SULLAIR
AIR TREATMENT

Filtration, Mist Elimination, Oil/Water Separators, Drains

SULLAIR®

Always air. Always there.®

SULLAIR

AN INDUSTRY LEADER

LEADERSHIP

Since 1965, Sullair has been recognized worldwide as an innovator and leader in rotary screw compression and vacuum technology. Sullair designs and manufactures its own rotors and air end assemblies. The award-winning rotary screw design sets the industry standard and delivers the quality and reliability you expect from a leader.

TECHNOLOGY

Using the most modern technologies, equipment and advanced manufacturing techniques, Sullair designs, manufactures, assembles, and tests the most innovative compressed air and vacuum products in the industry. Sullair products are known around the world for their universally applicable design, outstanding craftsmanship and superior quality.

COMMITMENT TO INNOVATION

Underlying Sullair leadership is a dedication to excellence and a commitment to innovation. We are constantly exploring new ideas and seeking new ways to meet the industry's need for increasingly energy efficient compressed air and vacuum solutions.

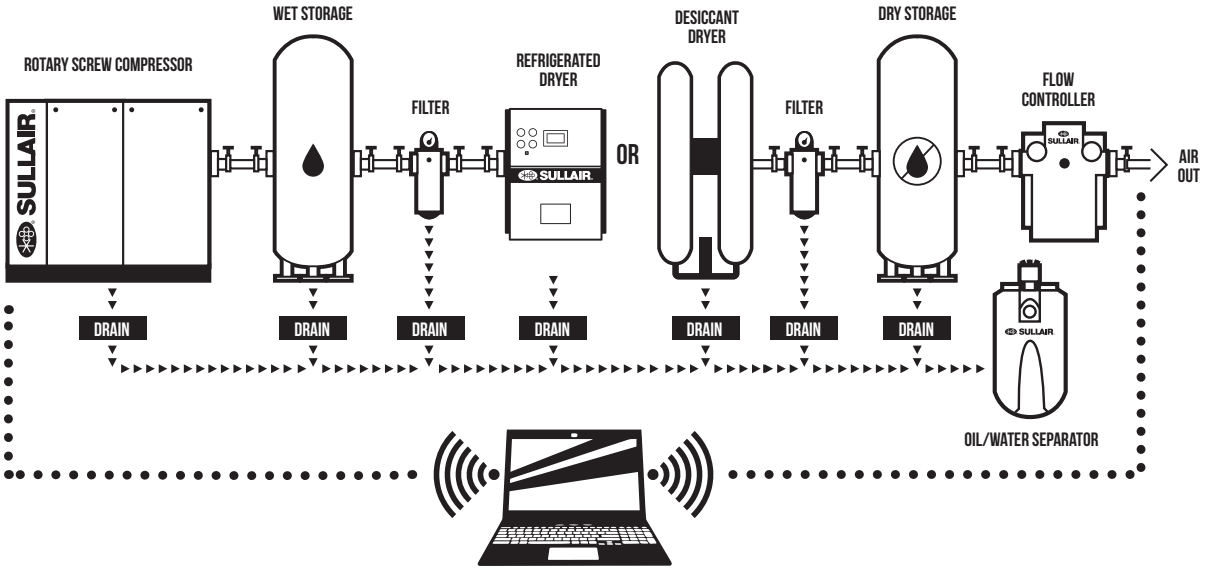
THE IMPORTANCE OF CLEAN, DRY COMPRESSED AIR

HOW MUCH WATER IS TOO MUCH? ANY AMOUNT OF WATER IS TOO MUCH.

Water jeopardizes everything you want your compressed air system to do. It ruins product and fouls processes. Removing it is vital in order to protect both your equipment and your operations.

- Moisture in compressed air remains in a vapor state through the compression cycle, so it is not a problem until it leaves the compressor.
- At 75°F (24°C) and 75% relative humidity, a 75 hp compressor takes in 46 gallons of water vapor in 24 hours. When this air is cooled to approximately 35°F (2°C) at 100 psig, the water vapor condenses into 46 gallons of liquid.

A well-designed air treatment system has a number of critical stages, each contributing to the goal of clean, dry air. The following diagram represents a sample of a complete system from start to finish. For more information on dryers, visit *Sullair.com*.



COMPRESSED AIR
FILTRATION AND MIST ELIMINATORS

Sullair Family of Filtration
- Superior filtration from 1 micron to .01 micron
- Durable element construction
- Efficient drain layer ensures continued performance after optimal element change periods

Particulate Filters: F and FR Elements
- High efficiency filters remove particles to 1 micron, including coalesced liquid water and lubricants
- Maximum remaining aerosol content after filtration is 0.5 ppm at 70°F (21°C)

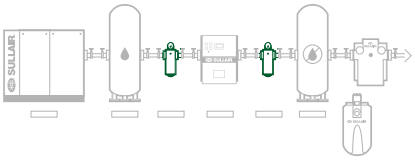
High Efficiency Coalescing Filtration: H and HR Elements
- Maximum filtration to remove particulate down to 0.01 micron, including water and oil aerosols. Maximum remaining oil aerosol content of 0.01 ppm at 70°F (21°C), when used with Sullair particulate filters

Vapor Removal: C Elements
- Filters with activated carbon remove lubricant and hydrocarbon odors
- Remaining vapor content is less than 0.003 ppm (excluding methane)
- This filter installation should always be preceded by high efficiency filter grades

High Pressure: HP Element
- Filters are available for pressures up to 725 psig (49.9 bar)

High Temperature: HT Element
- Filters are available for temperatures up to 350°F (176.6°C)

Ultra Filter: U Element
- For sensitive and high-end applications including pharmaceutical grade, Sullair offers the Ultra Filter, an absolute high efficiency particulate filter. (0.01 Micron Absolute)



FX = Standard NPT inlet and outlet ports (BSP optional)

FW = Flange inlet and outlet ports

SULLAIR
COMPRESSED AIR FILTERS

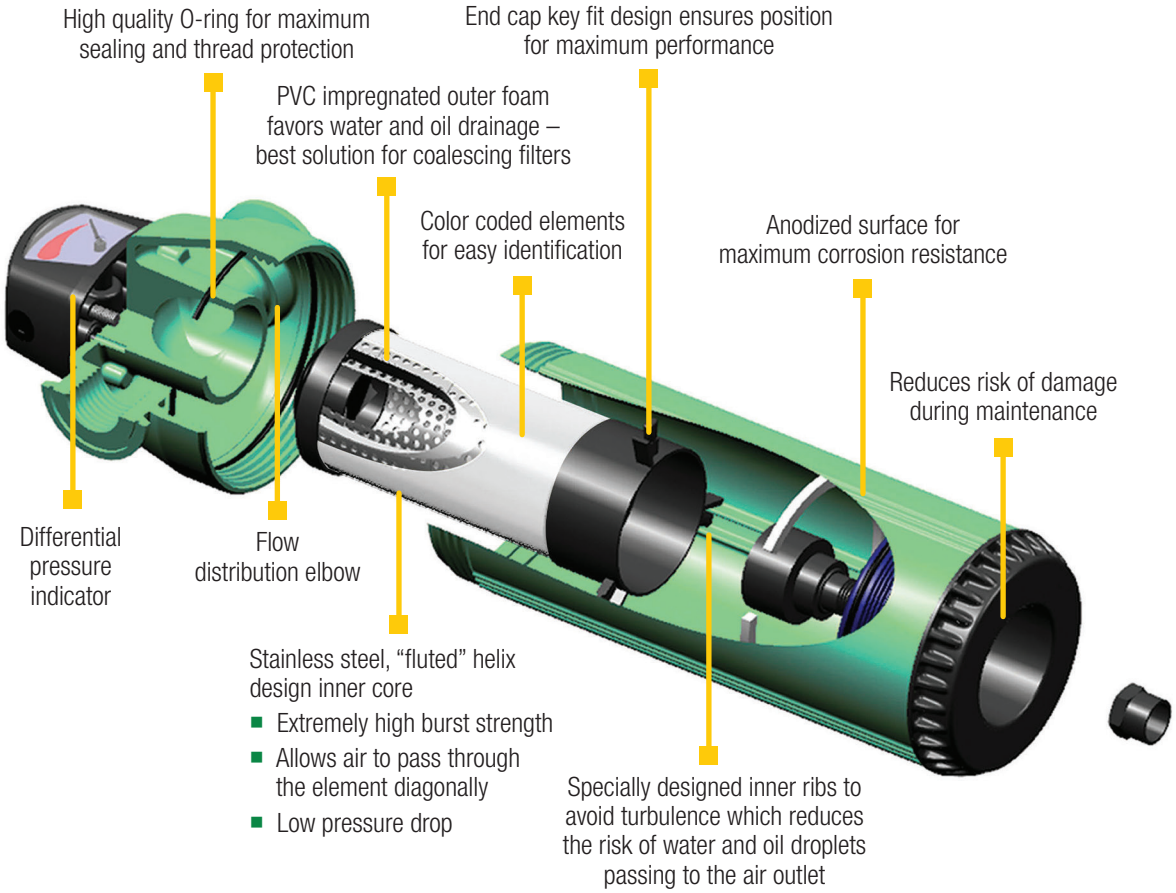
Sullair Family of Filtration

Sullair filters protect your plant equipment and processes, improve your product quality and reduce your energy costs. Sullair offers filtration products in an application range from general purpose air to the most stringent food and pharmaceutical applications. Sullair filters are available from 25 to 17,700 scfm, 15 to 725 psig, and 36°F (2°C) to 350°F (177°C).

- Filtration equipment includes pre-filters, high efficiency filters, high-pressure high-temperature and odor-removal filters
- The type, number, and placement of filters depend on the applications and the degree of contaminant removal required
- Certifications: ISO 8573-1, ASME, CRN

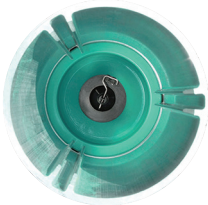
Element Features

- 7 element types
- Superior construction
- Efficient drainage layer
- Hydrophobic micro fiber
- Deep pleats
- Stainless steel cores
- Special disruptive pattern
- PVC impregnated layer
- End cap key fit



STATE OF THE ART
FILTER ELEMENT AND FEATURES

The Sullair range of compressed air filters is designed from the outset to meet current and forthcoming requirements for compressed air quality. Using aerospace technology, Sullair has optimized the flow path through the housing and element, significantly reducing air turbulence and pressure losses. Providing an optimal flow path is key to reducing pressure drop and system operating costs.



Drainage Ribs

Filter housing and element integrate to provide capillary action which greatly improves liquid drainage. Interaction between housing and element also ensures maximum coalescing performance is achieved at all times.

Recessed Drain

Specially designed auto drain system protects the auto drain against damage during shipping, handling and installation.

THE FILTRATION
PROCESS

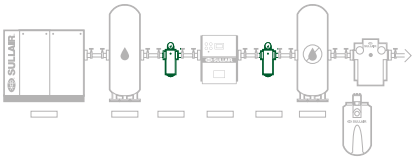
Deep Bed Pleating

For particle and aerosol removal, deep bed pleating provides 450% more filter media than an ordinary element, giving a larger filtration area, lower flow velocities, increased dirt holding capacity, lower running costs and a more compact filter element. Graded density further improves filter life and overall performance.

Oil Vapor Removal

While mechanical filtration is capable of removing extremely fine liquids and solid particles, it cannot remove gaseous contaminants such as oil vapor or odors. To efficiently remove these vapors, Sullair FXC and FWC filters employ adsorption techniques.

Micro-glass filter media



SULLAIR
MIST ELIMINATORS

The time-tested range of Sullair Mist Eliminators combines extensive research and development with decades of experience in compressed air treatment.

Sullair now offers the ideal solution to ever increasing demands from the industry for clean, high quality compressed air, efficient removal of oil-mist carryover from piston or oil flooded rotary compressors.

Compressed air processing equipment must have a very low pressure drop, long service life, and be strong enough to withstand the most harsh operating conditions. Protection from slugs of oil or compressor air/oil separator failure is essential.

The range of Mist Eliminators is specifically designed to meet these demands and will optimize oil removal while ensuring extremely low pressure drop and long service life.

Element

- Ultra low .05 psi differential
- High load factor compared to conventional hand packed media which is prone to poor performance under varying load conditions
  - Provides 9–10 times greater filtration surface area, greater dirt holding capability and lower pressure drop
  - Eliminates migration of airflow to area of least resistance, also known as “channeling”
  - Eliminates the shedding of media
  - Consistent quality
- Strong stainless steel support sleeve construction
  - Eliminates rust and corrosion which can contaminate the air system
  - Integral support of the filtration media to eliminate bypass of contaminants
- For the removal of particles down to 1 micron including coalesced liquid water and oil providing a maximum remaining oil aerosol content of 0.5 ppm

Special machine pleated element construction

The machined pleating of the filter media increases its stability under changing loads and reduces the specific surface tension.

Low Pressure Drop and Operating Costs

The Sullair Mist Eliminator’s pressure drop is one of the lowest available at 0.5 psi which is typically 4 psi lower than conventional filters. This provides significant energy savings based on the rule of thumb that for every 2 psi pressure drop that is eliminated, a 1% energy reduction in compressor horsepower is achieved.

Therefore annual energy savings would be:

4 psi = 2% savings in lost compressor power

Annual energy savings on 100 hp system

$0.05/kWh x 8760 hours x 74.6 kW x 2% = $ 653

$0.08/kWh x 8760 hours x 74.6 kW x 2% = $1046

$0.10/kWh x 8760 hours x 74.6 kW x 2% = $1307

SP OIL/WATER SEPARATORS

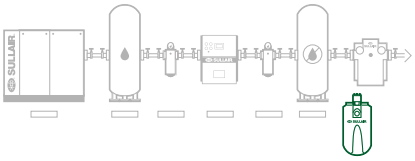
FEATURES AND BENEFITS

- Less than 10 ppm guarantee
- Rugged HDPE construction
- Easy installation
- Place it and forget it
- Maintenance free
- No pumps, sensors, or pre-separation filter pads
- No messy element changes
- No power consumption
- No fumes
- No odors
- Disposal as non-hazardous special waste
- Environmentally considerate

SP's are proven to handle condensate containing these common compressor lubricants (including emulsified and silicone condensate solutions):

- Polyglycols
- Diester-based lubricants
- PAO-based lubricants
- Glycol-based lubricants
- Silicone-based fluids (++)
- Hydraulic lubricants
- Food grade lubricant
- Mineral-based lubricants

++ Silicone Pak required on most models



THE PERFORMANCE OF SULLAIR SP OIL/WATER SEPARATORS

The Problem

Compressed air systems generate liquid condensate that is a combination of water, oil and various other contaminants. Failure to remove these contaminants is bad for the environment and risks substantial regulatory penalties and costly remediation.

For example: A 1000 cfm (1700 m^3/hr) compressor with a refrigerated dryer can produce over 57,000 gallons of condensate per year. One gallon of oil can cover 4 acres of water surface. This oil:

- Inhibits the operation of water treatment plants by choking bacteria used for sewage digestion
- Kills plants, fish and animals by reducing oxygen in water

The Green Solution

SP model Oil/Water Separators are engineered molecular filtration solutions for condensate discharge problems. These units are designed for molecular filtration of condensate, including emulsified lubricant solutions. SP units have a Performance Guarantee of less than 10 ppm oil carryover.

SP model Oil/Water Separators are engineered to minimize maintenance and reduce the cost of dealing with wastewater streams. This advanced molecular filtration system removes all types of lubricants, providing a truly scientific solution to the condensate problem.

SP units are filled with a media bed formulated to attract and hold contaminants, while at the same time repelling water molecules. Wastewater passes through the media bed and traps the contaminants. The lubricants are actually bonded to the media bed, virtually eliminating the possibility of ground water contamination from the spent bed.

Unlike gravity-type oil/water separators that use elements and time to pre-filter condensate, the SP units need no pumps, sensors or pre-separation filter pads. In addition, the rugged internal piping and a fail-safe decompression chamber assure proper operation.

All SP Oil/Water Separators contain media of the highest quality substrate. The media is a product of a proprietary sequenced process that applies the proper layers under tight quality assurance standards.

In most cases, used SP unit disposal can be managed by a regular waste management pick up service, provided the proper paperwork is completed.

DRAINS

FEATURES AND BENEFITS

The Ultra — Zero Air Loss Drain

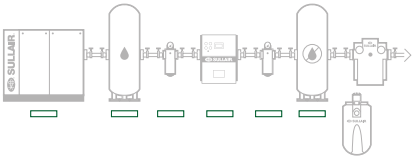
- Zero air loss during the discharge cycle
- Compressed air systems up to 3600 scfm (101.9 m^3/min)
- Simple to install, easy to maintain
- Many programmable features
- Integrated mesh strainer
- Valve is fully serviceable
- Anti-air lock

The Mini — Zero Air Loss Drain

- No electricity required
- Zero air loss during the discharge cycle
- Designed for any size downstream filters
- Simple to install, easy to maintain
- Valve is fully serviceable

Timed Solenoid Drain

- Does not air lock during operation
- Works with any size system
- Dual thread inlet
- Valve is fully serviceable
- Mounting can be vertical or horizontal
- Built-in test feature
- UL/CUL approved



SULLAIR
DRAIN FAMILY

The Ultra – Zero Air Loss Drain

The Ultra is designed to remove condensate from compressors and dryers up to 3600 scfm capacity. The operation is automatic and there is zero air lost during the condensate discharge cycle.

The Ultra also offers many programmable features to allow it to be customized to the application. Alarm contacts can be programmed N.O. or N.C. Service alarm interval can be set, anti-air lock feature can be set, as well as many other features. It also offers an array of fault alarms should the drain stop functioning correctly.

The Mini – Zero Air Loss Drain

The Mini is designed to remove condensate from air filters up to any size and type. It utilizes internal magnets for its power source requiring no electrical power. The operation is automatic and there is zero air lost during the condensate discharge cycle.

Timed Solenoid Drain

The Timed Solenoid is designed to remove condensate from any compressed air application. Its unique design includes a built-in shut off valve and strainer. The strainer protects the valve and orifice from becoming plugged with debris and the shut off valve allows for safe isolation from the air source when maintenance is performed.

ABOUT SULLAIR

For more than 50 years, Sullair has been on the leading edge of compressed air solutions. We were one of the first to execute rotary screw technology in our air compressors. And our machines are famous all over the world for their legendary durability. As the industry moves forward, Sullair will always be at the forefront with quality people, innovative solutions, and air compressors that are built to last.

Sullair was founded in Michigan City, Indiana in 1965, and has since expanded with a broad international network to serve customers in every corner of the globe. Sullair has offices in Chicago and manufacturing facilities in the United States, China and India — all ISO 9001 certified to assure the highest quality standards in manufacturing.

We have centered our operations around three key pillars: innovation, durability and people.

INNOVATION

Sullair has a long history of breakthrough solutions, from cutting-edge rotary screw technology in our air compressors to premium lubricants including the 10,000-hour Sullube®. We continuously explore new ideas and technologies to find better, more energy efficient compressed air solutions. Our customers recognize this innovative history and look for more to come.

DURABILITY

Our customers describe Sullair air compressors as bulletproof — and the proof can be viewed on roadsides. Do you ever see well-used Sullair compressors on construction sites? That's because they are still running! We have profiled a number of our customers including a factory owner in Rockford, Illinois, who has used the same Sullair compressor since 1979, and we know there are others out there operating even older units.

PEOPLE

At the end of the day, the people are what tie all of this together. We are proud to say that Sullair employees, our experienced distributors and our loyal customers are Always There.

FILTRATION AND MIST ELIMINATORS

SULLAIR. Always air. Always there.

SPECIFICATIONS

FILTER MODEL	INLET–OUTLET PORT SIZE	CAPACITY scfm	CAPACITY m^3/min	DIMENSION A in	DIMENSION A mm	DIMENSION B in	DIMENSION B mm	DIMENSION C in	DIMENSION C mm	WEIGHT lbs	WEIGHT kg
FX-25*	3/8"	25	0.7	4	101	8	203	7	178	3	1.3
FX-25	1/2"	25	0.7	4	101	8	203	7	178	3	1.3
FX-45*	1/2"	45	1.27	4	101	10	254	9	228	3	1.3
FX-65	3/4"	65	1.84	5	127	10	254	11	279	4	1.8
FX-65	1"	65	1.84	5	127	10	254	11	279	4	1.8
FX-130*	1"	130	3.68	5	127	15	381	14	355	6	2.7
FX-240*	1-1/2"	240	6.79	5	127	19	482	17	432	7	3.2
FX-350*	1-1/2"	350	9.91	5	127	21	533	19	482	8	3.6
FX-475*	2"	475	13.45	6	152	24	609	22	559	12	5.4
FX-700	2"	700	19.82	6	152	27	686	25	635	12	5.4
FX-925*	3"	925	26.19	8	203	29	736	21	533	23	10.4
FX-1350*	3"	1350	38.23	8	203	29	736	27	686	26	11.7
FX-1600*	3"	1600	45.31	8	203	42	1067	40	1016	27	12.2

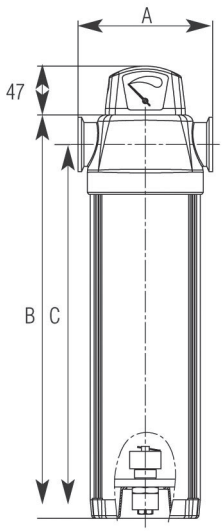
* Denotes standard inlet and outlet port sizes

FILTER MODEL	MAXIMUM OPERATING PRESSURE psig	MAXIMUM OPERATING PRESSURE bar	MAXIMUM OPERATING TEMPERATURE Fahrenheit	MAXIMUM OPERATING TEMPERATURE Celsius	MINIMUM OPERATING TEMPERATURE Fahrenheit	MINIMUM OPERATING TEMPERATURE Celsius	STANDARD DRAIN TYPE
FXF	290	20	176°F	80°C	36°F	2°C	auto
FXH	290	20	176°F	80°C	36°F	2°C	auto
FXC	290	20	176°F	80°C	36°F	2°C	manual
FXFR	290	20	176°F	80°C	36°F	2°C	manual
FXHR	290	20	176°F	80°C	36°F	2°C	manual
FXFRHT	290	20	350°F	176°C	36°F	2°C	manual

(An optional zero-loss ddrain is available for all Sullair filters)

PRESSURE CORRECTION FACTOR FOR STANDARD PRESSURE FILTERS														
Line Pressure (psig)	25	40	50	60	75	90	100	110	125	140	150	160	175	200
Correction Factor	0.49	0.62	0.69	0.76	0.86	0.95	1	1.04	1.1	1.17	1.21	1.25	1.31	1.4
Line Pressure (barg)	1	2	3	5	7	9	11	13						
Correction Factor	0.38	0.53	0.65	0.85	1	1.13	1.25	1.36						

FX Filter



FILTRATION AND MIST ELIMINATORS

SPECIFICATIONS

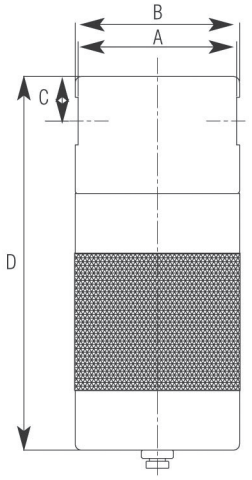
SULLAIR ELEMENT TYPE	COLOR CODE	EFFICIENCY PERFORMANCE	MEDIA / TYPE / PATTERN	FLOW DIRECTION	DRY PRESSURE DROP		WET PRESSURE DROP	
					psig	bar	psig	bar
F	Blue	1 micron & .5 ppm carryover	Wrapped	In-to-Out	0.6	0.04	1.2	0.08
FR	Blue	Reverse 1 micron & .5 ppm carryover	Pleated	Out-to-In	0.35	0.02	0.6	0.04
FRHT	Metal	High temperature reverse 1 micron & .5 ppm carryover	Pleated	Out-to-In	0.35	0.02	0.6	0.04
H	Red	0.01 micron & .01 ppm carryover	Wrapped	In-to-Out	1.2	0.08	2.3	0.15
HR	Red	Reverse 0.01 micron & .01 ppm carryover	Pleated	Out-to-In	0.45	0.03	0.7	0.04
C	Metal	0.01 micron & .003 ppm carryover	Carbon	Out-to-In	2.3	0.15	2.3	0.15
Ultra U	White	0.01 micron absolute	Wrapped	Out-to-In	5	0.34	absolute	

FILTER MODEL	INLET–OUTLET PORT SIZE	CAPACITY		DIMENSION A		DIMENSION B		DIMENSION C		DIMENSION D		WEIGHT	
		scfm	m^3/min	in	mm	in	mm	in	mm	in	mm	lbs	kg
FHP-60	1/4"	60	1.7	4	101	9	228	1	25	6	152	7	3.2
FHP-175	1/2"	175	4.95	4	101	9	228	1	25	6	152	7	3.2
FHP-350	3/4"	350	9.91	4	101	9	228	1	25	8	203	8	3.6
FHP-500	1"	500	14.16	5	127	5	127	1	25	10	254	14	6.3
FHP-700	1"	700	19.82	5	127	5	127	1	25	12	304	18	8.2
FHP-950	1-1/2"	950	26.9	5	127	5	127	2	50	14	355	21	9.5
FHP-1500	2"	1500	42.48	6	152	6	152	2	50	15	381	25	11
FHP-1750	2-1/2"	1750	49.56	6	152	7	177	2	50	15	381	28	13

FILTER MODEL	MAXIMUM OPERATING PRESSURE		MAXIMUM OPERATING TEMPERATURE		MINIMUM OPERATING TEMPERATURE		STANDARD DRAIN TYPE
	psig	bar	Fahrenheit	Celsius	Fahrenheit	Celsius	
FXP	725	50	176°F	80°C	36°F	2°C	manual

PRESSURE CORRECTION FACTOR FOR STANDARD PRESSURE FILTERS							
Pressure psig	290	363	435	508	580	653	725
Pressure barg	20	25	30	35	40	45	50
Correction factor	0.63	0.7	0.78	0.83	0.9	0.95	1

HP Filter



Manual drain

FILTRATION AND MIST ELIMINATORS

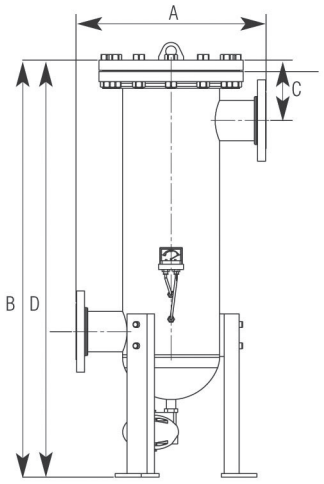
SPECIFICATIONS

FILTER MODEL	INLET–OUTLET PORT SIZE	DIMENSION A in	DIMENSION A mm	DIMENSION B in	DIMENSION B mm	DIMENSION C in	DIMENSION C mm	DIMENSION D in	DIMENSION D mm	MIN. CLEARANCE FOR ELEMENT CHANGE	DRAIN PORT SIZE NPT	ELEMENT QTY.
FW-1500	3" flange	18	457	46	1168	11	279	30	762	26"	1/2"	2
FW-1900	4" flange	18	457	46	1168	11	279	30	762	26"	1/2"	3
FW-2500	4" flange	21	533	46	1168	11	279	30	762	26"	1/2"	4
FW-3800	6" flange	23	584	50	1270	13	330	31	787	26"	1/2"	6
FW-5000	6" flange	23	584	51	1295	13	330	31	787	26"	1/2"	8
FW-6500	6" flange	29	736	53	1346	15	381	33	838	26"	1/2"	10
FW-8300	8" flange	30	762	55	1397	15	381	33	838	26"	1/2"	14
FW-10000	10" flange	32	813	58	1473	16	406	34	863	26"	1/2"	16
FW-12400	12" flange	34	864	61	1549	18	457	35	889	26"	1/2"	16

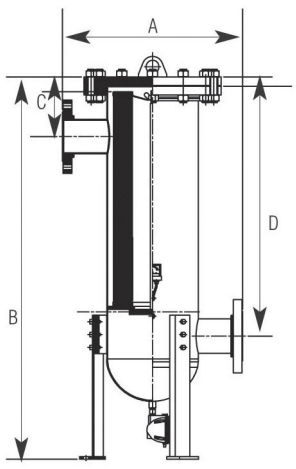
MIST ELIMINATOR MODEL	INLET–OUTLET PORT SIZE	DIMENSION A in	DIMENSION A mm	DIMENSION B in	DIMENSION B mm	DIMENSION C in	DIMENSION C mm	DIMENSION D in	DIMENSION D mm	MIN. CLEARANCE FOR ELEMENT CHANGE	DRAIN PORT SIZE NPT	SEPARATOR QTY.
ELM-150	2" flange	20	508	35	889	9	228	18	457	13"	1/2"	1
ELM-300	2" flange	20	508	39	990	9	228	22	558	17"	1/2"	1
ELM-600	2" flange	20	508	53	1346	9	228	36	914	31"	1/2"	1
ELM-800	3" flange	20	508	61	1549	11	279	43	1092	37"	1/2"	1
ELM-1200	3" flange	24	609	56	1422	11	279	37	939	31"	1/2"	1
ELM-1600	3" flange	24	609	62	1574	11	279	43	1092	37"	1/2"	1
ELM-2100	4" flange	28	711	56	1422	13	330	38	965	31"	1/2"	1
ELM-2750	4" flange	28	711	64	1625	13	330	44	1117	37"	1/2"	1
ELM-4200	6" flange	32	812	61	1549	15	381	39	990	31"	1/2"	1
ELM-6000	6" flange	32	812	71	1803	15	381	49	1244	41"	1/2"	1
ELM-8000	8" flange	34	863	75	1905	16	406	50	1270	41"	1/2"	1
ELM-10000	10" flange	40	1016	79	2006	19	482	51	1295	41"	1/2"	1
ELM-12000	12" flange	40	1016	101	2565	20	508	73	1854	61"	1/2"	1

FILTER MODEL	MAXIMUM OPERATING PRESSURE psig	MAXIMUM OPERATING PRESSURE bar	MAXIMUM OPERATING TEMPERATURE Fahrenheit	MAXIMUM OPERATING TEMPERATURE Celsius	MINIMUM OPERATING TEMPERATURE Fahrenheit	MINIMUM OPERATING TEMPERATURE Celsius	STANDARD DRAIN TYPE
FW/ELM	200	14	176°F	80°C	36°F	2°C	external float drain

FW Filter



Mist Eliminator



SP OIL/WATER
SEPARATORS

SULLAIR
Always air. Always there.

FEATURES AND BENEFITS

- Less than 10 ppm guarantee
- Rugged HDPE construction
- Easy installation
- Place it and forget it
- Maintenance free
- No pumps, sensors, or pre-separation filter pads
- No messy element changes
- No power consumption
- No fumes
- No odors
- Disposal as non-hazardous special waste
- Environmentally considerate

SP's are proven to handle condensate containing these common compressor lubricants (including emulsified and silicone condensate solutions)

NOTE: ++ Silicone Pak required on most models

- Polyglycols
- Diester-based lubricants
- PAO-based lubricants
- Glycol-based lubricants
- Silicone-based fluids (++)
- Hydaulic lubricants
- Food grade lubricants
- Mineral-based lubricants

PROCESS COMPARISON

PROCESS COMPARISON	SP UNITS	FLOTATION/GRAVITY	FLOTATION WITH SORBENT FINAL FILTER	BOIL OFF
Polyglycols, Silicones & Emulsified	Yes	No	No	Yes
Performs equally with all lubricants	Yes	No	No	Yes
Electric power required	No	No	Yes	Yes
Maintenance free	Yes	No	No	No
Pump required	No	No	Yes	No
Sensors required	No	No	Yes	Yes
Odor free	Yes	No	No	No

SPECIFICATIONS

SPECIFICATIONS	SP7	SP-25	SP-40	SP-60
Inlet (see notes below)	4 x .25"	6 x .25"	6 x .25"	6 x .25"
Outlet (see notes below)	1 x .50" schedule 80 PVC hose barb	1 x .50" schedule 80 PVC hose barb	1 x .50" schedule 80 PVC hose barb	1 x .50" schedule 80 PVC hose barb
Height (H)	22"	21.75"	41.75"	41.75"
Width (A/B)	11"	20"	20"	20"
Maximum flow (gpm)	3	10	15	15
Maximum psig	175	175	175	175
Maximum / minimum temperature	155°F / 33°F	155°F / 33°F	155°F / 33°F	155°F / 33°F
Minimum weight	41 lbs	200 lbs	330 lbs	470 lbs

Notes:
SP model Oil/Water Separators are filled by volume, not by weight.

Inlet note:
The inlet hub is fitted with 6 x .25" brass hose barbs that accommodate .25" inside diameter hose to be fastened with a drive clamp.

Outlet note:
The outlet hub is fitted with 1 x .50" schedule 80 PVC hose barb that accommodates .50" inside diameter hose to be fastened with a drive clamp.

HOW IT WORKS

1. SP model Oil/Water Separators are simple, efficient, and maintenance free.
2. The condensate from the waste stream is piped directly into the SP inlet and flows through a specially engineered internal decompression chamber.
3. The condensate comes into contact with the media bed and the lubricant bonds to the media bed.
4. The cleansed water passes through the media and flows to the outlet.
5. Monitor Water discharged from SP Oil/Water Separators
6. When planned change period is reached or water turns cloudy the separator should be replaced.

SP OIL/WATER
SEPARATORS

SULLAIR
Always air. Always there.

MODEL SELECTION/SIZE TABLE

Any size SP Oil/Water Separators can be used with all compressor sizes regardless of lubricant or humidity; the amount of lubricant in condensate determines the livespan of each unit. This monthly chart is based on 3.5 ppm carryover performance.

Life expectancy of the SP Oil/Water Separators depends on the amount of lubricant carryover from the compressor(s).

Contaminant absorption capacity is approximately 50% of media bed volume.

USAGE CHART (IN MONTHS)

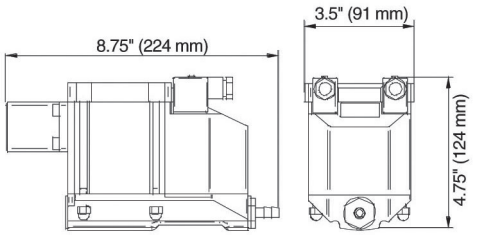
HP	DISCHARGE SCFM	SP7	SP-25	SP-40	SP-60
5	20	24			
10	40	24			
15	75	24			
20	100	12	24		
25	125	12	24		
30	150	12	24		
40	200	12	24		
50	250	6	12	24	
60	300		12	24	
75	375		12	24	24
100	500		12	24	24
125	600		12	12	24
150	750			12	24
200	1000			12	12
300	1600				12
350	1900				12
400	2200				6
450	2350				6
500	2500				6
600	3000				6

Application Notes:
1. Application Chart calculations are operating hours and typical operating condensate flows.
   Life spans may vary due to differences in air compressor oil consumption rates, age and maintenance of compressor.
2. For larger applications, units may be installed in series or groups.
3. SP units are disposable units and do not require element changes.
4. Recommended service months.

DRAINS

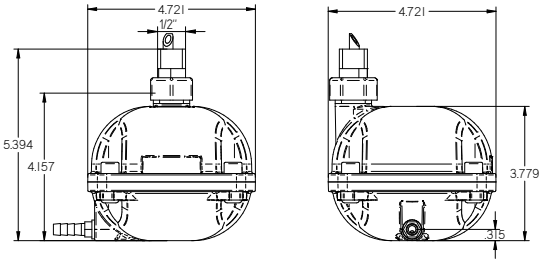
THE ULTRA SPECIFICATIONS

Voltage	115 VAC or 230 VAC
Inlet connection	1/2” NPT
Outlet connection	1/2” NPT or 3/8” hose barb
Maximum pressure	230 psi
Maximum temperature	122°F
Minimum temperature	35°F
Maximum compressor capacity	3600 cfm
Maximum drainage capacity	80 gph
Electrical protection rating	NEMA 4/IP65



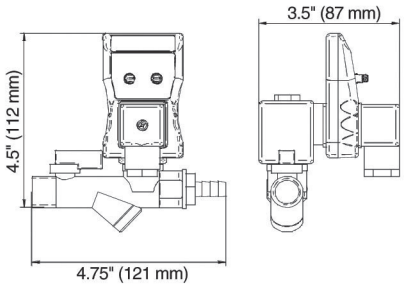
THE MINI SPECIFICATIONS

Inlet connection	1/2” NPT
Outlet connection	1/8” NPT
Maximum pressure	230 psi
Maximum temperature	122°F
Minimum temperature	35°F
Maximum filter capacity	Unlimited
Maximum drainage capacity	40 gph



TIMED SOLENOID SPECIFICATIONS

Voltage	115 VAC or 230 VAC
Inlet connection	1/2” NPT O.D & 1/4” npt I.D.
Outlet connection	1/2” NPT
Maximum pressure	300 psi
Maximum temperature	130°F
Minimum temperature	35°F
Electrical protection rating	NEMA 4/IP65



FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

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