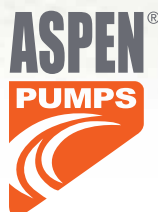
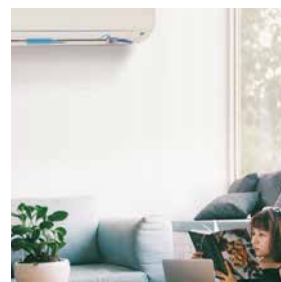


Aspen® condensate pumps for mini-split systems



Quiet operation
Quick & easy installation and maintenance
Versatile pump positioning

ASPEN® is a registered trademark of Aspen Oldco Limited Company UK



CONDENSATE PUMPS

Condensate pumps designed

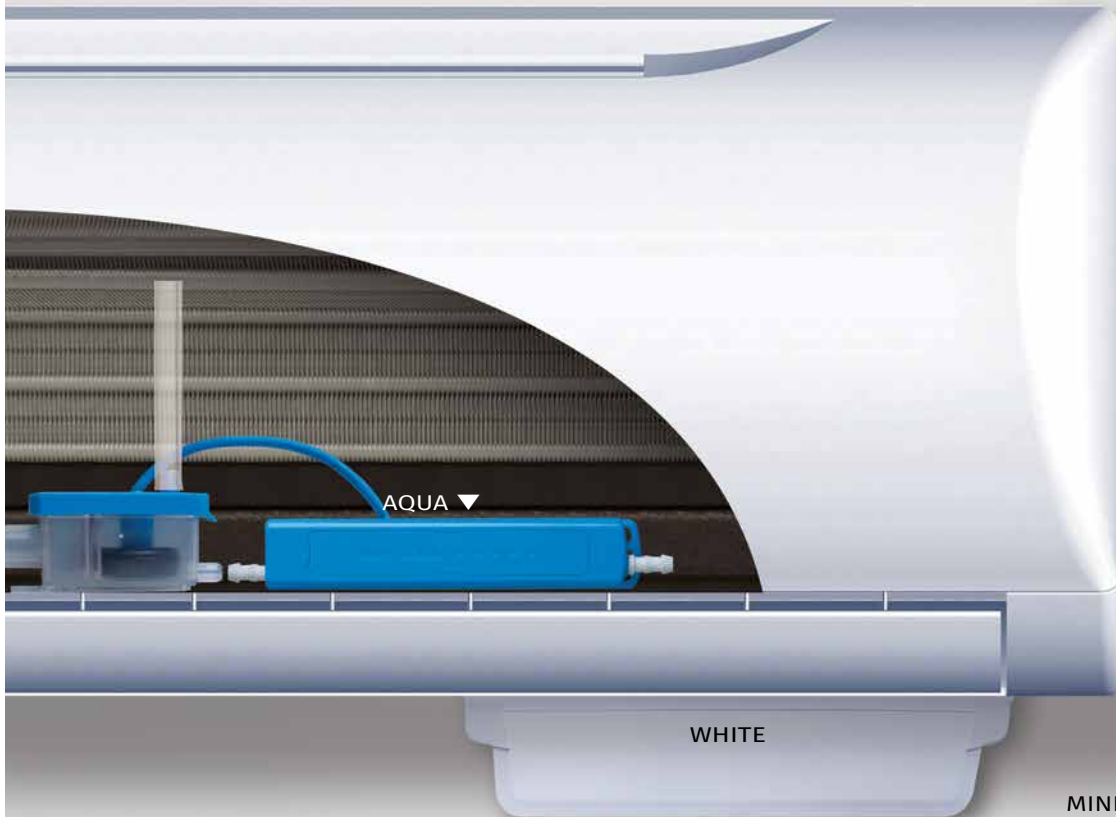
Commercial

Residential

- 5 Mini-split pump styles.
- Versatile pump positioning.
- Quiet operation.



ORANGE SERIES ▲



AQUA ▼

WHITE



LIME SERIES ▲

MINI TANK
4 installation options
▼



The easiest way to find the right pump for any brand of mini-split ...
Action videos and full details @ rectorseal.com/aspen-mini



for mini-split systems.



SELECTING THE CORRECT ASPEN MINI-PUMP

Five pump models

- Aqua • Orange • Lime
- White • Mini Tank

Four considerations

- **Appearance** - A concealed (Aqua) or remote condensate pump (Orange, mini tank) will preserve the attractive nature of any mini-split installation. Surface mounted pumps (Lime or White) are neatly covered. All pumps are hidden from view and provide a clean finished appearance.
- **Quiet Operation** - For best practice, choose a remote pump (Orange) installation for the quietest operation in noise sensitive areas. Silent + models are also available. They run quieter and are designated by SP suffix.
- **Ease of Installation** - Aspen pump models can accommodate any installation. See the guide and chart for options.
- **Maintenance** - Pump models with filters must be cleaned regularly. Choose a surface type pump (Lime or White) for easy filter access.

Two mini-pump types:

- **Split** - (Orange or Aqua series) are designed with separate pump and reservoir. The pump includes an electronic PCB and the pump motor. The reservoir contains the filter and the switching mechanism to activate the pump, and must always be kept level and clean for proper operation of the float switch. The filter must be cleaned regularly. The 2 elements are connected together with a length of 1/4" ID vinyl tube and a communication cable, both of which are usually around 6 feet long.
- **Monobloc** - (Lime, White series, mini tank) are designed with both the pump and reservoir as one integral unit, sharing a common body. No connecting tubes or wires are needed. Most mini pumps are cooled and lubricated by the water flowing through them. They require a float switch to detect the presence of water in the drain pan and activate the pump only when water is present, while the new Mini White Silent+ uses an adaptive capacitance sensor that differs from a capacitance sensor, since the Silent+ has variable speeds and no dip switch settings for speeds.

Aspen Pumps features:

- Quick and easy to install
- Mini Pumps fit mini-splits up to 54,000 BTU/hr; and Maxi Pumps fit Mini-Splits up to 157,000 BTU/hr
- Self priming
- Hall effect sensors operate on water rise; Mini White Silent+ utilizes an adaptive capacitance sensor
- Dry contact for overflow protection
- Cleanable filters
- Quiet - 19dB(A) to 47dB(A)
- Thermally protected
- Maximum water temperature 104°F
- Discharge hose 1/4" ID
- Kits include all components required
- 1 amp fuse included (must be installed to validate the warranty)

NOTE: Sound level and pump performance varies with voltage and frequency.





MINI-SPLIT PUMP KITS

White Series

Mounts directly below evaporator, quick installation



Code	Universal Voltage	Power Supply	Power Consumption	Ctn. Wt.	Qty
83939	(ASP-MW-UNI)	100-250 VAC	.17A 16W	2lbs	1

FEATURES

- Surface mounts below evaporator, at either end
- Crisp white color and slim profile complement any evaporator
- Resilient mounting minimizes vibration & noise
- Accepts standard 5/8" drain hose from any mini-split
- Fully potted electronics*
- No need to disturb evaporator to clean filter, reservoir clips out from front for easy removal and replacement
- Includes anti-siphon device

Specifications:

Duty Cycle:

Non-Continuous

Capacity:

Up to 54,000 BTU/hr; 2.9 GPH @ zero head; 1.2 GPH @ 33ft head

Maximum head: 39 ft

Maximum Water Temp: 104° F

Suction Lift: NA

Sound level:

21 dB(A)

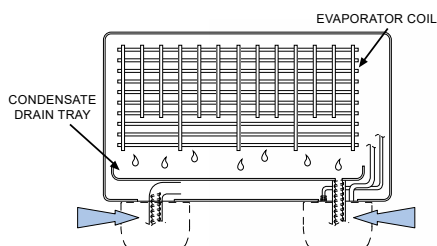
3A N/C dry contacts rated @ 5A inductive @ 230V AC

Pump Dimensions:

L-7 1/8" x H-4 1/2" x W-2"

Class II Appliance

TYPICAL PUMP LOCATIONS



Aspen pre-filter available – see page 11

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.

NEW



FEATURES

- Specifications:**

Continuous

Up to 54,000 BTU/hr; 12 GPH @ zero head;
6 GPH @ 33ft head

Maximum Water Temp: 104° F

Sound level:

19 dB(A) @ 3 ft

5A volt-free high level safety wires, N.C /
N.O. contacts rated
@ 5A inductive @ 230V AC

Pump Dimensions:

L-11.5" x H-1.3" x W-1.9"

Class II Appliance

EVAPORATOR COIL

CONDENSATE DRAIN TRAP



*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.



MINI-SPLIT PUMP KITS

Aqua Series

Ultra-slim profile, fits inside evaporator or lineset cover



Code	Universal Voltage Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83809	(ASP-MA-UNI)	100-250 VAC	.2A 16W	2lbs	1
Code	Silent Plus Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83812	(ASP-MA-230-SP)	230 VAC	.1A 16W	2lbs	1

FEATURES

- Ultra-slim profile
- Installs within evaporator or inside lineset cover
- Self Priming
- Integral hanging loop and separate reservoir facilitates attachment in vertical applications
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Modular terminals for fast connection
- Inline fuse
- Fully potted electronics*
- Includes anti-siphon device

Specifications:

Duty Cycle:

50% duty cycle
5 mins on / 5 mins off

Capacity:

Up to 49,500 BTU/hr. @ 230v
Up to 54,600 BTU/hr. @ 115v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head

Maximum head: 33ft

Suction lift: 5ft

Sound level:

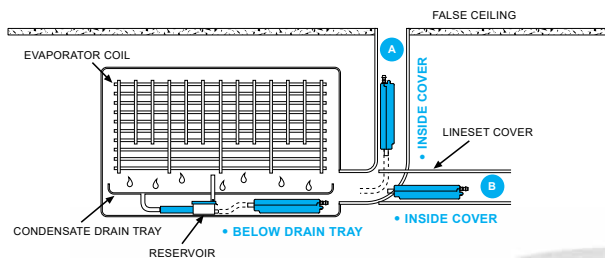
Univolt – 21dB(A)
Silent Plus – 19dB(A)

Pump Dimensions:

L-6¹/₂" x H-1¹/₈" x W-1¹/₈"

Class II Appliance

TYPICAL PUMP LOCATIONS



silent+

Aspen pre-filter available – see page 11

*Potting is the process of epoxy filling a complete assembly for resistance to shock, vibration, moisture, chemical and promotes sound dampening.

Orange Series



Installation flexibility, proven reliability

		Power Supply	Power Consumption	Ctn. Wt.	Qty
Code	Universal Voltage Mini Kits				
83909	(ASP-MO-UNI)	100-250 VAC	.17A 16W	2lbs	1
	Silent Plus Mini Kits				
83912	(ASP-MO-230-SP)	230 VAC	.11A 16W	2lbs	1
	Maxi Kits				
83919	(ASP-MAXO-UNI)	100-250 VAC	.18A 21W	2lbs	1
	15' Extension Cable For Mini Kits				
83891	(ASP-MOEXT)				1

FEATURES

- Self Priming
- Pump installs remotely above ceiling
- Pan mount and inline style reservoir included
- Modular terminals for fast connection
- Gravity Inlet
- Fully potted electronics*
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Includes anti-siphon device

Specifications:

Duty Cycle:

Mini – non-continuous
Maxi – 50% 5 mins on / 5 mins off

Capacity:

Mini – Up to 54,600 BTU/hr. @ 115v
Up to 49,500 BTU/hr. @ 230v
3.2 GPH @ zero head,
1.6 GPH @ 33ft head

Maxi – Up to 157,000 BTU/hr.
8.9 GPH @ zero head,
1.5 GPH @ 49ft head

Maximum head:

Mini – 33ft Maxi – 49ft

Suction lift: 5ft

Sound level:

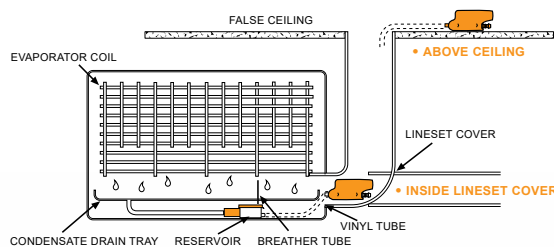
Mini – 21dB(A) Maxi – 35dB(A)
Silent Plus – 19dB(A)

Pump Dimensions:

Mini: L-4¹/₄" x W-1¹/₂" x H-2"
Maxi: L-4⁷/₈" x W-1³/₄" x H-2⁵/₈"

Class II Appliance

TYPICAL PUMP LOCATIONS



silent+

Aspen pre-filter available – see page 11

Lime Series

Elbow design, completely reversible, duct included



Code	Universal Voltage Mini Kits	Power Supply	Power Consumption	Ctn. Wt.	Qty
83849	(ASP-ML-UNI) Slimline Ivory	100-250 VAC	.16A 16W	4lbs	1
83859	(ASP-MLF-UNI) Fortress White	100-250 VAC	.16A 16W	4lbs	1
Maxi Kits					
83831	(ASP-MAXLF-230) Fortress White	230 VAC	.10A 15W	4lbs	1
OEM Maxi Kits					
83835	(ASP-MAXOEM-230) No Duct	230 VAC	.10A 15W	2lbs	1
OEM Mini Kits					
83869	(ASP-MLOEM-UNI) No Duct	100-250 VAC	.16A 16W	2lbs	1

FEATURES

- Left or right install
- Easily accessed for filter cleaning
- Two lineset cover styles available – Slimduct or Fortress
- 3A NC dry contacts rated @ 5A inductive at 230V AC
- Fully potted electronics*
- Includes anti-siphon device

Pump Dimensions:

Mini: H-3¹/₈" x W-3³/₄" x D-1⁵/₈"

Maxi: H-3³/₈" x W-3³/₄" x D-1⁵/₈"

Lineset Casing Dimensions:

Mini/Maxi Elbow Casing:

H-5¹/₄" x W-5¹/₄" x D-2³/₄"

Mini/Maxi Duct Casing:

H-31" x W-5¹/₄" x D-2³/₄"

Specifications:

Duty Cycle:

Mini – non-continuous

Maxi – 66% 10 mins on / 5 mins off

Capacity:

Mini – Up to 54,600 BTU/hr.

2.9-3.2 GPH @ zero head,

1.3-1.5 GPH @ 33ft head

Maxi – Up to 157,000 BTU/hr.

9.0 GPH @ zero head,

2.9 GPH @ 49 head

Maximum head:

Mini – 33ft Maxi – 49ft

Sound level:

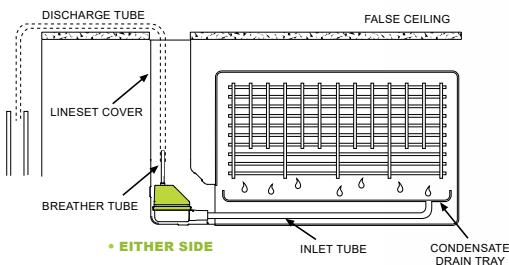
Mini – 25.5dB(A)

Maxi – 35dB(A)

Silent Plus – 21dB(A)

Class II Appliance

TYPICAL PUMP LOCATIONS

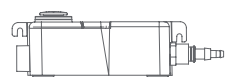


US Patent #6,817,194

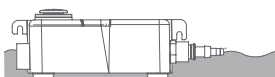
Mini Tank



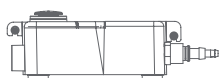
Mounting Options:



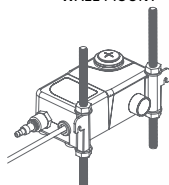
FLOOR MOUNT



IN DRAIN PAN



WALL MOUNT



SUSPENDED ROD MOUNT

Versatile and powerful multi-functional condensate pump

Code	Tank Pump Kit	Power Supply	Power Consumption	Ctn. Wt.	Qty
83941	FP 1056/2	230 VAC	.15-.28A 21W	1.5lbs	1

FEATURES

- Ideal for ducted units, floor standing and chassis units, ceiling cassette units
- High performance piston technology
- Includes anti-siphon device
- Great alternative to large and noisy traditional condensate pumps
- 4-installation options – can be wall mounted, floor mounted, in-pan or suspended on 1/4" or 3/8" rod
- Accepts standard 5/8" drain hose from any mini-split
- Extra large reservoir capacity minimize pump operation
- Components clip apart for easy access to reservoir and filter
- Fully potted electronics*
- No need to disturb evaporator to clean filter
- 3A N/C dry contacts rated @ 5A inductive @ 230V AC
- Thermal protection
- Includes anti-siphon device

Specifications:

Duty Cycle:
50% duty cycle
5 mins on / 5 mins off

Capacity:
Up to 157,000 BTU/hr.
8.0 GPH @ zero head,
1.6 GPH @ 49ft head

Maximum head: 49ft

Maximum Water Temp: 104° F

Sound level: 35dB(A)

Pump Dimensions:

L-8¹/₂" x H-2⁵/₈" x W-3¹/₂"



Pump Selector Guide

Electrical

	83809 (ASP-MA-UNI)	83812 (ASP-MA-230-SP)	83909 (ASP-MO-UNI)	83912 (ASP-MO-230-SP)	83919 (ASP-MAXO-UNI)	83849 (ASP-ML-UNI)	83859 (ASP-MLF-UNI)	83831 (ASP-MAXLF-230)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83930 (ASP-MWS-UNI)	83941 MINI TANK PUMP
230V Model	•	•	•	•	•	•	•	•	•	•	•	•	•
Univolt Model	•	•	•	•	•	•	•	•	•	•	•	•	•
Overflow Switch	•	•	•	•	•	•	•	•	•	•	•	•	•

Mounting

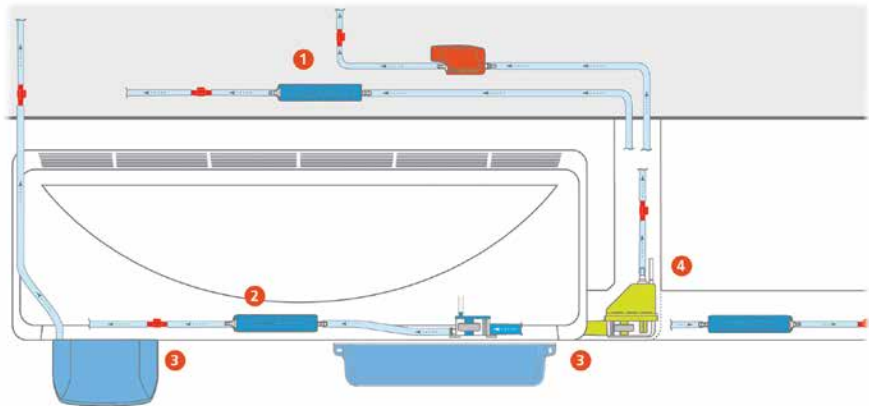
	83809 (ASP-MA-UNI)	83812 (ASP-MA-230-SP)	83909 (ASP-MO-UNI)	83912 (ASP-MO-230-SP)	83919 (ASP-MAXO-UNI)	83849 (ASP-ML-UNI)	83859 (ASP-MLF-UNI)	83831 (ASP-MAXLF-230)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83930 (ASP-MWS-UNI)	83941 MINI TANK PUMP
Surface Mount	•	•	•	•	•	•	•	•	•	•	•	•	•
Concealed in Evaporator	•	•	•	•	•	•	•	•	•	•	•	•	•
Concealed in Lineset Cover	•	•	•	•	•	•	•	•	•	•	•	•	•
Remote Pump Install (ideal for noise sensitive areas)	•	•	•	•	•	•	•	•	•	•	•	•	•
Easy Filter Access	•	•	•	•	•	•	•	•	•	•	•	•	•
Lineset Duct Kit included	•	•	•	•	•	•	•	•	•	•	•	•	•

General

	83809 (ASP-MA-UNI)	83812 (ASP-MA-230-SP)	83909 (ASP-MO-UNI)	83912 (ASP-MO-230-SP)	83919 (ASP-MAXO-UNI)	83849 (ASP-ML-UNI)	83859 (ASP-MLF-UNI)	83831 (ASP-MAXLF-230)	83835 (ASP-MAXOEM-230)	83869 (ASP-MLOEM-UNI)	83939 (ASP-MW-UNI)	83930 (ASP-MWS-UNI)	83941 MINI TANK PUMP
Inline Reservoir Included (5/8 inlet)	•	•	•	•	•	•	•	•	•	•	•	•	•
Drain Pan Mounted Reservoir Included (optional for ducted systems)	•	•	•	•	•	•	•	•	•	•	•	•	•
Integral Reservoir on Pump	•	•	•	•	•	•	•	•	•	•	•	•	•

For more detailed selection information, visit rectorseal.com/aspem-mini

Prior to installation, calculate condensate production of indoor evaporating coil to confirm suitability of condensate pump in application.



Type 1 Installation

For optimum quietness, the solution is a remote mounted pump. **AQUA, ORANGE, MINI TANK**

Type 2 3 Installation – rear entry lineset

Lineset enters the evaporator from directly behind.

WHITE – Pump assembly mounts on wall surface below the evaporator (easy filter access).

AQUA – Both pump and reservoir mount inside of evaporator, below the drain pan.

Type 4 Installation – exposed straight lineset

Lineset enters the evaporator from either side, extending horizontally to outside wall.

AQUA – Pump mounts outside the evaporator hidden inside horizontal lineset cover. Reservoir mounts inside of evaporator, below the drain pan.

Type 4 Installation – side entry lineset

Lineset enters the evaporator from either side, turns 90 degrees up into the ceiling and is completely concealed by lineset cover (included in kit).

LIME – Pump assembly mounts outside the evaporator, behind easy to remove elbow cover. Transparent reservoir clips off pump for easy filter access.

Scan this QR code for Aspen Mini Pumps Wiring Diagrams



Fittings and Cable

For mini-split installation



PIPE ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
83031 (DSH-14C) INSULATED	–	–	10	2 lbs.
Joins DSH-14 insulated drain hose to A/C drain pipe				



PIPE ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
83020 (DSH-14-16V) DSH-14 Hose to 3/4 PVC	3/4 in	–	10	2 lbs.
83024 (DSH-20-NV) DSH-20 Hose to 3/4 PVC	3/4 in	–	10	2 lbs.



PIPE TO PIPE RUBBER CONNECTOR / ADAPTER

Code	Size	Ctn Qty	Ctn Wt
83977 3/4" PVC to 5/8" (19mm - 16mm)	–	10	3 lbs.



CONDENSATE DRAIN ADAPTER

Code	ID	Length	Ctn Qty	Ctn Wt
89712 16mm rigid pipe to flexible drain hose	–	–	20	7 lbs.
89714 18mm rigid pipe to flexible drain hose	–	–	20	7 lbs.
89711 16mm rigid pipe to flexible drain hose	–	–	20	2 lbs.
89713 18mm rigid pipe to flexible drain hose	–	–	20	2 lbs.



WALL SLEEVE

Code	Size	Ctn Qty	Ctn Wt
83017 (NFP-75) WALL SLEEVE	3"x 5" – 7"	10	1 lb.



NON-ADHESIVE WRAP

Code	Size	Ctn Qty	Ctn Wt
83016 (HN-75-I) UV resistant non-adhesive wrap	3" x 70'	4	1 lb.



MINI PUMP PRE-FILTER

Code	Size	Ctn Qty	Ctn Wt
83893 5/8" Pre-filter for Aspen mini pumps	–	10	3 lbs.



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