

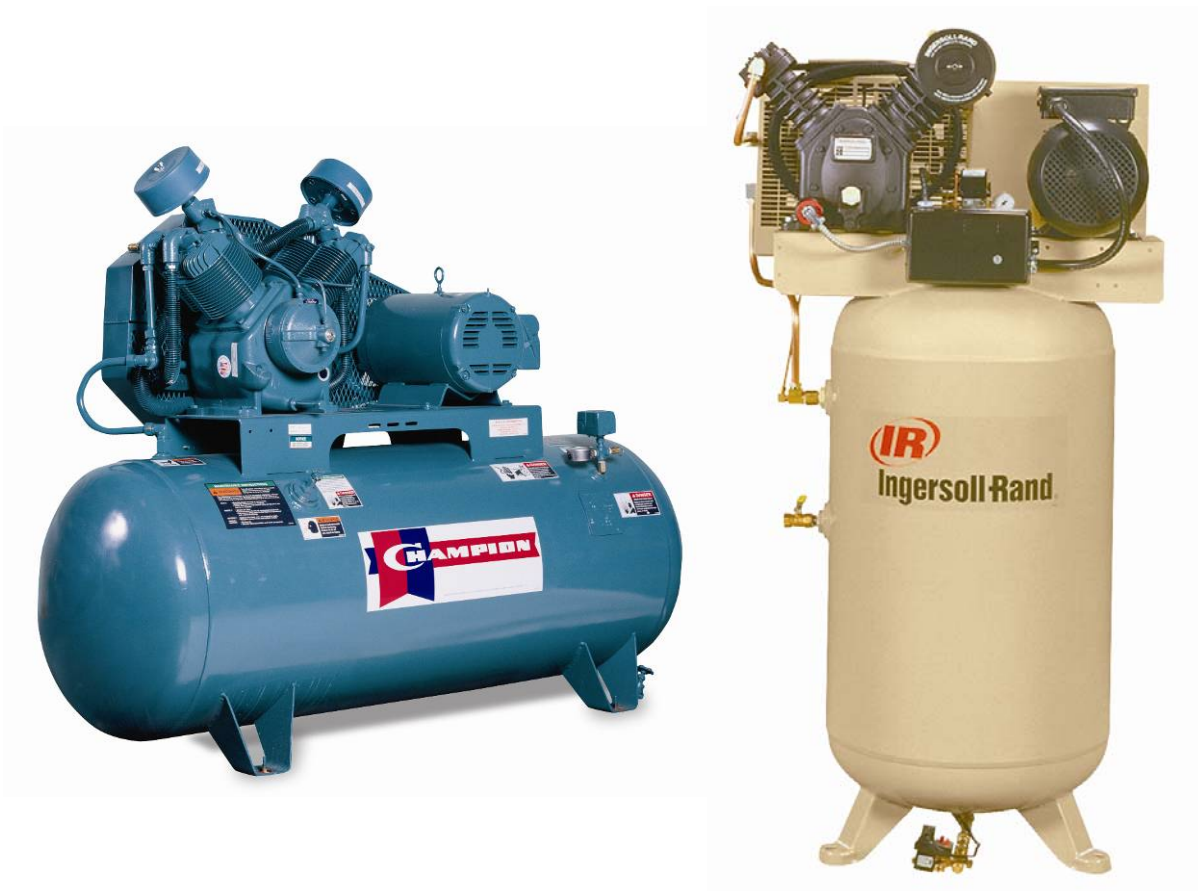
Go Direct

SONNY'S[®]

THE CAR WASH FACTORY

SonnysDirect.com/go-direct/

Air Compressor



Manual

Sonny's Enterprises, Inc.
5605 Hiatus Road
Tamarac, Florida 33321

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INTRODUCTION

This Owner's Manual contains information that is vital to the successful installation, operation and maintenance of your SONNY'S Vehicle washing equipment.

Please read, and understand, the full contents of this manual before installation and operation of the equipment. Keep this booklet in a location where it may be used for ongoing reference.

Should you have any questions on the operation of servicing of this equipment please contact

TECHNICAL SERVICES DEPT.
SONNY'S ENTERPRISES INC.
5605 Hiatus Road
TAMARAC, FLORIDA
TELEPHONE: 800-327-8723 FAX: 800-495-4049.

THANK YOU FOR YOUR CONFIDENCE IN SONNY'S !!!!!



Product Specifications

- 5, 7.5, 10, 15, and 20 (twin 10) horsepower compressed air producers.
- 80 and 120 gallon tanks, available in horizontal or vertical models.
- Multi-finned cylinders for cooler operation.
- Reliable high-flow valves made of Swedish steel for long life.
- Balanced aluminum alloy pistons.
- Splash-lubrication delivers long life and high performance.
- Available low oil monitor to protect compressor.
- Available air-cooled after-cooler to reduce moisture.
- Available constant speed operation.
- Available automatic tank drain.
- Operating voltage 208/230/460 Volt 3 Phase.

Optional Related Equipment



CHAMPION Reciprocating Air Compressors

Loaded with rugged features, these splash-lubricated compressors deliver high performance, long life and tremendous value.

- **MULTI-FINNED CYLINDERS:** Cooler operating temperatures result in longer life and consistent performance over time.
- **RELIABLE, HIGH-FLOW VALVES:** Single-unit, disc-type valves provide low lift and long life. Discs are made of corrosion resistant Swedish steel. Valves are easily serviced by removing the manifolds only.
- **BALANCED PISTONS:** Aluminum alloy first-stage piston is weight matched to the cast iron second-stage piston, ensuring proper balance.

Optional Features
MAGNETIC STARTER: For thermal overload protection.
VIBRATION ISOLATORS: Rubber Mounting pads - no lag bolts required.
AUTOMATIC TANK DRAIN: Automatically removes water from air receiver.
LOW OIL MONITOR: Shuts down compressor if oil level drops.
AIR-COOLED AFTERCOOLER: Removes moisture from discharged compressed air.
DUAL CONTROL: Allows compressor to run either in start/stop or constant speed mode.

*Specify voltage when ordering

Horizontal Compressors

Item #	Description	Mag Starter	Vibration Isolators	Auto Drain	Low Oil Monitor	Air-Cool After cool	Dual Control	Voltage*	Price
HRV7F-8	Compressor, 7.5 HP, 80G, Horizontal							208/230/480	\$1534.50
HR5-8A	Compressor, 5HP, 80G, Horiz, Advantage	X	X	X	X			208/230/480	2590.75
HRV10-12	Compressor, 10 HP, 120G Horizontal							208/230/480	2524.50
HRV15F-12	Compressor, 15 HP, 120G, Horizontal							208/230/480	2744.50
HRV10-8	Compressor, 10 HP, 80G, Horizontal							208/230/480	3074.50
HR10-12A	Compressor, 10 HP, 120G, Horiz, Advant	X	X	X	X	X	X	208/230/480	4902.39
HR15-12A	Compressor, 15HP, 120G, Horiz, Advant	X	X	X	X	X	X	208/230/480	6025.98

Vertical Compressors

Item #	Description	Mag Starter	Vibration Isolators	Auto Drain	Low Oil Switch	Air-Cool Aftercool	Dual Control	Voltage*	Price
VRV5-8	Compressor, 5 HP, 80G, Verticle							208/230/480	\$1424.50
VRV7F-8	Compressor, 7.5 HP, 80G, Verticle							208/230/480	1534.50
VRV5-12	Compressor, 5 HP, 120G, Verticle							208/230/480	1650.00
VRV7F-12	Compressor, 7.5 HP, 120G, Verticle							208/230/480	1732.50
VR5-8A	Compressor, 5HP, 80G, Vert, Advantage	X	X	X	X			208/230/480	2590.75
VR7F-8A	Compressor, 7.5HP, 80G Vert. Advantage	X	X	X	X	X		208/230/480	2530.00
VRV10-12	Compressor, 10HP, 120G, Verticle							208/230/480	2800.00
VRV15F-12	Compressor, 15HP, 120G, Verticle							208/230/480	2965.00
VR10-12A	Compressor, 10HP, 120G, Vert, Advantage	X	X	X	X	X		208/230/480	5171.78



Two-Stage Duplex Air Compressors

For extra air delivery when you need it without wasted space. Provides the flexibility of single operation, alternating between compressors, or duplex operation to meet high air demand.

Item #	Description	Price
HR10D-12	Compressor, 10 HP Duplex, 120 Gal	\$5766.00
HR7D-12	Compressor, 7 1/2-Duplex, 120 Gal Horiz	6099.00



Air Dryer - Filter Combination

- Provides your compressed air system with a space-saving method to dry and filter compressed air.
- Unique design featuring integrated Champion CFF cold coalescing filters into the refrigerated dryer filters solid particulates, oil droplets and aerosols.

Item #	Description	Price
CRN25	Air Dryer/ Filter Combination 25 CFM	\$868.00
CRN35	Air Dryer/ Filter Combination 35 CFM	1094.50
CRN50	Air Dryer/ Filter Combination 50 CFM	1495.00



Ingersoll Rand **FULL PACKAGE** Air Compressors

Full Package Includes:

- 100% Cast Iron Pump
- Starter Mounted & Wired.
- Pressure Switch
- Manual Drain Valve
- OSHA Approved Belt Guard
- Mounted Inter-Cooler
- Hi Dust Inlet Filter
- High Grade Rubber Vibration Pads

Also Included in Full Package:

- Air-Cooled After-Cooler with safety valve. Removes water & lowers air temperature
- Programmable Auto Drain 115 volt. Insures water removal from tank
- Full time low level oil switch. Stops unit when low on oil.
- Dual control (start/ stop or constant speed control 10HP knob

Item #	Tank Size	HP	Capacity	Voltage	Dimensions	Recommended Air Dryer	Price*
Vertical							
VR5-8IR/P	80 GAL	5	16.8 cfm	208/230/460	30 x 37 x 73	AD15	\$2248.50
VR7-8IR/P	80 GAL	7.5	24.3 cfm	208/230/460	26 x 38 x 70	AD25	2389.50
VR10-12IR/P	120 GAL	10	35.2 cfm	208/230/460	44 x 32 x 82	AD35	3559.50
Horizontal							
HR5-8IR/P	80 GAL	5	16.8 cfm	208/230/460	67 x 24x 47	AD15	2248.50
HR10-12IR/P	120 GAL	10	35.2 cfm	208/230/460	72 x 30 x 56	AD35	3559.50
HR15-120IR/P	120 GAL	15	50.5 cfm	208/230/460	72 x 30 x 56	AD50	4810.50

* All pricing includes Start Up Kit.



Ingersoll Rand **STANDARD PACKAGE** Air Compressors

Standard Package Includes:

- 100% Cast Iron Pump
- Starter Mounted & Wiredsteel.
- Pressure Switch
- Manual Drain Valve
- OSHA Approved Belt Guard
- Mounted Inter-Cooler
- Hi Dust Inlet Filter
- High Grade Rubber Vibration Pads

Start up Kit

Included in price of all air compressors



- Factory 2 yr warranty on pump
- Factory fill of T-30 synthetic oil
- Enough synthetic oil for two oil changes
- Replacement air filter elements
- Proof of warranty decal

Item #	Tank Size	HP	Capacity	Voltage	Dimensions	Price*
Vertical						
VR5-8IR/S	80 GAL	5	16.8 cfm	208/230/460	26 x 38 x 70	\$1831.50
VR7-8IR/S	80 GAL	7.5	24.3 cfm	208/230/460	26 x 38 x 70	2041.50
VR10-12IR/S	120 GAL	10	35.2 cfm	208/230/460	73 x 28 x 51	2437.50
Horizontal						
HR10-12IR/S	120 GAL	10	35.2 cfm	208/230/460	73 x 28 x 51	2437.50
HR15-12IR/S	120 GAL	15	50.5 cfm	208/230/460	72 x 29 x 57	3550.50

* All pricing includes Start Up Kit.

SAFETY REQUIREMENTS

1. Only those employees specifically instructed by the location manager will be permitted to enter the wash tunnel to perform inspections or maintenance.
2. Do not enter the wash tunnel when the equipment is operating.
3. Always exercise caution when walking through the wash area, may be slippery conditions.
4. Be cautious when walking thru the tunnel to avoid running into or tripping over equipment.
5. Do not ever run through the wash area.
6. Do not perform any work on equipment unless you performed Lock-Out Safety Precautions.
7. When maintenance requires that a piece of equipment be in operation, one qualified maintenance person must stay at the power disconnect switch while that equipment is operating.
8. All electrically powered equipment must have manually operated disconnects capable of being locked in the "OFF" position. Equipment that has been "locked out" for any reason can only be restarted by the person who performed the "lock out" operation.
9. Do not attempt to repair or adjust any pressurized liquid or pneumatic part, hose, pipe or fitting while that equipment is in operation.
10. Any "Stop" switch activated must be reset only by the person who initiated the operation.
11. Electrical connections and repairs are to be performed only by a Licensed Electrician Only.
12. Store all cleaning and washing solutions and oils in a well ventilated area.
13. Clean up fluid spills immediately to prevent hazardous safety conditions.
14. Be certain to follow all safety procedures on MSDS Sheets for each chemical product used.
15. All new employees must be thoroughly trained in safe operating and maintenance practices.
16. All employees must attend periodically scheduled safety procedure sessions.
17. Do not operate any piece of equipment that requires safety covers with those covers removed or improperly installed.
18. Do not allow any part of your body or other object to come in contact with moving machinery.
19. Do not wear loose fitting clothing around moving machinery.
20. At least two qualified maintenance people must be present when performing equipment repairs or preventative maintenance.
21. When working on any equipment that is higher than a person's shoulders always use a fiberglass ladder that is in good condition.

INSTALLATION

Utilities Requirements

UTILITIES INTERCONNECTION AND THE MATERIALS REQUIRED FOR INTERCONNECTION TO SONNY'S EQUIPMENT ARE THE RESPONSIBILITY OF THE CUSTOMER !
PERFORM ALL TRADES WORK TO ALL APPLICABLE LOCAL AND NATIONAL CODES !

Electric

- The Customer's Electrician is to provide materials and install 3 phase power (208V or 240V or 460V, 60 Hz) to the air compressor electric motor through properly sized 3 pole circuit breakers and motor starters with 3 thermal overloads.

BE CERTAIN THAT ALL ELECTRIC MOTORS ARE PROPERLY WIRED FOR THE SUPPLY VOLTAGE BEING USED!

Pneumatic

- The Customer's Plumber is to provide materials and install a 5/8 inch compressed air line from the Customer's Air Compressor to distribution manifold for tunnel and support equipment.

Equipment Installation

Air Compressor Installation

Tools

1. Safety Glasses
2. Impact Wrench Set
3. 1" Hammer Drill
4. Sledge Hammer
5. Tape Measure

Manpower

Two (2) men

Consumables

1. Stainless Shims

Time (assuming no problems)

1.00 - 2.00 hours

Installation Steps

1. Determine where the Air Compressor is to be installed, must be at least 15" from walls or other equipment that would impede servicing.
2. Sweep any debris from where the Air Compressor will sit.
3. Set the Air Compressor in place and install vibration isolators and lag to floor if required.

Adjustments and Testing

Check to make sure the Air Compressor crankcase is filled with lubricant, if not fill with the manufacturer's recommended synthetic lubricant.

If necessary air pressure switch may be adjusted to regulate the available pressure range.

GENERAL OPERATION

Each air compressor motor is started and stopped by the onboard air pressure switch. When the air pressure falls below a predetermined level the compressor will start and run until the required air pressure is reached.

A moisture drain is provided on the tank to allow operator to drain water that accumulates in the storage tank. An automatic drain feature may be installed to drain the water without operator intervention.

PREVENTIVE MAINTENANCE

DAILY

1. Check each air compressor for proper operation, listening for any unusual noises and correct the cause of any unusual vibration.
2. Check lubricant level, fill as needed.

Note: If oil consumption falls below 50 HP hours per ounce, annual maintenance needs to be performed. (Horsepower rating x hours of operation / ounces of oil used)

3. Check for oil leaks and air leaks, repair as needed.

WEEKLY

1. Inspect the air filters, and clean or replace if needed.
2. Check operation of safety/relief valves by manually activating and resetting.

MONTHLY

1. Inspect drive belts, adjust or replace as necessary.
2. Inspecting all hardware and fittings for tightness and clean thoroughly.

SEMI-ANNUALLY

1. Drain lubricant while crankcase is warm, clean sight glass if necessary and replace lubricant with manufacturer recommended synthetic lubricant.

ANNUALLY

1. Install manufacturer's maintenance kit according to instructions and inspect valves, replacing if necessary.

COMMON REPAIRS

Replace V-Belts

Replace Motor

Replace Compressor Pump

Replace V-Belts

Tools

1. Safety Glasses
2. ½" Drive Ratchet Set
3. Standard Combo Wrenches

Consumables

None

Manpower

One (1) man

Time (assuming no problems)

1.00 - 2.00 hours

Replacement Parts

Qty	Name of Replacement Part	Product Part Number
1-3	V-Belts	Order the appropriate replacement part

Repair Steps

1. If a backup air compressor is available, make sure it is on-line and operational.

Caution: If a backup air compressor is not available, you must shut off all power to the conveyor and lock out the Motor Control Center before continuing this repair.

2. Shut off circuit breaker feeding power to the air compressor and apply lock out.
3. Shut valve connecting the storage tank to the feed line.
4. Open drain valve and allow tank to drain to 50 psi to ensure the air compressor does not start up, and then close the drain valve.
5. Remove the belt guard from the tank.
6. Loosen the four bolts that secure the motor to the tank and slide motor towards compressor pump.
7. Remove the old "V" belts.
8. Place the new "V" belts on to the pulley and the flywheel.

Note: If tightening bolts mounting the motor is a problem recruit and assistant to hold the motor tight while you tighten the hardware.

9. Slide the motor away from the compressor pump until the belts are tight
10. Tighten the four bolts that mount the motor to the frame.
11. Check the alignment of the "V" belts. They should be at parallel with the face of the pump and motor.
12. Bolt the belt guard to the frame.

13. Remove Lock Out from the circuit breaker for the air compressor and turn power on to run the compressor. Make sure the compressor comes up to pressure.

14. Open valve connecting the storage tank to the feed line.

Caution: Before returning power to the conveyor and removing lock out from the Motor Control Center make sure all tools and equipment is removed and all personnel are clear of the operational area.

15. If the conveyor was shut down, unlock the Motor Control Center and return the air compressor to normal operation.

Replace Motor

Tools

1. Safety Glasses
2. ½" Drive Ratchet Set
3. Standard Combo Wrenches
4. Standard Screwdriver
5. Bearing Puller
6. Tape Measure

Consumables

1. Anti-Seize Compound
2. Penetrating Oil

Manpower

Two (2) men

Time (assuming no problems)

2.00 – 3.00 hours

Replacement Parts

Qty	Name of Replacement Part	Product Part Number
1	Electric Motor	Order the appropriate replacement part (SEE YOUR MOTOR TAG FOR APPROPRIATE SPEC NUMBERS)

Repair Steps

1. If a backup air compressor is available, make sure it is on-line and operational.

Caution: If a backup air compressor is not available, you must shut off all power to the conveyor and lock out the Motor Control Center before continuing this repair.

2. Shut off circuit breaker feeding power to the air compressor and apply lock out.
3. Shut valve connecting the storage tank to the feed line.
4. Open drain valve and allow tank to drain to 0 psi.
5. Have a licensed electrician disconnect the wiring to the old motor.
6. Remove the belt guard from the tank.
7. Loosen the four bolts that secure the motor to the tank and slide motor towards compressor pump.
8. Remove the old "V" belts.
9. Remove the air lines from the after cooler.
10. Remove the bolts that secure the after cooler and set aside.
11. Note the position of the motor pulley from the end of the shaft.
12. Remove the bolts that mount the bushing to the pulley.

Note: The existing pulley bushing can become frozen with age. A generous amount of penetrating oil and ample time for the product to work will free this up. If the bushing does not come all the way off remove it the rest of the way with the bearing puller.

13. Thread two of the bolts removed in Step 12 into the removal holes and tighten them down in an alternating pattern. This will pull the bushing out from the pulley.
14. Slide the pulley off.
15. Remove the old motor from the frame.
16. Install the new motor, bolting it into place loosely.
17. Install the pulley on the new motor.
18. Place a small amount of anti-seize compound onto the shaft and the bushing.
19. Bolt the bushing to the pulley assuring the position is as noted in Step 11.
20. Place the new "V" belts on to the pulley and the flywheel.

Note: If tightening bolts mounting the motor is a problem recruit and assistant to hold the motor tight while you tighten the hardware.

21. Slide the motor away from the compressor pump until the belts are tight
22. Tighten the four bolts that mount the motor to the frame.
23. Check the alignment of the "V" belts. They should be at parallel with the face of the pump and motor.
24. Install the after cooler.
25. Connect the air lines to the after cooler.
26. Bolt the belt guard to the frame.
27. Have the electrician connect the wiring to the new motor.
28. Remove Lock Out from the circuit breaker for the air compressor.
29. Have the electrician briefly start and stop the motor, check the rotation and check the amp draw.
30. Close the drain valve and open valve connecting the storage tank to the feed line.

Caution: Before returning power to the conveyor and removing lock out from the Motor Control Center make sure all tools and equipment is removed and all personnel are clear of the operational area.

31. If the conveyor was shut down, unlock the Motor Control Center and return the air compressor to normal operation.

Replace Compressor Pump

Tools

1. Safety Glasses
2. ½" Drive Ratchet Set
3. Standard Combo Wrenches
4. Standard Screwdriver
5. Bearing Puller
6. Tape Measure

Consumables

1. Anti-Seize Compound
2. Penetrating Oil
3. Teflon Tape
4. Teflon Paste
5. Compressor Oil

Manpower

Two (2) men

Time (assuming no problems)

2.00 – 3.00 hours

Replacement Parts

Qty	Name of Replacement Part	Product Part Number
1	Compressor Pump	Order the appropriate replacement part
(SEE YOUR PUMP TAG FOR APPROPRIATE SPEC NUMBERS)		

Repair Steps

1. If a backup air compressor is available, make sure it is on-line and operational.

Caution: If a backup air compressor is not available, you must shut off all power to the conveyor and lock out the Motor Control Center before continuing this repair.

2. Shut off circuit breaker feeding power to the air compressor and apply lock out.
3. Shut valve connecting the storage tank to the feed line.
4. Open drain valve and allow tank to drain to 0 psi.
5. Remove the belt guard from the tank.
6. Loosen the four bolts that secure the motor to the tank and slide motor towards compressor pump.
7. Remove the old "V" belts.
8. Remove the air lines from the after cooler.
9. Remove the bolts that secure the after cooler and set aside.
10. Note the position of the motor pulley from the end of the shaft.
11. Remove the bolts that mount the bushing to the pulley.

Note: The existing pulley bushing can become frozen with age. A generous amount of penetrating oil and ample time for the product to work will free this up. If the bushing does not come all the way off remove it the rest of the way with the bearing puller.

12. Thread two of the bolts removed in Step 12 into the removal holes and tighten them down in an alternating pattern. This will pull the bushing out from the pulley.
13. Slide the pulley off.
14. Remove the old compressor pump from the frame.
15. Install the new compressor pump.
16. Install the pulley.
17. Place a small amount of anti-seize compound onto the shaft and the bushing.
18. Bolt the bushing to the pulley assuring the position is as noted in Step 11.
19. Place the new "V" belts on to the pulley and the flywheel.

Note: If tightening bolts mounting the motor is a problem recruit and assistant to hold the motor tight while you tighten the hardware.

20. Slide the motor away from the compressor pump until the belts are tight
21. Tighten the four bolts that mount the motor to the frame.
22. Check the alignment of the "V" belts. They should be at parallel with the face of the pump and motor.
23. Install the after cooler.
24. Connect the air lines to the after cooler.
25. Bolt the belt guard to the frame.
26. Remove Lock Out from the circuit breaker for the air compressor.
27. Close the drain valve and open valve connecting the storage tank to the feed line.

Caution: Before returning power to the conveyor and removing lock out from the Motor Control Center make sure all tools and equipment is removed and all personnel are clear of the operational area.

28. If the conveyor was shut down, unlock the Motor Control Center and return the air compressor to normal operation.

PARTS LIST

AIR SUPPLY AIR COMPRESSOR - FILTERS - REPLACEMENT PARTS CHAMPION

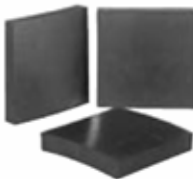
View order history at www.SonnysDirect.com



Air Compressor Automatic Tank Drain

- Automatically removes water from air receiver upon demand. Eliminates the need for manual purging.

Item #	Description	Price
AC100	Auto Tank Drain Pneumatic, Champion	\$115.95



Air Compressor Vibration Isolators

- Rubber Mounting pads - no lag bolts required.

Item #	Description	Price (set of 3)
AC102	Vibration Pads 80 & 120 Gal Tank	\$42.00



Air Compressor Pressure Switch

- Specifically for Champion compressors.

Item #	Description	Price
P05875A	Pressure Switch, Champion Air Comp	\$129.95



Air Compressor Gaskets

- Specifically for Champion compressors.

Item #	Description	Price
P14010C	Air Compressor, Gasket Head	\$11.30
P14012C	Air Compressor, Gasket Valve Plate	11.30
P14015C	Air Compressor, Gasket Cylinder Upper	11.30



Air Compressor Alternator

- Specifically for Champion compressors.
- Specify voltage - 208,230 or 460

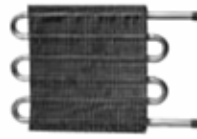
Item #	Description	Price
AC-ALTERNATOR	Air Compressor, Alternator	\$159.00



Air Compressor In-Line Filter Kit

- Designed specifically for Champion compressors for use in harsh compressor environments.

Item #	Description	Price
AC103	In-Line Filter Kit, Champion	\$218.40



Air Compressor Air-Cooled or Water-Cooled Aftercooler

- Removes up to 65% of the moisture from discharged compressed air.

Item #	Description	Price
AC101/5-7	Aftercooler 5 HP & 7 1/2 HP, Champion	\$245.00
AC101/10-15	Aftercooler 10 HP & 15 HP, Champion	292.60



Air Compressor Magnetic Starter

- For thermal overload protection. Required for units 3 HP and up. May be mounted or unmounted.
- Specify air compressor voltage when ordering

Item #	Description	Price
P10378-A5	Magnetic Starter, 5 HP, Installed	\$161.00
P10378-A7.5	Magnetic Starter, 7.5 HP, Installed	161.00
P10378-A10	Magnetic Starter, 10 HP, Installed	218.40



Air Compressor Pump

- Loaded with rugged features, these splash lubricated compressor pumps deliver high performance, long life and tremendous value.

Item #	Description	Price
R-30	Compressor, 10 HP, Compressor Pump	\$1895.40
R-30H/U	Compressor, 10 HP Dual Pump	2007.25



Air Compressor Belt Guard

- Specifically for Champion compressors.

Item #	Description	Price
Z7189	Compressor, Belt Guard	\$236.60



Air Dryers

- Built-in wall mount bracket
- Separator and automatic drain system
- Visual water alarm indicator
- 115 Volt, complete with 6' power cord.

Item #	Description	Price
AD15	Air Dryer/ Filter Combination 15 CFM	\$784.50
AD25	Air Dryer/ Filter Combination 25 CFM	1036.50
AD35	Air Dryer/ Filter Combination 35 CFM	1329.00
AD50	Air Dryer/ Filter Combination 50 CFM	1765.50



PUP Filter/ Auto Drain / Manifold

- Manifold for multiple distribution
- Bottom of the PUP removes condensate from the air line
- Built-in automatic drain (with manual override)
- Removes bulk water and oil
- (1) 1" female inlet port on the top of the unit, also (2) 1/2" and (2) 3/8" outlet ports on the sides for easy installation into any system. 10-year housing warranty

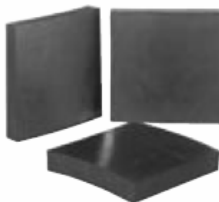
Item #	Description	Price
SGPPUP	Compressor, Coalescing PUP Filter 60CFM	\$175.50



Automatic Drain

- Programmable 115 volt w/cord
- By-pass valve and strainer
- Removes water from tanks and filters

Item #	Description	Price
37995891	Compressor, Automatic Drain IR 115 Volt	\$147.00



Vibration Pads

- High grade ribbed Neoprene
- Reduces vibration and noise

Item #	Description	Price (set of 3)
32321002	Compressor, Vibration Pads IR 4"X4"X1"	\$33.00



Coalescing / and Particulate Filters

- Built-in automatic drain
- Removes bulk water and oil
- Element indicator included
- 10-year housing warranty

Item #	Description	Price
SGP40	Compressor, Coalescing Filter, IR 40 CFM	\$228.00
SGP64	Compressor, Coalescing Filter, IR 64 CFM	264.00
SGP123	Compressor, Coalescing Filter, IR 123 CFM	378.00



Hose Reel

- Heavy Duty Self retracting
- Use for air/water applications
- Complete with 50' of 3/8" hose

Item #	Description	Price
38032934	Hose Reel, Ingersoll Rand 3/8" X 50 Ft	\$495.00



Pump

- 100% cast iron pump
- Durable 100% continuous duty
- 175 PSI
- 2- Year Warranty

Item #	Description	Price
2475	Compressor, Pump IR 5 & 7.5 HP	\$1017.00
2545	Compressor, Pump IR 10 HP	1836.00
7100	Compressor, Pump IR 15 HP	2117.70



Maintenance Kit

- Ingersoll-Rand Synthetic Oil
- Replacement Air Filter Element
- Gaskets & O-rings for valve inspection

Item #	Description	Price
38485330	Compressor, Maintenance Kit 5 & 7.5 HP	\$197.69
38485298	Compressor, Maintenance Kit 10 HP	228.80
38485322	Compressor, Maintenance Kit 15 HP	327.60



Module/Air 2000 Filters

- ARO compressed air filters are designed to remove airborne solid and liquid contaminants which may plug small orifices and hinder performance, or cause excessive wear and premature equipment failure.
- Feature flex drain polycarb bowl with bowl guard.
- 150 PSIG (10.4 bar) 0° to 125° F (-18° to 52°C)
- 40-micron filter element

Item #	Description	Price
F25221-100	Filter, Modular 1/4", ARO	\$20.75
F25241-100	Filter, Modular 1/2", ARO	20.75
F25231-100	Filter, Modular 3/8", ARO	20.75



Module/Air 2000 Lubricators

- ARO fog-type lubricators help ensure that pneumatic devices receive the required lubrication to maintain operating performance, reduce wear and prolong service life.
- Lubricator can be filled while under pressure.
- Patented flow-guide variable orifice maintains constant oil to air ratio
- Feature flex drain polycarb bowl with bowl guard.

Item #	Description	Price
L26221-100	Lubricator, 1/4", ARO	\$25.99
L26241-100	Lubricator, 1/2", ARO	25.99
L26231-100	Lubricator, 3/8", ARO	25.75



Module/Air 2000 Regulators With Gauge

- ARO Module/Air 2000® Series regulators are designed to provide quick response and accurate pressure regulation.
- Regulator offers in-line repairability. Valve and diaphragm can be replaced without removing unit from line.
- Can be installed in modular or with pipe nipples.
- 150 PSIG (10.4 bar) 0° to 125° F (-18° to 52°C)

Item #	Description	Price
R27221-600	Regulator W/Gauge 1/4", ARO	\$32.15
R27241-600	Regulator W/Gauge 1/2in, ARO	32.15
R27231-600	Regulator W/Gauge 3/8in, ARO	32.35



Module/Air 2000 FRLs

- The modular FRL with pipe nipple capability! Individual components have threaded ports, allowing either modular configurations or pipe nipple connections.
- Push drain polycarb bowl with bowl guard
- 150 PSIG (10.4 bar) - 0° to 125° F (-18° to 52°C)
- Pressure Range in Regulator: 5 to 125 PSIG (.3 to 8.6 bar)
- Filter Element: 40 micron
- Installation flexibility – modular or pipe nipple connection

Item #	Description	Price
C28241-800/14	Modular F/R/L 1/4", ARO	\$119.95
C28241-800/12	Modular F/R/L 1/2", ARO	120.75
C28241-800/38	Modular F/R/L 3/8", ARO	119.95



Module/Air 2000 "Piggyback" Regulator

- ARO Module/Air 2000® Series regulators are designed to provide quick response and accurate pressure regulation over a wide range of applications.
- Regulator offers in-line repairability. Valve and diaphragm can be replaced without removing unit from line.
- Push drain polycarb bowl with bowl guard
- 150 PSIG (10.4 bar) - 0° to 125° F (-18° to 52°C)

Item #	Description	Price
P29221-600	Filter, Regulator W/Gauge 1/4", ARO	\$59.95
P29241-600	Filter Regulator, 1/2", piggyback, ARO	74.99



Module/Air 1000 Mini FRL

- ARO Module/Air 1000 Series "Piggyback" units are compact to save space.
- Push drain polycarb bowl with bowl guard
- 150 PSIG (10.4 bar) - 0° to 125° F (-18° to 52°C)
- Pressure Range in Regulator: 5 to 125 PSIG (.3 to 8.6 bar) Filter Element: 20 micron.
- Gauge: 0 to 150 PSI

Item #	Description	Price
128121-800	Mini FRL, 1/4" ARO	\$77.85



Module/Air 1000 Mini Series Regulator



- ARO Miniature Series Regulators are the ideal choice where a small, compact unit is required to provide accurate control of either air or water flow.
- A stainless steel valve spring is the only metallic part to come in contact with the regulated medium.
- Pressure Range: 0 to 125 PSIG (0 to 8.6 bar)
- Max inlet pressure – 250 PSI (17 bar)
- Air flow = 13 SCFM (6 dm³/s)

Item #	Description	Price
127122	Regulator, Mini No Gauge 1/4", ARO	\$12.95



Air-flow Control Valve



- 4-stage tapered needle design – infinite control settings from full-close to full-open
- Corrosion-resistant body – made of lightweight composite material w/metallic inserts
- Threads for panel mounting – up to 3/16" thickness
- Op. pressure – 200 PSI
- Temp. – 0° to 200° F
- Buna-N seals

Item #	Description	Price
F02	Air Flow Control Valve 1/4", ARO	\$19.33
F03	Air Flow Control Valve 3/8", ARO	22.75



Module/Air 2000 Pressure Gauge



- Rear Mount
- Polycarbonate lens
- 0 to 160 PSI (0 to 11 Bar)
- Plastic case

Item #	Description	Price
100067-S	Mini Gauge, 0-160 1/4" Rear, ARO	\$9.66
29850	Mini Gauge, 0-160 1/8" Rear, ARO	10.95



Module/Air 1000 Mini Series Regulator With Gauge



- ARO Miniature Series Regulators are the ideal choice where a small, compact unit is required to provide accurate control of either air or water flow.
- A stainless steel valve spring is the only metallic part to come in contact with the regulated medium.
- Pressure Range: 0 to 125 PSIG (0 to 8.6 bar)
- Max inlet pressure – 250 PSI (17 bar)
- Air flow = 13 SCFM (6 dm³/s)

Item #	Description	Price
127122-600	Regulator, Mini W/Guage 1/4", ARO	\$20.47



Safety Shutoff, Lockout Valve



- Exhaust-type safety shutoff valve can be used in the modular arrangement or in-line, depending on application requirements.
- Max. Inlet: 175 PSIG (12 bar)
- Max. Temperature: 0° to 125° F (-18° to 52°C)
- Body: Zinc die-cast

Item #	Description	Price
104174-2	Module Shut Off Valve, 1/4", ARO	\$21.15
104174-4	Module Shut Off Valve, 1/2", ARO	21.15
104174-3	Module Shut Off Valve, 3/8", ARO	21.15



Mini Regulator

- Norgren Miniature Series Regulators are the ideal choice where a small, compact unit is required to provide accurate control of either air or water flow.
- Pressure Range: 0 to 100 PSIG (0 to 6.9 bar)
- Max inlet pressure – 300 PSI (21 bar)
- R07-2J3-RGKA (Right to Left Flow)
- R07-2J4-RGKA (Left to Right Flow)



R07-2J3-RGKA



24-072-153

Item #	Description	Price
R07-2J3-RGKA	Regulator Mini W/Guage 1/4", Norgren	\$21.25
R07-2J4-RGKA	Regulator Mini W/Guage 1/4", Norgren	21.25
24-072-153	Mini FRL, 1/4", Norgren	72.15

CUSTOMER SERVICE

Please contact SONNY'S Equipment Department for installation and/or operation questions regarding this piece of equipment.

Please refer to the Parts list in this manual or our Parts Catalog and contact SONNY'S Order Entry Department for any replacement parts for this piece of equipment.

DEPARTMENT	PHONE NUMBERS	FAX NUMBERS
Toll Free Main Line	800-327-8723	800-495-4049
Equipment Department	954-467-1203	954-720-9292

Or you can email Sales at sales@sonnysdirect.com

Thank you for being a SONNY'S car wash equipment owner!

From all of us here at

