
- K - Overnight Drain (metal bowl)
- 3 - 3 Micron Absolute Element
- L - Low Pressure (0 - 60 psi)
- 5 - 5 Micron Element

Add Suffix to part number in alphabetical order.  
Standard Regulator Pressure Adjustment is 0 to 125 psi.

### Miniature Relief Valves



Miniature		
Pipe Size	Model Number	Description
1/8"	E191	Die cast zinc
1/4"	E192	Die cast zinc
1/8"	E291	Glass-filled nylon
1/4"	E292	Glass-filled nylon

Max. Initial Pressure  
150 psi

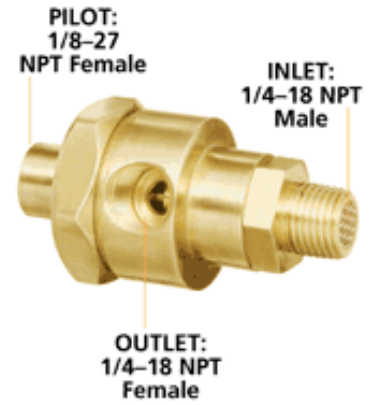
Max. Temp. Range  
40°F to 120°F

Pipe Size	Bowl Capacity	Standard Bowl	Model Number	Max. Flow (SCFM)
1/8"	1 oz.	Plastic	L181	16
1/4"	1 oz.	Plastic	L182	16
<b>Tri-Star</b>				
		<b>Arrowfog</b>		<b>Ultrafog</b>
1/4"	5 oz.	Plastic	L352	16
3/8"	5 oz.	Plastic	L353	82
1/2"	5 oz.	Plastic	L354	142
<b>Midflow</b>				
3/8"	10 oz.	Metal	L373W	82
1/2"	10 oz.	Metal	L374W	142
3/4"	10 oz.	Metal	L376W	142
<b>Highflow</b>				
3/4"	29 oz.	Metal	4106	LCM Arrowwick
1"	29 oz.	Metal	4108	LCM Arrowwick
1 1/2"	29 oz.	Metal	4112	LCM Arrowwick

Lubricator Options: M-Metal Bowl, W-Metal Bowl w/Sight Glass  
Refer to Catalog X2008 for performance specifications.

# ACCESSORIES

Accessories	
Part #	Description
WV1	AIR OPERATED AUTO DRAIN
ET20TM	115 VOLT ELECTRIC AUTO DRAIN
3X3X1	3"X 3"X1" RUBBER CORK VIBERATION PADS
4X4X1	4"X 4"X1" RUBBER CORK VIBERATION PADS
3353102	LOW OIL SWITCH
M-15-93531	35 CFM BELT GUARD COOLER
M-20-93532	75 CFM BELT GUARD COOLER
M-25-76878	100 CFM BELT GUARD COOLER
CA-1 Silencer	1" INTAKE SILENCER



## Refrigerated Dryers



### Product Features

Models	Lighted Compressor on/off switch	Dew Point Indicator	115v/60/1 grounded, 8 foot, power cord	Timer Operated Drain Valve, Isolation Valve, Strainer	Panel Mounted Drain Valve Adjustments	R-134a, HFC Refrigerant	Reciprocating Compressors	Copper Tube-on-Tube Heat Exchanger	Refrigeration System				Fan Cycling	High Pressure Cut-out Switch	CSA Approved
									Constant Pressure Expansion Valve	304ss Heat Exchanger, Demister and Moisture Separator	Capillary Tube & Hot Gas Bypass Valve				
10 & 15	S	-	S	S*	-	S	S	S	S	-	-	-	-	S	
25-50	S	S	S	S	-	S	S	S	S	-	-	-	-	S	
75-150	S	S	S	S	-	S	S	-	-	S	S	S	-	S	
200-500	S	S	-	S	S	S	S	-	-	S	S	S	S	S	

\* Float Drain is standard on Model HG10

### Product Specifications

Model	Capacity <sup>1</sup>		Inlet/Outlet		Power Supply	Input Power <sup>2</sup>	Refrigerant	Height		Width		Depth		Shipping Weight	
	scfm	Nm <sup>3</sup> /min	npt, male					inches	mm	inches	mm	inches	mm	lbs.	kg.
HG10	10	28	3/8		115/1/60	0.20	R134a	15	381	13	320	13	320	64	29
HG15	15	42	3/8		115/1/60	0.24	R134a	15	381	13	320	13	320	69	31
HG25	25	71	3/8		115/1/60	0.41	R134a	22	569	15	368	15	368	88	40
HG35	35	99	3/8		115/1/60	0.46	R134a	22	569	15	368	15	368	92	42
HG50	50	142	3/8		115/1/60	0.57	R134a	22	569	20	500	20	500	101	46
HGE75	75	212	3/8		115/1/60	0.72	R134a	20	510	19	480	21	526	110	50
HGE100	100	283	1		115/1/60	0.74	R134a	21	525	13	330	30	761	123	56
HGE125	125	354	1		115/1/60	0.76	R134a	21	525	13	330	30	761	133	60
HGE150	150	425	1		115/1/60	1.11	R134a	21	525	13	330	30	761	153	69
HGE200	200	566	1 1/2		460/3/60	1.42	R134a	30	762	17	437	36	904	183	83
HGE250	250	708	1 1/2		460/3/60	1.98	R134a	30	762	17	437	36	904	211	96
HGE300	300	850	1 1/2		460/3/60	2.05	R134a	30	759	20	518	38	953	218	99
HGE400	400	1133	2		460/3/60	2.50	R134a	30	759	21	541	38	953	232	105
HGE500	500	1416	2		460/3/60	3.06	R134a	32	800	25	640	41	1052	262	119

<sup>1</sup> Rated Flow Capacity - Conditions for rating dryers are in accordance with CAGI (Compressed Air and Gas Institute) Standard ADF 100: Refrigerated Compressed Air Dryers - Methods for Testing and Rating. Conditions for rating above dryers are: compressed air at dryer inlet: 100 psig (7kgf/cm<sup>2</sup>) and 100°F (38°C) saturated; ambient temperature: 100°F (38°C); operating on 60 Hz power supply.

<sup>2</sup> At rated conditions, pressure drop is less than 5 psi.

<sup>3</sup> At 35°F (2°C) evaporator and 100°F (38°C) ambient