



# SULLAIR OIL/WATER SEPARATORS

Separators for All Lubricant Types

*45 – 7200 cfm*



# 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 and China — all ISO 9001 certified to ensure the highest quality standards in manufacturing. In addition, the Sullair Suzhou facility is ISO 14001 and OHSAS 18001 certified.*

## **RELIABILITY.**

## **DURABILITY.**

## **PERFORMANCE.**

*These are the pillars that drive the quality of Sullair compressed air solutions. It's a promise we keep with every machine we make.*

## **Sullair is A Hitachi Group Company**

## **RELIABILITY**

Customers who work with Sullair have found that the intangibles make all the difference — things like trust, confidence, and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge that dedicated distributors and Sullair personnel have their back every step of the way.

## **DURABILITY**

Bulletproof. Built to last. However you spin it, Sullair compressed air solutions are in it for the long haul, driven by the design of the legendary air end. In factories and shops all over the world, you'll find Sullair compressors that have stood the test of time, running consistently today like they did on day one.

## **PERFORMANCE**

You have high expectations for your operations, and we make machines that share your work ethic. Sullair compressed air solutions do what they're supposed to do, and they do it extremely well for a very long time. And working with us means not only access to clean, quality air, but also the tools you need to optimize this vital resource.

# THE IMPORTANCE OF OIL/WATER SEPARATORS

Compressed air systems generate condensate made up of water and various other contaminants. Failure to remove these contaminants is bad for the environment. Plus, it may violate the law—putting you at risk of penalties and other consequences.

## The Sullair Solution

Sullair offers two separator series options—the SULLIPRO™ and the SP.

## SP SERIES

The SP Series is a non-cartridge option using molecular filtration.

### How SP Units Work

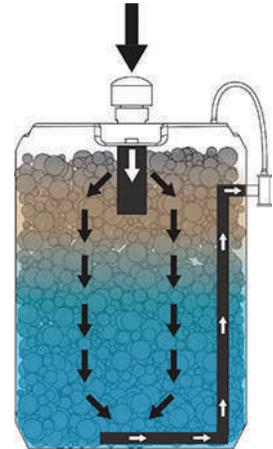
Condensate flows into the depressurization chamber where pressure is reduced.

Then, the condensate contacts the media bed and bonds to the unique alumina silicate modified to create an ionic charge.

The cleansed water passes through the media and flows to the outlet.

The monitor water is discharged via the drain.

When planned change period is reached or water turns cloudy, the separator should be replaced.



## SULLIPRO SERIES

### How SULLIPRO Units Work

The SULLIPRO Series uses a unique cartridge design.\*

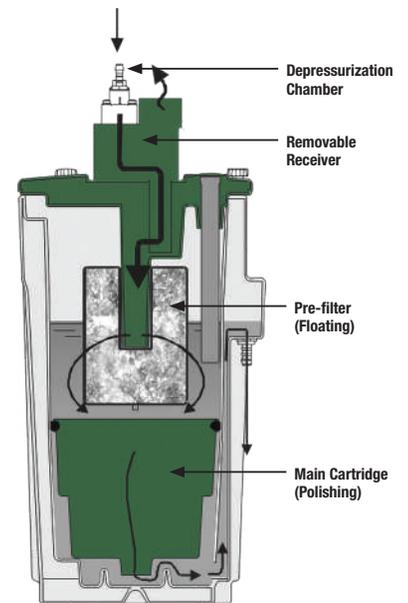
Condensate flows into the depressurization chamber where pressure is reduced.

Then, coarse dirt particles are separated into a removable receiver.

Remaining condensate enters the pre-filter. Designed with cartridge technology and a large, active filtering surface, the pre-filter binds oil droplets and absorbs remaining residual floating oil in the filter chamber as condensate flows from inside to outside.\*

Then, clean water is piped into a waste water drain and separated oil is contained within the main cartridge for proper disposal.

Once full, the landfill-compliant main cartridge can be disposed of normally in most cases.



\*SULLIPRO 100 & 200 units feature direct to filter separation without a cartridge.

# SULLIPRO OIL/WATER SEPARATORS

SULLIPRO Oil/Water Separators are built for reliable operation, easy service and are environmentally friendly.

- Unique cartridge design *fig.1\*\**
  - Lightweight
  - Maintain a clean and dry exterior—no dirty hands!
  - Easy to change
- Specifically designed flow splitter for easy expansion *fig.2*
- Adjustable multi-port condensate inlets for easy installation
- Unique absorption material for maximum performance
- Reliable operation
  - Works with ALL compressor fluids—including polyglycol
- Environmentally safe
  - Comply with environmental regulations
  - Cartridge can be disposed of normally
  - Safe for most sanitary landfills



*fig.1*



*fig.2*



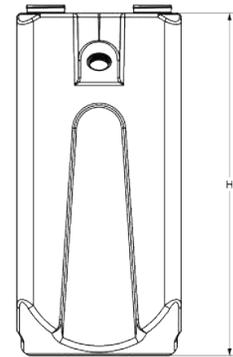
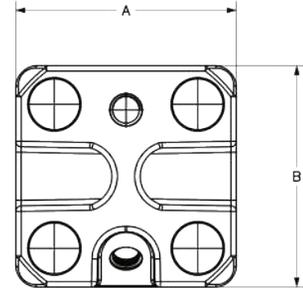
SULLIPRO OIL/WATER SEPARATORS	SULLIPRO 100 & 200	SULLIPRO 450-1500
Flow Rates <i>cfm</i>	45-225	270-7200
Suitable Lubricant Types	All - Including Polyglycol	All - Including Polyglycol
Separation Type	Direct to Filter	Direct to Cartridge
Cartridge Based System	No	Yes
Available Options	High Pressure Relief Chamber Alarm Sensor Multiple Inlet Adapter Flow Splitter Spill Protection Basin	High Pressure Relief Chamber Alarm Sensor Multiple Inlet Adapter Flow Splitter Spill Protection Basin

\*\*SULLIPRO 450-1500 units only

# SP OIL/WATER SEPARATORS

SP units offer an easy, convenient, clean and cost-effective solution to filter condensate discharge and keep your compressor room EPA compliant.

- Maintenance free
  - No need to ever open the unit
  - No pumps, sensors or pre-separation filter pads
  - Not susceptible to mold
  - No messy element to change
- No power consumption
  - No electricity needed
  - Internal decompression chamber
  - Place anywhere
- <10 ppm carryover
  - Separates emulsified condensate
  - Disposal as non-hazardous special waste
- Easy installation and change out
  - Prime unit and run condensate lines directly into unit
  - Saves time and mess for service
  - When full, replace with a new unit
- Works with ALL compressor fluids
  - Manages all compressor fluids including POLYGLYCOL and SILICONE
  - Alumina silicate substrate media bed
  - Specific gravity, emulsification and relative humidity do not affect performance



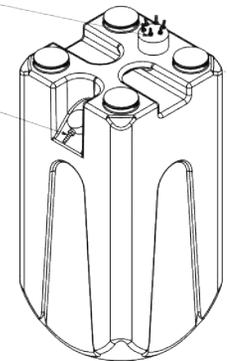
Any size SP Oil/Water Separators can be used with all compressor sizes regardless of lubricant or humidity. The amount of lubricant in condensate determines the lifespan of each unit.

## Disposal

- Spent units can be disposed of at most sanitary landfills once excess liquid is drained and vent caps are removed.
- Units can also be recycled by following the process on [www.recycleoilsep.com](http://www.recycleoilsep.com).

6 X 1/4" HOSE BARB  
CONDENSATE INLET

3/4" HOSE BARB  
CLEAN WATER  
DISCHARGE



hp	cfm	SP-07	SP-25	SP-40	SP-60
5-20	20-100	up to 36	-	-	-
25-30	125-150	24	-	-	-
40-60	200-300	12	-	-	-
75-100	375-500	6	-	-	-
125-150	600-750	-	24	-	-
200-250	1000-1250	-	12	24	-
300-350	1600-1900	-	6	12	24
400-450	2200-2350	-	6	12	18
500-600	2500-3000	-	-	6	12

# TECHNICAL SPECIFICATIONS

FOR MORE INFORMATION, CONTACT YOUR LOCAL AUTHORIZED SULLAIR DISTRIBUTOR.

## SULLIPRO HIGH-EFFICIENCY OIL/WATER SEPARATORS

Model	Condensate Feed	Media Capacity (gal)	Tank Capacity (gal)	Filling Capacity (gal)	Height (in)	Width (in)	Depth (in)	Weights (lbs)
SULLIPRO 100	2 x ½"	1 x 1.3	2.6	1.1	21	8	-	7.7
SULLIPRO 200	2 x ½"	1 x 2.4	4.9	3.1	23	15	-	12.7
SULLIPRO 450	3 x ½" / 1 x 1"	1 x 5.2	17.7	12.4	26	18	21	24.5
SULLIPRO 900	3 x ½" / 1 x 1"	1 x 4.9 / 1 x 5.3	30.51	19.15	44	23	21	70.6
SULLIPRO 1500	3 x ½" / 1 x 1"	1 x 9.8 / 1 x 10.7	60.32	36.24	47	28	26	92.6

## ROTARY SCREW COMPRESSOR MAX hp

Model	Mineral Oils	PAO/Diester Oils	Polyglycol Oils
SULLIPRO 100	25	20	15
SULLIPRO 200	50	35	25
SULLIPRO 450	100	75	50
SULLIPRO 900	200	130	100
SULLIPRO 1500	350	210	175

	SP-7	SP-25	SP-40	SP-60
INLET	4 x .25"	6 x .25"	6 x .25"	6 x .25"
OUTLET	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 psi	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

## CLIMATE ZONE CORRECTION FACTORS

COOL/MILD	1
MEDIUM/ARID	0.9
HOT/TROPICAL	0.7

## FILTER CARTRIDGE LIFE CYCLE\*\*\*

Shifts	Months
1	10-14
2	8-12
3	5-9

Min/Max Ambient Temperature °F	41/140
Max Condensate Temperature °F	140
Max Operating Pressure psi	232

### Sizing Chart Instructions

Identify Type of Oil

Identify Compressor hp\*\*\*

Apply Climate Zone Factor

Contact your local distributor for sizing.

**Formula:** Compressor hp x Climate Zone Correction Factor

\*\*\*For multiple compressors, use total system hp

