

aIRSTaR

SIROCCO

300 – 400 – 500 – 700 – 1000 – 1300

User manual



Set-up video



WATCH

SAFETY INSTRUCTIONS

WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, EXCESSIVE EXPOSURE TO RADIATION OR INJURY:



1. Ensure that the power is disconnected when setting up the light source.
2. The light source must be installed by qualified personnel.
3. Do not attempt to modify/repair your Sirocco independently: all repairs must be carried out exclusively by AIRSTAR authorised personnel.
4. Always disconnect your product and wait 15 minutes for it to cool down before carrying out maintenance.
5. Do not use your product if the envelope is damaged or missing.
6. Do not use your product if any electronic components are damaged or if there are parts missing.
7. Do not use your product on the stand if the surface is uneven or if the ground has a gradient of $> 8^\circ$.
8. Do not use your product if the wind speed exceeds 100 km/h (62 mph).
9. AIRSTAR strongly recommends the use of the stands listed.
10. Be aware of local weather conditions and any changes in conditions, particularly in terms of wind speed. Set the height of the stand in accordance with these conditions.
11. Only use extension cables and sockets that enable the lighting to be connected to ground.
12. When using the balloon in a humid environment, a residual current device must be provided on the circuit or the socket.

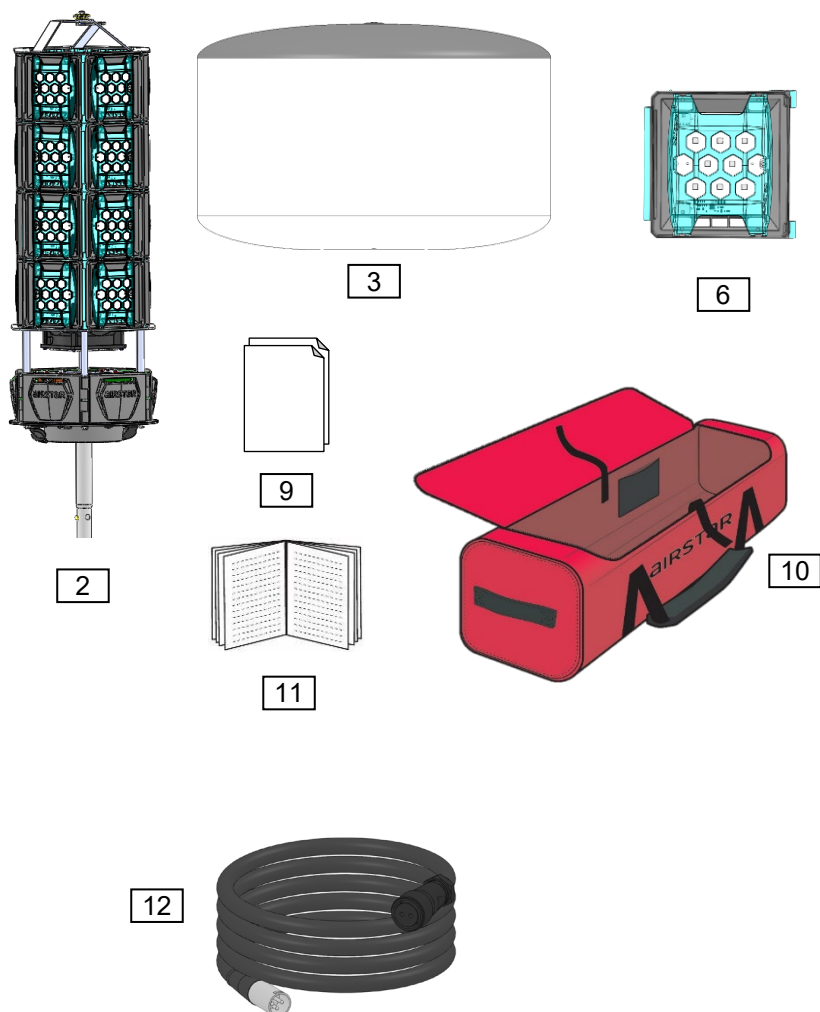
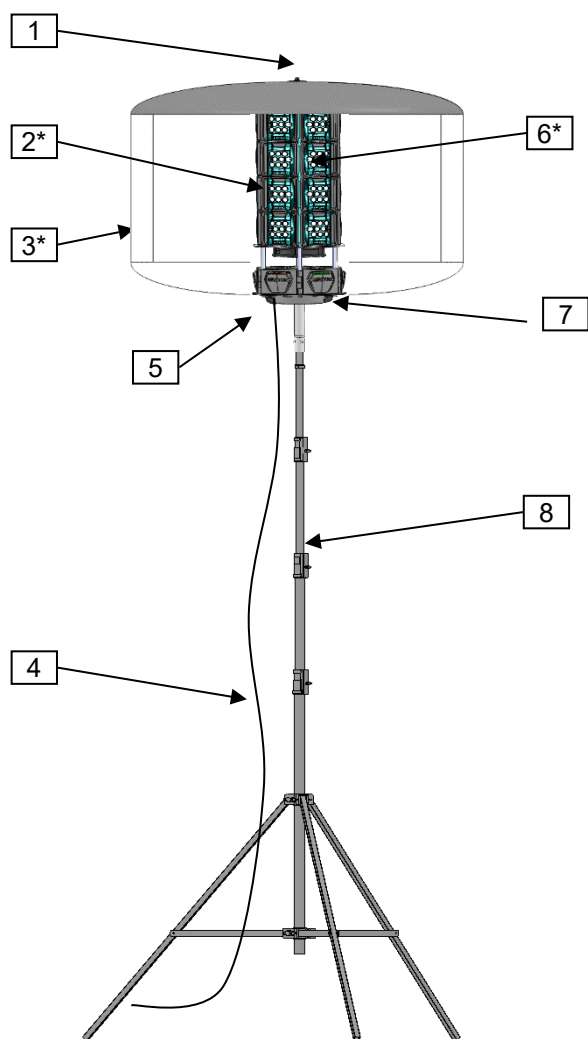
RETAIN ALL THESE INSTRUCTIONS WITH YOUR PRODUCT

INSTRUCTIONS FOR USE

1. Cover the envelope when the lighting is not in use and the balloon is on site, but deflated.
2. Store your Sirocco in a dry, well-ventilated area, away from heat sources and chemical products.
3. Ensure that the envelope is completely dry before putting it away.
4. Do not use chemical solvents to clean the envelope. Use mild soap and water, if necessary.
5. Protect the envelope by keeping it away from walls, projectiles, electrical wires, trees, animals, etc.
6. Do not modify the electrical components or the structure of the unit.
7. Do not use your Sirocco if the cable is damaged, twisted or tangled.
8. Take care to only operate the product when the filter is as clean as possible, and unobstructed. Any change in the colour or appearance of the filter means that it needs to be cleaned. Poor air intake increases the temperature of the air inside the balloon and shortens the life span of the electronic components.
9. Precautions must be taken when handling the product in its original packaging. Take care not to allow the product to drop under its own weight when loading or unloading.
10. Any damaged or torn container must be replaced.

IF ONE OR MORE OF THESE RECOMMENDATIONS ARE NOT FOLLOWED, THE PRODUCT
WARRANTY WILL BE VOID.

PARTS LIST



1	Nut
2	Light source
3	Envelope
4	Power cable
5	Zip
6	LED Module
7	Base terminal
8	Stand (optional)
9	Envelope repair kit (2 sheets)
10	Transport bag
11	User manual
12	Battery power cable (PowerSwitch option)

*see detail in right-hand diagram

INSTALLING A SIROCCO

WATCH THE VIDEO: <https://youtu.be/SGEvO3bVFok>

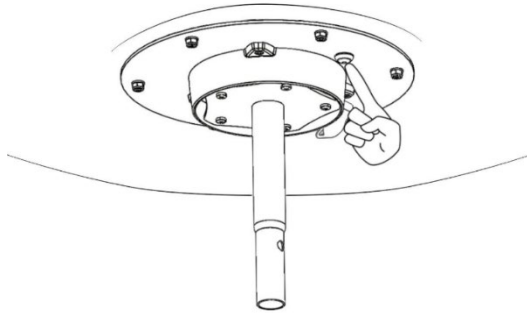
WARNING

To achieve the guaranteed protection category, do not subject the connection to any forces that may bend it (for example, do not attach loads to the cable, do not coil up unused cable, etc.).

The power cord must be replaced in the event that any parts are broken or it is excessively worn.

LIGHTING CONTROL AND AIRSTAR LIGHT APP

- **Connecting the power cable restores previous animations or settings**
 - Except if:
 - Light is at 0 % > light is restored at 10 %
 - Frequency is at 0 % > light and frequency are restored at 100 %
- **Disconnecting the power cable deflates the envelope**

LOCAL CONTROL (BUTTON):

Actions	Effects
Pressing once	Light ON > Full Light 100% Light OFF > Full Light 0%, envelope remains inflated If an animation is set > Full Light 100 % > OFF
Pressing for 4 seconds	The animation changes: flashing > revolving light > light at 100 %
Pressing for 10 seconds	Factory settings
Pressing and holding the button, and connecting the power	Remote control with the light app and Bluetooth connection (2 flashing lights) deactivated. Hold the button down and connect.

AIRSTAR LIGHT APP:

- ⇒ Use the AIRSTAR LIGHT app to control the light intensity and the animations (flashing, revolving light).
- ⇒ **PLEASE NOTE: CHANGE THE ADMIN AND USER PASSWORDS AND THE NETWORK NAME FOR SECURITY REASONS**
 - ⇒ Passwords for first connection
 - ✓ **Admin: 1994**
 - ✓ **User: 2020**
 - ⇒ Default network name: **AirstarMESH** (toothed wheel on the top left)
 - ⇒ Default number of authorised users: 1 Max 5. Change this in Settings (toothed wheel on the top left)

AIRSTAR LIGHT

**aIRSTAR**

Check that there is enough space in the installation area to allow the balloon to inflate, and to prevent the product from falling while it is inflating.

PLEASE NOTE

- Always use Airstar-approved stands which are designed to work with your Sirocco.
- Firmly close all the T-handles to prevent injury.
- The stands are EXCLUSIVELY designed for vertical mounting of Sirocco products. The use of any other fastening system that is not approved by Airstar will void your warranty, and you will be held liable in the event of a fall or accident.

Stand - P400-S

1. Unfold the stand and lock the base.
2. On the P400-S stands (Fig. 1), slide the feet of the stand out from their folded position until the reinforcing bars are precisely horizontal.
3. On the P400-S stands (Fig. 1), Airstar sandbags must be positioned on each stand feet and attached around the central column.

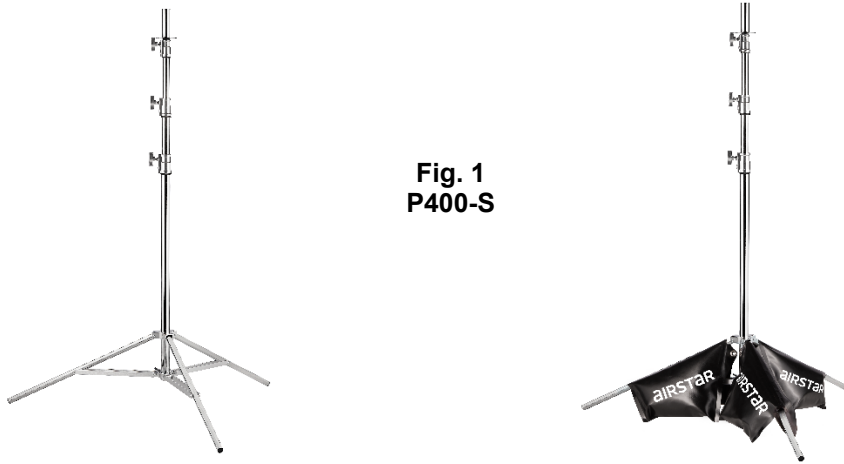


Fig. 1
P400-S

The ballast bags are compulsory on stands, whether they are used inside or outside. Airstar ballast bags (recommended) or other brands must contain a minimum of **12 kg/25 lb** with your choice of material (sand, steel balls, etc.).

Use the below tables to find out what weights are required, and/or whether to use guy ropes depending on the wind speed:

Height of the P400-S stand: 4 m/13 ft

Wind speed	Sirocco 300	Sirocco 500
3 bags or a minimum of 36 kg/75 lb	0 to 80 km/h 0 to 49 mph	0 to 80 km/h 0 to 49 mph
6 bags or a minimum of 72 kg/150 lb	0 to 80 km/h* 0 to 49 mph*	0 to 80 km/h* 0 to 49 mph*
Guy ropes AND 6 bags or a minimum of 72 kg/150 lb	0 to 80 km/h* 0 to 49 mph*	0 to 80 km/h* 0 to 49 mph*

* Indicative values for flat ground and normal wind. In the event of strong wind or gusts, use guy ropes and/or reduce the height of the stand. Guy ropes are the only way to prevent the products from falling over in the event of strong winds or gusts).

Stand - P460-AC / P480-S

1. Unfold the stand.
2. Lock the base.
3. On the P460-AC / P480-S stands (Fig. 2), slide the feet of the stand out from their folded position until the reinforcing bars are precisely horizontal.
4. On the P460-AC / P480-S stands (Fig. 2), Airstar sandbags must be positioned on each stand feet and attached around the central column.

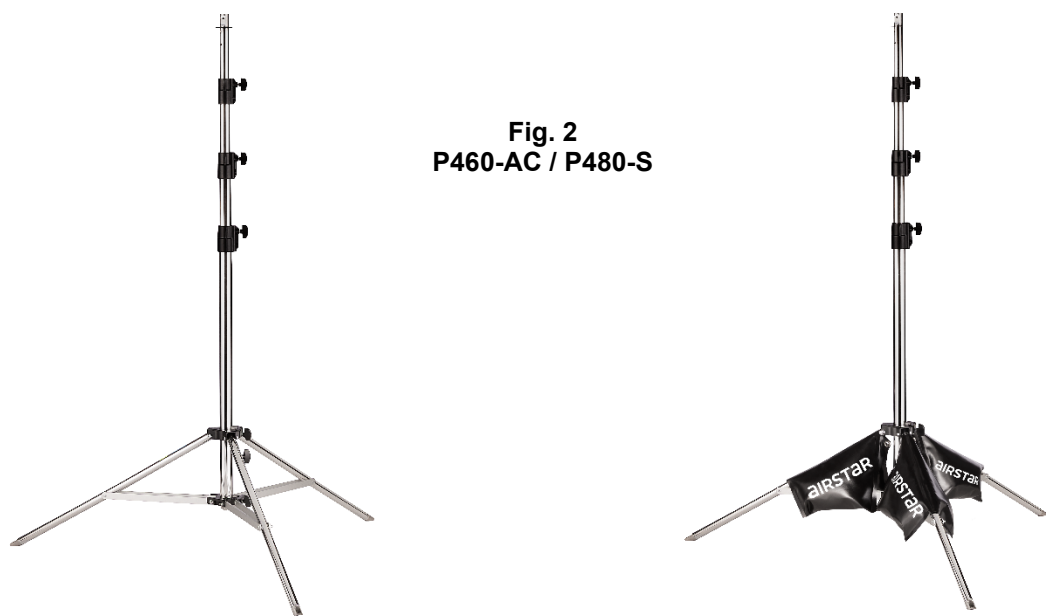


Fig. 2
P460-AC / P480-S

The ballast bags are compulsory on stands, whether they are used inside or outside. Airstar ballast bags (recommended) or other brands must contain a minimum of **12 kg/25 lb** with your choice of material (sand, steel balls, etc.).

Use the below tables to find out what weights are required, and/or whether to use guy ropes depending on the wind speed:
Height of the P460-AC / P480-S stands: 4.60 m/15 ft

Wind speed	Sirocco 400	Sirocco 700	Sirocco 1000	Sirocco 1300
3 bags or a minimum of 36 kg/75 lb	0 to 95 km/h 0 to 59 mph	0 to 68 km/h 0 to 42 mph	0 to 60 km/h 0 to 37 mph	0 to 50 km/h 0 to 31 mph
6 bags or a minimum of 72 kg/150 lb	95 to 100 km/h* 59 to 62 mph*	68 to 88 km/h* 42 to 54 mph*	60 to 76 km/h* 37 to 47 mph*	50 to 64 km/h* 31 to 39 mph*
Guy ropes AND 6 bags or a minimum of 72 kg/150 lb	95 to 100 km/h* 59 to 62 mph*	88 to 100 km/h* 54 to 62 mph*	76 to 100 km/h* 47 to 62 mph*	64 to 100 km/h* 39 to 62 mph*

* Indicative values for flat ground and normal wind. In the event of strong wind or gusts, use guy ropes and/or reduce the height of the stand. Guy ropes are the only way to prevent the products from falling over in the event of strong winds or gusts).

Stand - P500TA

1. Unfold the stand.
2. Lock the base.
3. On the P500TA stand (Fig. 3), slide the feet of the stand out from their folded position until the reinforcing bars are precisely horizontal.
4. On the P500TA stand (Fig. 3), Airstar sandbags must be positioned on each horizontal bar.



Fig. 3
P500TA

The ballast bags are compulsory on stands, whether they are used inside or outside. Airstar ballast bags (recommended) or other brands must contain a minimum of **12 kg/25 lb** with your choice of material (sand, steel balls, etc.).

Use the below tables to find out what weights are required, and/or whether to use guy ropes depending on the wind speed:

Height of the P500TA stand: 5 m/16 ft

Wind speed	Sirocco 300 / 500	Sirocco 400	Sirocco 700	Sirocco 1000	Sirocco 1300
3 bags or a minimum of 36 kg/75 lb	0 to 80 km/h 0 to 49 mph	0 to 95 km/h 0 to 59 mph	0 to 65 km/h 0 to 40 mph	0 to 55 km/h 0 to 34 mph	0 to 45 km/h 0 to 27 mph
6 bags or a minimum of 72 kg/150 lb	0 to 80 km/h* 0 to 49 mph*	95 to 100 km/h* 59 to 62 mph*	65 to 80 km/h* 40 to 49 mph*	55 to 70 km/h* 34 to 43 mph*	45 to 55 km/h* 27 to 34 mph*
Guy ropes AND 6 bags or a minimum of 72 kg/150 lb	0 to 80 km/h* 0 to 49 mph*	95 to 100 km/h* 59 to 62 mph*	80 to 100 km/h* 49 to 62 mph*	70 to 100 km/h* 43 to 62 mph*	55 to 100 km/h* 34 to 62 mph*

* Indicative values for flat ground and normal wind. In the event of strong wind or gusts, use guy ropes and/or reduce the height of the stand. Guy ropes are the only way to prevent the products from falling over in the event of strong winds or gusts. For increased safety, Airstar recommends a maximum stand height of 5 m/16 ft.

LED MODULES

- ⇒ It is important to replace any damaged LED modules.
- ⇒ LED modules must be replaced in the AIRSTAR network - please contact your AIRSTAR retailer.

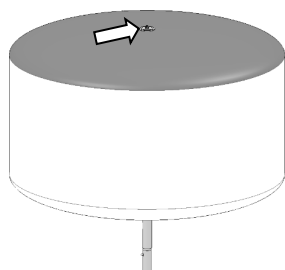
ENVELOPE

- ⇒ A damaged envelope must be immediately repaired or replaced.
- ⇒ Clean the envelope regularly with mild soap and water.

How to change an envelope

Removing the old envelope

- ⇒ Open the zip
- ⇒ Unscrew the nut on top of the envelope
- ⇒ Remove the envelope from the bottom up

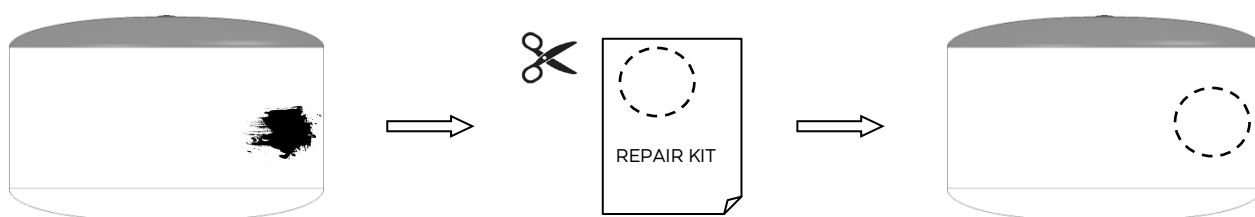


Install a new envelope

- ⇒ Place the new envelope over the top
- ⇒ Screw the nut on top of the envelope without tightening it.
- ⇒ Close the zip
- ⇒ Tighten the nut on top of the envelope

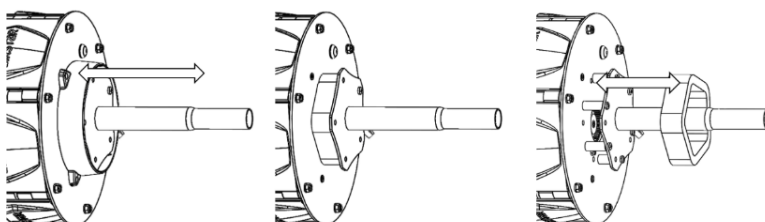
Sealing a hole

- ⇒ Take care to thoroughly clean the area that is to be repaired
- ⇒ Cut out a square or rectangle that is quite big, in order to cover the damaged part of the envelope with one or two sheets from the repair kit provided
- ⇒ Remove the protective film from the adhesive side of the piece of fabric.
- ⇒ Carefully place the piece onto the damaged part of the envelope, **on the inside and outside of the envelope.**
- ⇒ Apply a lot of pressure to the contact areas around the edge of the patch.



CLEANING THE AIR FILTER

- ⇒ At the base terminal, remove the rain protection and its 3 screws.
- ⇒ Remove the sponge-type air filter by sliding it along the stand.
- ⇒ Wash or replace the air filter.
- ⇒ Slide on the clean air filter.
- ⇒ Replace the rain protection and its 3 screws.



WARRANTY

At AIRSTAR, we are very proud of our quality control and the reliability of our range of Sirocco products. However, we also understand that problems occasionally arise which need to be covered by the warranty. For this reason, we offer the following cover:

- Your Sirocco envelope is covered for **manufacturing defects during the first 6 (six) months following the date of purchase.**
- The electronic and structural components of your Sirocco **are covered for manufacturing defects during the first 2 (two) years** following the date of purchase.
- In the event of a manufacturing defect or a potential warranty issue, contact your AIRSTAR authorised retailer to make a warranty claim.
 - Send your Sirocco unit (by land), together with a copy of your original receipt, to your AIRSTAR authorised retailer for a technical analysis.
 - The AIRSTAR technicians will decide whether your breakdown is covered by the warranty.
 - After your Sirocco is repaired, AIRSTAR will send it back to you, by land, at its own expense. (Express shipping is available for an additional charge).
- If the whole unit needs to be replaced, AIRSTAR must receive the original unit before shipping the replacement unit.

AIRSTAR cannot be held responsible for any misuse of the equipment by the user. Any use of the envelope or the electrical equipment other than that which is specified in this manual, or any use of unauthorised tools or components, is not covered by this warranty, and remains the sole responsibility of the user.

TECHNICAL CHARACTERISTICS

Non-contractual information provided for information purposes only, and which may be subject to change without notice.

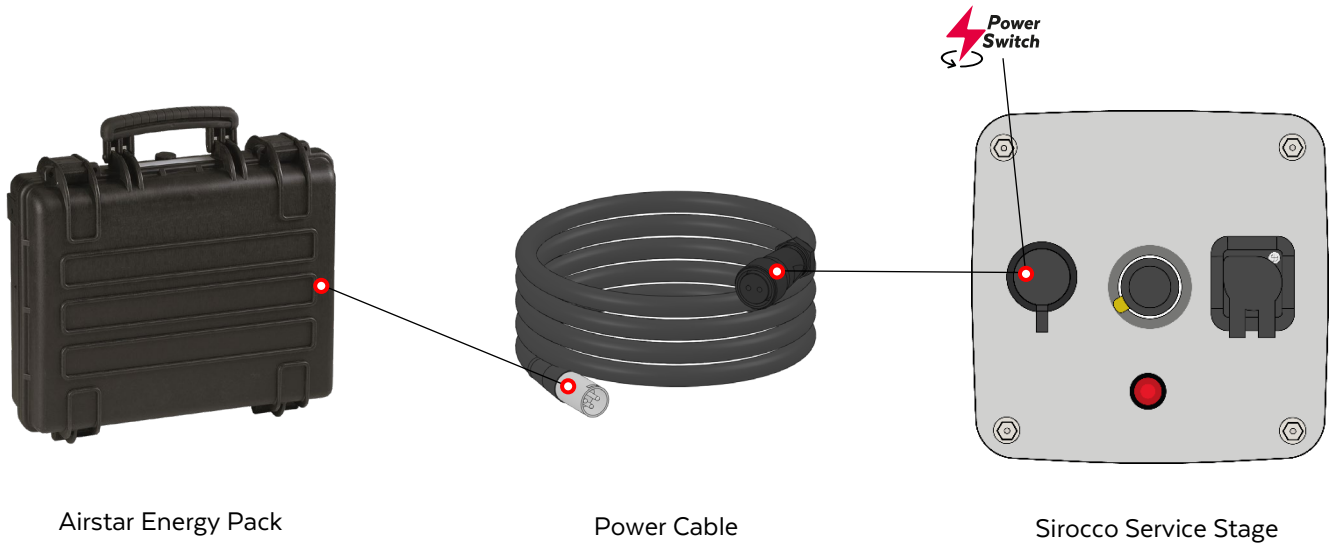
	Main parameters	Units	Sirocco 300	Sirocco 400	Sirocco 500	Sirocco 700	Sirocco 1000	Sirocco 1300
Power	Voltage range	V	100-240 VAC					
	Frequency range	Hz	50-60 Hz					
	Input fuse	-	No				Dual 16A	
	Power factor (Cos φ)	-	0.95	0.94			0.92	
	Overall performance	lm/W	138	132	150	132	141	143
	Overall energy consumption	W	160	250	294	500	700	920
Light	Luminous flux	lm	22,000	33,000	44,000	66,000	99,000	132,000
	Number of LED modules	-	4	6	8	12	18	24
	Power of LED module	W	35					
	Colour temperature	K	5,000					
	LED life span	hours	50,000					
Other	Envelope diameter	cm in	60 23	70 27	85 33	100 39	116 45	138 54
	Shape of the envelope	-	Cylinder					
	Weight of the product	kg lb	2.8 5.9	5.6 12.3	3.8 8.4	6.5 14	8.6 18	9.4 20
	Operational temperature range	°C - °F	From -20 to +40 From -4 to +104					
	Storage temperature range	°C - °F	From -30 to +60 / From -22 to +140					
	Generator power	kVA	1				1.5	2
	Battery voltage (if PowerSwitch)	V	52	-	52	-	-	-

⚡ POWERSWITCH OPTION

*THIS OPTION IS ONLY AVAILABLE
FOR THE SIROCCO 300 AND 500*

The PowerSwitch option lets you connect your Sirocco 300 or 500 to an external battery.

USING THE POWERSWITCH OPTION



- Connect the 2-pin DC connector to the PowerSwitch socket at the bottom of the service stage.
- Connect the 3-pin XLR connector to the Airstar Energy Pack.

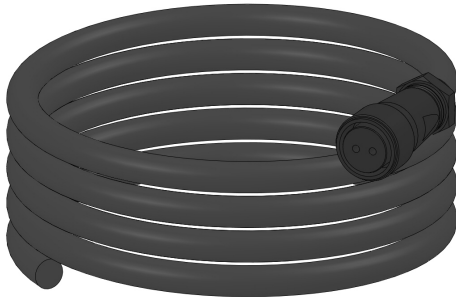
PRECAUTIONS FOR USE

1. Airstar strongly recommends using the Energy Pack 2 or 4 batteries available in the catalog.

IF YOU WISH TO USE A BATTERY OTHER THAN THE AIRSTAR ENERGY PACK

Airstar can supply a cable without an XLR connector to connect your battery.

Caution: In this case, the purchaser is solely responsible for plug assembly, and Airstar cannot be held responsible for incorrect connections made by the purchaser. Use of a cable without an XLR connector automatically voids the warranty on the PowerSwitch electronic board, part no. A-01418.



PRECAUTIONS FOR USE

1. Reversing the polarity on the Airstar battery input connector will cause irreparable damage to the product.
2. Airstar strongly recommends the use of an NMC-type Li-ion battery.
3. Your system's IP rating (battery + balloon) will be equal to the lowest IP rating of the weakest component.
Airstar recommends that the battery casing's IP rating be at least IP54.

TECHNICAL SPECIFICATIONS FOR YOUR BATTERIES

Absolute maximum nominal values	Units	Value	Comment
Voltage (Vmax)	V	59.5	Vmax: absolute maximum voltage on the battery input connector of the Airstar product. Applying higher voltages will cause irreparable damage to the product. Please note that a fully charged battery has a voltage much higher than the nominal voltage. For example, a 52V NMC technology battery has a voltage of 58.5V at full charge.

RECOMMENDED BATTERY SPECIFICATIONS

Main characteristics	Units	Value
Nominal voltage	V	52
Nominal discharge current (Id)	A	> 10.5
Operating temperature	°C	-20/+40
	°F	-4/+104



aIRSTaR

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