

Rental Compressed Air Treatment

FOR CLEAN, DRY AIR...WHEN YOU NEED IT...WHERE YOU NEED IT!





Dedicated to Excellence

Since 1948, compressed air users around the world have relied on Hankison to provide innovative compressed air treatment solutions for critical applications. Hankison maintains a long standing reputation for manufacturing products that deliver superior performance, time proven reliability and optimal energy savings. Hankison today is the preferred choice for providing clean, dry compressed air for the most challenging industries.

Based in Charlotte, North Carolina, SPX FLOW is a leading global supplier of highly engineered flow components, process equipment and turn-key systems, along with the related aftermarket parts and services, into the food and beverage, power and energy and industrial end markets. SPX FLOW has more than \$2 billion in annual revenues and approximately 8,000 employees with operations in over 35 countries and sales in over 150 countries around the world.

To learn more about SPX FLOW, please visit our website at www.spxflow.com.

Scope of Products

Uptime Delivered

WITH HANKISON RENTAL DRYERS

For over 50 years, the high quality compressed air treatment rental products manufactured by SPX FLOW, have been engineered to make transportation, installation, and operation quick and easy for challenging applications nationwide.

With a fleet of pre-packaged compressed air treatment systems available for immediate shipment throughout North America, we are prepared to respond to your needs, wherever and whenever that may be.

Depend on Hankison Rental the next time you need clean, dry air for emergency service or to meet supplemental or temporary requirements.

Cool...

WITH AN AFTERCOOLER / SEPARATOR

- Reduce the temperature of hot compressed air leaving the compressor to safe, usable levels (within 5°F to 20°F of ambient temperature)
- Remove up to 70% of water
- Precondition the air for further drying and filtering

Dry...

WITH A DESICCANT DRYER

- Eliminate troublesome liquid water from downstream air lines and equipment
- Choose a dryer to produce a dew point temperature below the lowest temperature that your air lines are exposed to (dew point temperature = temperature at which water vapor changes to a liquid

Filter...

WITH A PACKAGED FILTER SYSTEM

- One micron air line filter removes solid particles
- High efficiency coalescing type oil removal filter removes oil aerosols (also called oil mist, fog, or smoke) and provides virtually oil free air
- Optional system includes oil vapor removal system... eliminates odor from compressed air... protects products and processes from contamination



TYPICAL INSTALLATIONS:

- Plant air during outages, turnarounds, stoppages:
- Pneumatic tools, Spray painting, Powder coating, Air conveying
- Pipelines: cleaning, testing and drying
- Glass and plastic molding
- Catalyst regeneration
- Drilling
- Late equipment delivery
- Budgetary needs
- Process air: paper and chemical plants
- Instrument air
- Power plants – ILRT
- Soot blowing
- Temporary extra capacity
- Sandblasting

Aftercooler / Separator

FEATURES

Reduce compressed air temperatures to within 5°F to 20°F of ambient temperature

- Makes air safe, usable, and capable of further filtering and drying
- Eliminates up to 70% of water

Aftercooler, separator, and automatic condensate drain piped and skid mounted

Maximum working pressures to 350 psig available

CHOICE OF:

Electrically driven fans:

- Includes automatic interconnect for 3 phase units - determines if incoming power is 230/3 or 460/3 and automatically selects motor leads to match supply voltage

Air driven fans:

- Includes air motor, regulator, lubricator, and relief valve

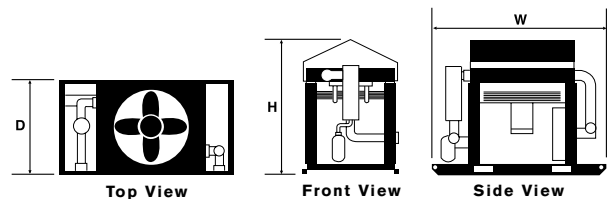
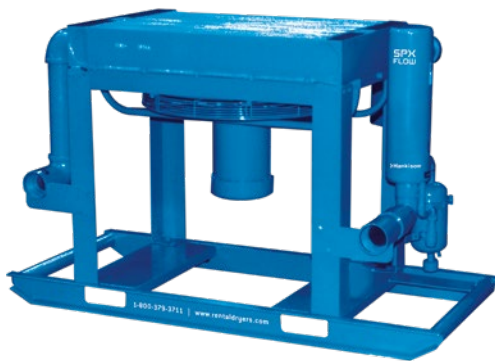
SPECIFICATIONS

Electrically Driven

MODEL	MOTOR	VOLTAGE	PHASE	FULL LOAD AMPS	IN/OUT CONNECTIONS	DIMENSIONS
	TEFC	HP		110/230 V	NPT	H (IN)
AACE-450	1/2	110/1/60	1	9	2"	66
AACE-1000	2	110/1/60	1	18	3"	66
AACE-1600	1.5	110/1/60	1	18	3"	66
AACE-2500	7.5	230/3/60 460/3/60	1	22/11	4"	62
AACE-3000	10	230/3/60 460/3/60	1	28/14	4"	62

Air Driven

MODEL	AIR MOTOR USAGE	IN/OUT CONNECTIONS	DIMENSIONS			SHIPPING WEIGHT
	SCFM	NPT	H	W	D	LBS
AACA-450	10	2"	46	48	60	400
AACA-1000	20	2"	46	48	60	600
AACA-1600	70	3"	73	48	72	800
AACA-2500	80	4"	66	48	90	1000
AACA-3000	120	4"	73	60	108	1200
AACA-3500	120	4"	73	60	108	1400



CAPACITY SELECTION CHART

Maximum scfm @ 5, 10, 15 and 20°F Approach Temperature to Ambient

INLET TEMPERATURE °F	150				200				250			
	5	10	15	20	5	10	15	20	5	10	15	20
AACE-1600 & AACA-1600	790	1440	1950	2260	710	1290	1720	1950	660	1200	1600	1860
AACE-2500 & AACA-2500	1220	2220	3000	3470	1090	1980	2680	3100	1035	1880	2500	2870
AACA-3000	1450	2650	3580	4120	1295	2360	3200	3710	1243	2260	3000	3450

Above capacities are based on 80 to 125 psig operating pressures. Maximum pressure drop is less than 3 psi.

Aftercooler / Separator / Filter

FEATURES

Aftercooler with air driven fan motor

- Lowers temperature of air leaving the compressor to within 10°F to 15°F of ambient temperature
- Eliminates 75% of water

Separator/filter

- Two stage filtration
- First stage removes bulk liquids
- Second stage fiber captures solid and liquid particles to 3 micron

Easy to use:

- Mounted on rental skid
- Prepped with convenient in/out connections
- No power required
- Automatic condensate drains
- Gauges on filters indicate need for element replacement



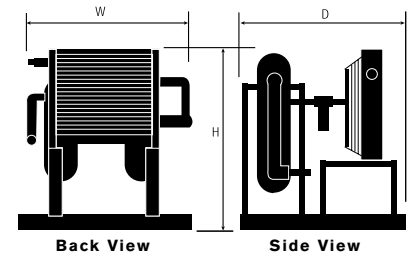
APPLICATIONS

For use with portable compressors:

- Construction, Bridge repair, Sandblasting, Painting

For use in industry:

- Manufacturing plants, Refineries, Shipyards, Paper mills and Chemical plants



SPECIFICATIONS

MODEL	CAPACITY SCFM	H IN	DIMENSIONS		WEIGHT LBS
			W IN	D IN	
AFC450	450	53	46	36	675
AFC750	750	68	48	60	675
AFC1000	1000	73	48	72	950
AFC1600	1600	73	48	72	1000

Aftercooler / Filter Package

Obtain Oil Free Air with Lubricated Compressors

INCLUDES

Aftercooler with air driven fan motor

- Lowers temperature of air leaving the compressor to within 10°F to 15°F of ambient temperature
- Eliminates 80% of water

Separator/filter

- Removes bulk liquids
- Prefilters the air for finer filtration
- Large in depth bed eliminates heavy particulate load
- Gauges on filters indicate need for service

High efficiency oil removal filter

- Removes oil aerosols 0.01 micron and larger
- Remaining oil content: 0.008 ppm w/w

EASY TO USE

- Mounted on rental skid
- Prepiped with convenient in/out connections
- No power required
- Automatic condensate drains



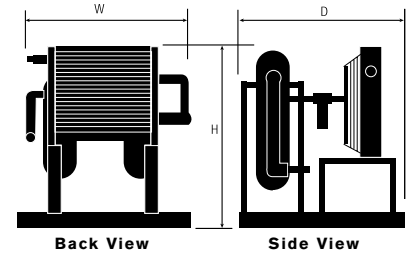
APPLICATIONS

For use with portable compressors:

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For use in industry:

- Manufacturing plants, Refineries, Shipyards, Paper mills and Chemical plants



SPECIFICATIONS

MODEL	CAPACITY SCFM	H IN	DIMENSIONS			WEIGHT LBS
			W IN	D IN	H IN	
ACFS450	450	53	46	36	675	
ACFS750	750	68	48	60	675	
ACFS1000	1000	73	48	72	950	
ACFS1600	1600	73	48	72	1000	

Filter Packages

Compressed Air as Clean as you Need it

OPERATION

Air enters the compressor intake, with it solid particulate, gaseous hydrocarbons, and water vapor. Inside the compressor, oil aerosols, vapors, and solid wear particles are added to the compressed air stream. As air passes through aftercoolers and air lines downstream, oil and water vapors condense into liquid aerosols and droplets. The result is solid, liquid, and vapor contaminants in your compressed air system, which, if not removed, reduce pneumatic equipment service life, cause air tools, motors and cylinders to operate inefficiently, contaminate products processes, foul instruments and control valves.

PACKAGES:

Package 1 – for liquid oil removal

- Air line filter and 0.01 micron coalescing filter
- Removes oil aerosols for virtually oil free air (remaining oil is in a vapor state)
- Air Line filter protects high efficiency filter from liquid overloading and solid particulate contamination
- Patented design maintains high oil removal efficiency for the life of the cartridge
- Removes all solid particles 0.01 microns and larger

Typical Applications

- Use with oil-lubricated compressors to produce oil free air for: spray painting, powder coating, blow molding, pneumatic instrumentation, fluid logic, air bearings, pneumatic conveying, food and drug packaging, and electronics manufacturing

Package 2 – for oil vapor removal

- 0.01 micron coalescing filter and activated carbon type oil vapor removal filter
 - Removes oil vapor and other hydrocarbons normally adsorbable by activated carbon (produces vapor concentrations of less than 0.01 ppm w/w)
- Coalescing filter protects carbon bed from liquid contamination
- Final stage of media removes all solid particles 0.01 microns and larger

Typical Applications

- Food and drug industries where compressed air contacts products, for deodorizing compressed air exhausted into confined worker environments and Conditioning gas samples ahead of analytical instruments

****Packages include automatic drains and filter element change out indicators.**

CREATE YOUR OWN PACKAGE...CHOOSE FROM THESE FILTERS:

▪ Separator/filter

- Removes solid particles, water droplets and oil aerosols three microns (mean diameter) and larger
- Protects downstream equipment from damage or malfunction
- Designed for use at locations where large liquid loads are present (downstream of aftercoolers, etc.)

▪ Air line filter

- Removes solid particles, water droplets and oil aerosols one micron (mean diameter) and larger
- Protects downstream equipment from damage or malfunction

▪ Coalescing type oil removal filter

- Removes liquid aerosols (specifically oil) 0.01 microns and larger
- Protects downstream instruments, equipment, products and processes from oil aerosol contamination

▪ Oil vapor removal filter

- Removes gaseous oil and various other hydrocarbon vapors
- Removes offensive odors; prevents contamination of products and processes

SPECIFICATIONS

MODEL	CAPACITY @ 100 PSIG SCFM	IN/OUT CONNECTIONS PSIG	DIMENSIONS			WEIGHT LBS
			H	W	D	
			IN			
FS375	375	3" NPT	44	19	24	125
FS700	700	3" NPT	66	48	68	275
FS1600	1600	3" NPT	66	48	90	400



Desiccant Dryer Packages

For Dew Points of -40°F and -100°F

FEATURES

- Mounted particulate and oil removal prefilters c/w automatic condensate drains and a one micron afterfilter - no field installation of filters required
- Heavy duty frame with lifting lugs and fork lift channels for easy handling
- NEMA 4, 115/1/60 electrics - suitable for outdoor operation (all pneumatic units available)
- Units can be field adjusted for -40°F or -100°F pressure dew point
- Full instrumentation package provides ready indication of system malfunction
- High pressure models available

OPERATING CONDITIONS

- Maximum inlet compressed air temperature: 120°F
- Minimum/maximum ambient temperature: $35/120^{\circ}\text{F}$ standard ($-10/120^{\circ}\text{F}$ with low ambient package installed)

***Transport desiccant dryers on air-ride truck only**



SPECIFICATIONS

MODEL	INLET FLOW SCFM ¹	FLOW OUTLET		WORKING PRESSURE PSIG	MAX. IN/OUT CONNECTIONS IN	DIMENSIONS			WEIGHT LBS
		@ -40°F P.D.P. SCFM ¹	@ -100°F P.D.P. SCFM ¹			H	W IN	D	
RDH115	115	98	97	150	1" NPT	90	40	34	650
RDH165	165	141	140	150	1 1/2" NPT	90	40	34	825
RDH260	260	223	220	150	2" NPT	90	42	47	1350
RDH370	370	317	312	150	2" NPT	90	42	60	1650
RDH450	450	385	380	150	2" NPT	92	42	60	1800
RDH590	590	505	498	150	2" NPT	95	50	70	2860
RDH750	750	642	634	150	2 1/2" NPT	97	58	72	3450
RDH930	930	796	786	150	2 1/2" NPT	105	58	72	3800
PDH930G	930	796	786	150	2 1/2" NPT	80	76	73	3500
RDH1130	1130	967	955	150	3" NPT	105	58	72	4300
RDH1350	1350	1156	1141	150	3" NPT	109	58	72	4700
RDH1550	1550	1327	1309	150	3" Boss	100	78	96	5000
RDH1550G	1550	1327	1309	250	3" Boss	79	78	83	5500
RDH2100	2100	1797	1774	150	3" Boss	106	80	73	6900
RDH2100G	2100	1797	1774	150	3" Boss	80	80	73	5750
RDH3000	3000	2567	2534	150	3" Boss	121	86	133	12100
RDH3000G	3000	2567	2534	150	2" x 3" Boss	81	91	115	9200
RDH4100	4100	3465	3445	150	6" FLG	105	91	115	14000
RDH5400	5400	4620	4561	150	6" FLG	123	96	122	16000
RDH5400G	5400	4620	4561	150	4" x 3" Boss	81	91	153	14800
HIGH PRESSURE @ 350 PSIG									
RDHHP495	900	828	818	365	3" NPT	94	78	96	3800
RDHHP715	1300	1196	1186	365	3" NPT	96	78	96	4000
RDHHP1550G	2800	2576	2550	365	3" Boss	79	78	83	6200
RDHHP5200G	9300	8530	8400	365	4" x 3" Boss	81	91	153	19000

¹ Flow shown is based on inlet compressed air at 100 psig and 100°F

Aftercooler / Dryer / Filter Package

A Complete Air Treatment System in One Package

FEATURES

- **Aftercooler with air driven fan motor**
 - Lowers temperature of air leaving the compressor to within 7.5°F of ambient temperature
 - Eliminates 80% of water
- **Prefilter 1 - Separator/filter**
 - Removes bulk liquids
 - Prefilters the air for finer filtration
- **Prefilter 2 - High efficiency coalescing type oil removal filter**
 - Removes fine oil droplets (aerosols) and solid particles 0.01 microns and larger
 - Oil content after filtration: 0.008 ppm w/w
- **Pressure-swing (heatless) regenerative desiccant dryer**
 - Produces extra dry air (-40°F or -100°F pressure dew point)
 - Efficient design minimizes purge air requirements
- **Afterfilter - 1 micron particulate filter**
 - Removes desiccant fines
 - Indepth media allows long element life



EASY TO USE

- Mounted on sled type skid with lifting lugs and forklift channels
- Piped with convenient in/out connections
- Dryer runs on 12VDC (allows power to be supplied by portable compressor) - 115VAC optional
- Automatic condensate drains
- Gauges on filters indicate need for element replacement
- Dryer control panel includes alarms and built-in diagnostic capabilities

APPLICATIONS

- Metalworking plants, Refineries, Shipyards, Paper mills, Chemical plants, Electronics manufacturing, Food and drug (packaging), Spray painting, Powder coating, Blow molding, Pneumatic instrumentation, Nitrogen generation, Process air

For use with portable compressors:

- Construction, Bridge repair, Sandblasting, Painting, Pipeline dehydration

SPECIFICATIONS

MODEL	CAPACITY @ 100 PSIG SCFM	WORKING PRESSURE PSIG	H	DIMENSIONS		WEIGHT LBS
				W IN	D	
RDH260GAC	185 to 260	250	82	50	69	1500
RDH450GAC	260 to 500	250	82	50	69	2200
RDH750GAC	600 to 800	150	80	75	71	3600
RDH930GAC	800 to 1000	150	80	75	71	3800
RDH1550AC	1000 to 1600	150	97	73	81	6000
RDH1550GAC	1000 to 1600	250	87	78	83	6000
HIGH PRESSURE AFTERCOOLER / REGENERATIVE DESICCANT DRYER PACKAGE						
RDHHP715AC	1300	350	96	78	96	5000
RDHHP1550AC	2800	350	87	78	83	7000

Air Treatment Refurbishment

Make Your Equipment Look & Operate as New!

SPX FLOW offers three refurbishment levels that will extend the useful life of your equipment.

Full inspection and repair results in better equipment performance.

3 LEVELS OF SERVICE

Level 1: Preventative Maintenance

- Full inspection and evaluation of the unit's condition
- Run tested for operation
- If additional work is required, a quotation will be provided

Level 2: Equipment Repair

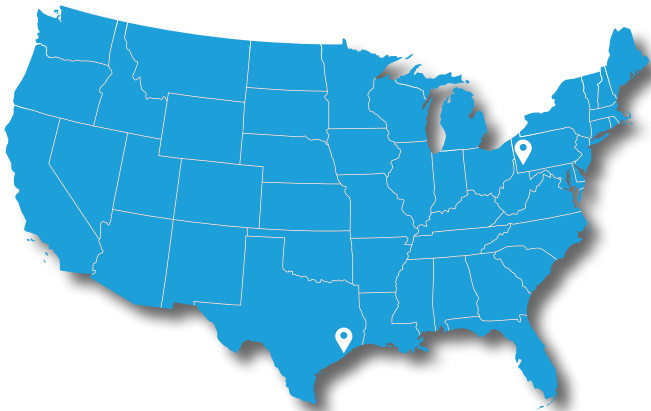
- Level 1 Service, plus:
- Valve and actuator replacement
- Filtration package inspection and element replacement
- Replace control board and rewire
- Full desiccant change-out
- Use of genuine OEM parts

Level 3: Full Refurbishment

- Level 1 & 2 Service, plus:
- Complete component replacement
- Sand blast and repaint entire dryer
- Re-tag equipment for identification
- Structural changes to piping or filtration package - upon request

THREE REFURBISHMENT CENTERS

- Houston, TX (Level 1-3)
- Washington, PA (Level 1-3)



Before & After





Global locations

SPXFLOW USA

Hankison Headquarters

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Ocala, Florida 34474-5788 U.S.A.
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Hankison Rental Northeast

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