

The Poldiac

The Poldiac is the first mechanical battery mod that incorporates our revolutionary DID Stealth Side Magnetic Button.

The Poldiac features the absolute best conductivity of any device on the market!!

The contacts in both the 510 connector and battery tube are adjustable, so your atomizers will sit flush with the top cap and your batteries will not rattle!

The outer diameter of the device is 22.6mm

The Poldiac comes default with Silver Plated Contacts and Delrin Plastics installed.

This product comes with one of the following tubes of your choice:

18650/18500 Kicked (Length: 105mm)

18500/18350 Kicked (Length: 90mm)

18350 (Length: 72mm)



The Poldiac is an all mechanical mod, which means that users will have to occasionally clean the device's contacts to ensure that it performs at maximum efficiency!

Please keep in mind this device is for experienced users only!

Kick not included.

Top cap is for all genesis devices and other devices that are not bottom air fed.

Poldiac User Manual

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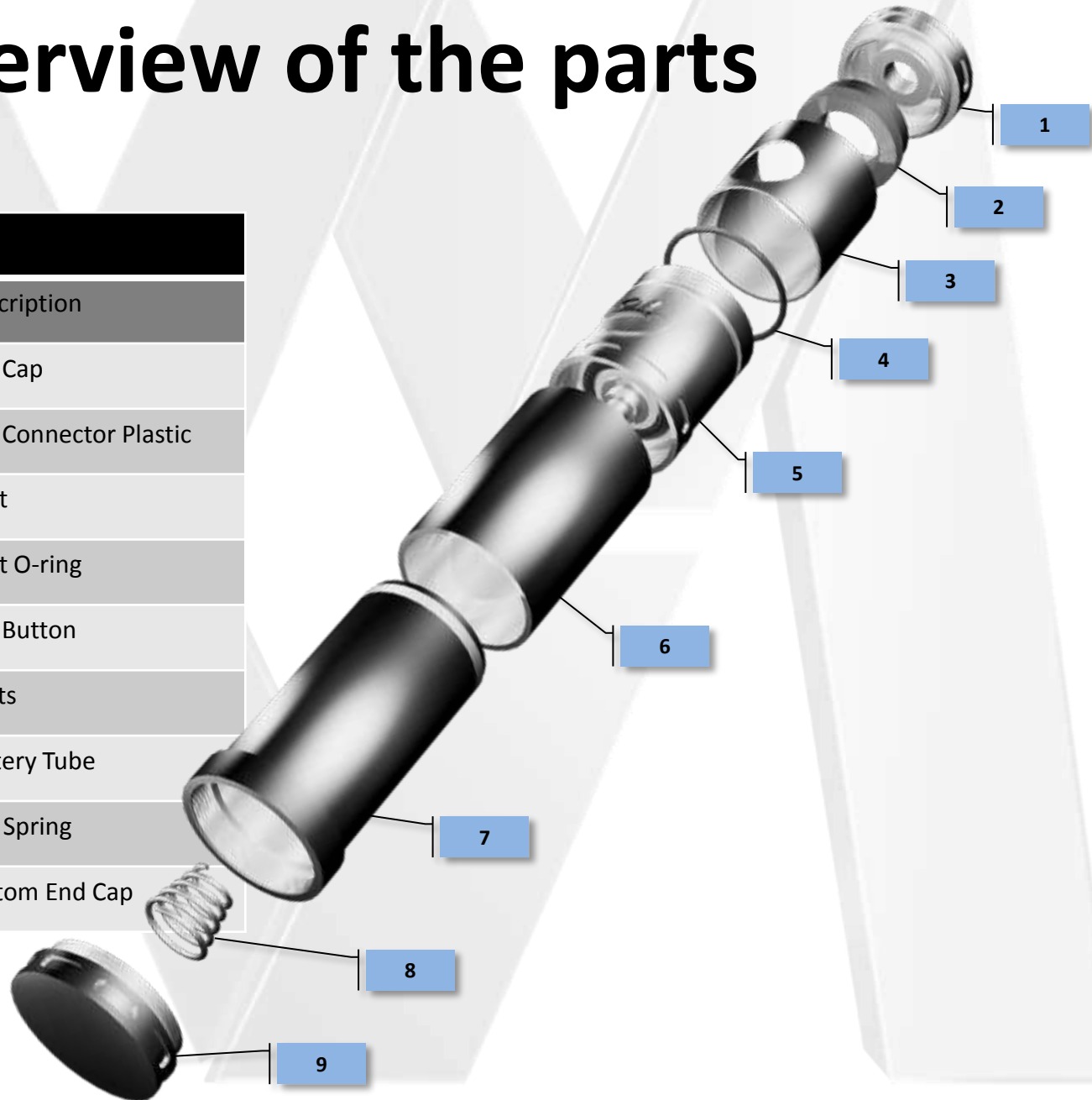
[Maintenance](#)



Overview of the parts

Parts needed for assembly:

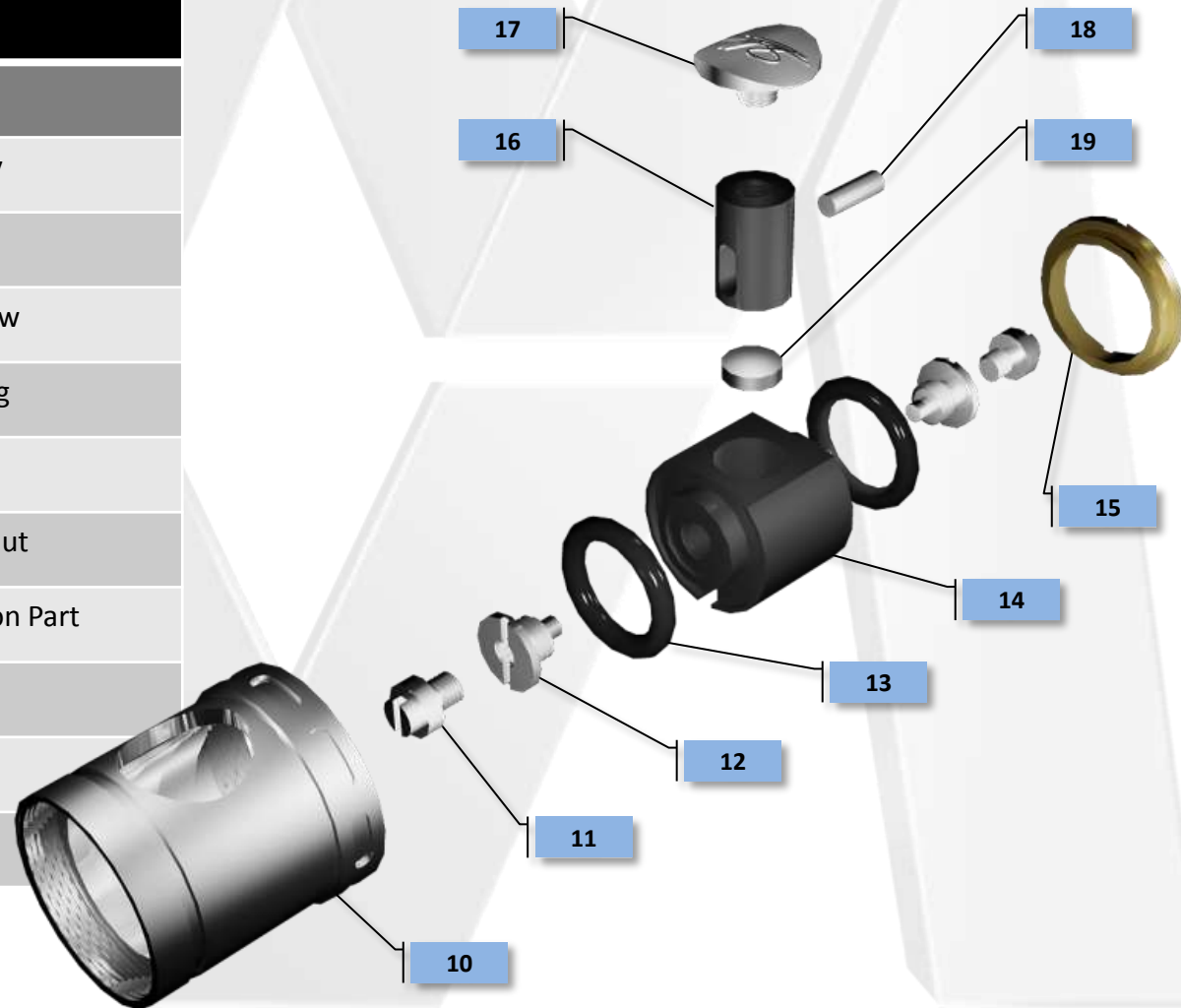
Item No.	Quantity	Description
1	1	Top Cap
2	1	Top Connector Plastic
3	1	Shirt
4	1	Shirt O-ring
5	1	Full Button
6	1	Pants
7	1	Battery Tube
8	1	Hot Spring
9	1	Bottom End Cap



Overview of the Full Button

Parts needed for assembly:

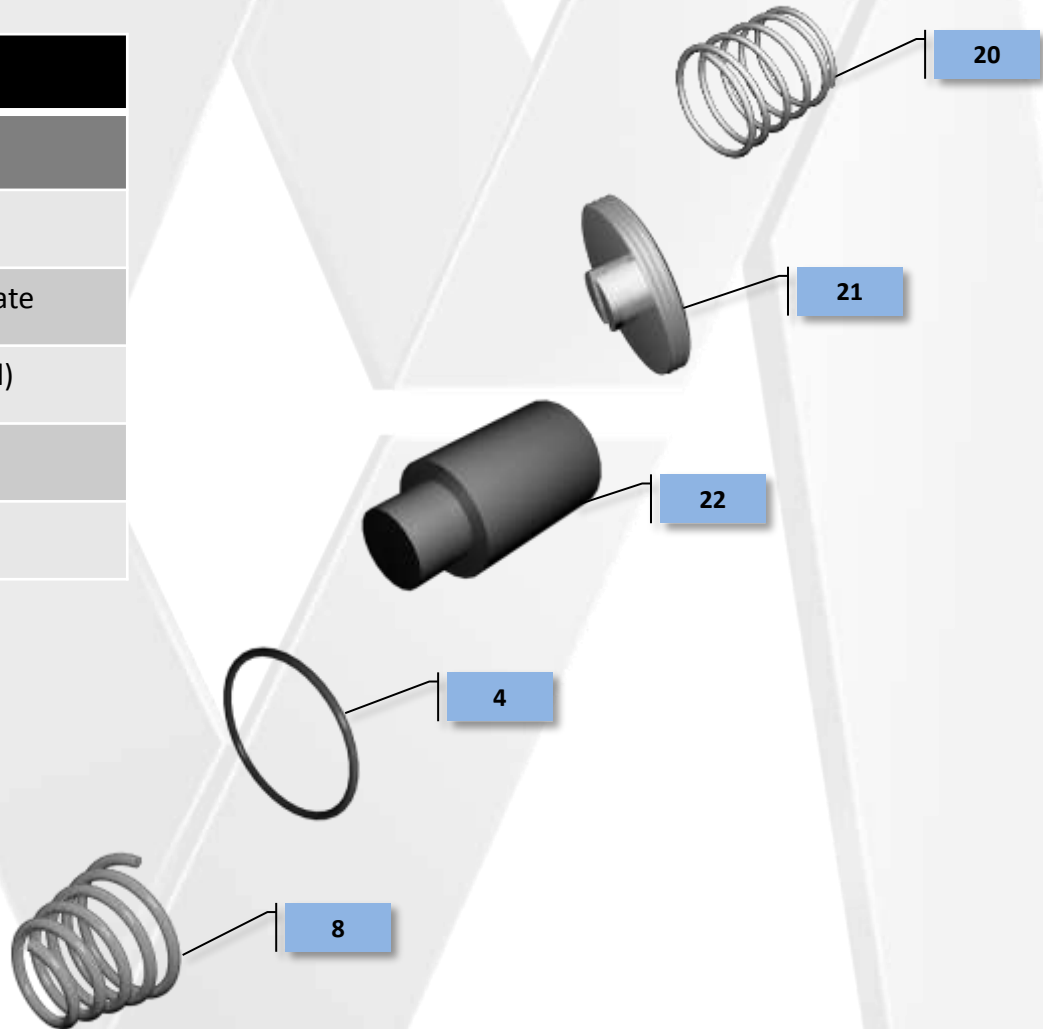
Item No.	Quantity	Description
10	1	Button Body
11	2	Pole Screw
12	2	Double Screw
13	2	Safety O-ring
14	1	Plastic Base
15	1	Brass Ring Nut
16	1	Plastic Button Part
17	1	Pushbutton
18	1	Contact Rod
19	2	Magnet



Overview of the Extra Parts

Extra Parts (supplied with Poldiac)

Item No.	Quantity	Description
20	1	Button Spring
21	1	Negative Pole Plate
22	1	Plastic Stop (Tool)
4	1	Shirt-O-ring
8	1	Hot Spring



The Top end cap is available in Polished SS, Satin SS or Brass

Features:

- 510 threading for the use of 510 atomizers.
- Threading on the inside for assembly of the [Top connector plastic](#).

The top cap attaches to either the [Full button](#) or to the [Battery tube](#) depending on the button's position.

We assemble the Top connector plastic into the Top end cap when we want to use the button of the Poldiac at the [bottom of the Poldiac](#).

The top cap is not vented so it cannot be used with bottom air fed atomizers.



The Top connector plastic is available in [Delrin](#) or [Peek Ketron](#)

Features:

- Threading on the outside for assembly into the [Top end cap](#).
- Threads on the inside to facilitate the [Negative pole plate](#).
- Grooves on top to facilitate the use of a screwdriver.

The top connector plastic is used together with the Negative pole plate in the Top end cap when we want to use our Poldiac with the button at the [bottom of the Poldiac](#).



The shirt is available in Polished SS, Satin SS or Brass and comes in 2 different styles; Classic or Slotted

Features:

- The MMV logo on the back.

The Shirt slides over the [Full button](#).

The Shirt is used to lock the button and serves an aesthetic purpose in the look of the Poldiac.



4: Shirt O-ring

The shirt O-ring is 18 x 1 mm

The Shirt O-ring sits in the pre-made groove on the [Full button](#).
The Shirt O-ring is used to keep the [Shirt](#) stay in position.

You get one Shirt O-ring already installed in your Poldiac and one Spare in the “[extra's bag](#)” that comes standard with your Poldiac.



The Pants are available in Polished SS, Satin SS, or Brass and in all 3 battery sizes (18xxx)

The Pants slide over the [Battery tube](#).
The Pants serve an aesthetic purpose for the look of the Poldiac.



The battery tube is available in Polished SS, Satin SS or Brass and in all 3 battery sizes (18xxx)

Features:

- Threading on the bottom inside to facilitate the [Bottom end cap](#).
- Threading on the top outside to facilitate the [Full button](#).

The Battery tube is used to house the battery.
The Battery tube holds the [Pants](#) in place.



The Hot Spring is available in Brass, Silver plated Brass and Rhodium over Silver plated Brass

Features:

- Collapsible in case of a short.

The Hot Spring attaches to the [Bottom end cap](#).

The battery is inserted into the Poldiac in such a way that the negative end of the battery connects with this spring.

You get one Hot Spring already installed in your Poldiac and one spare in the "[extra's bag](#)" that comes standard with your Poldiac.

In case of a collapse, the spring will have to be replaced.



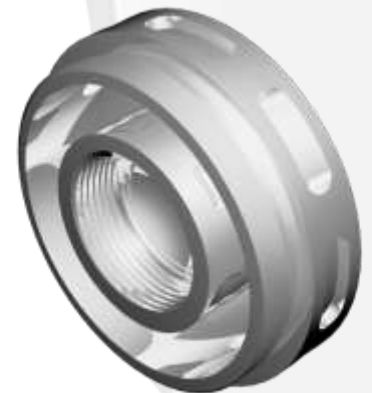
The Bottom end cap is available in Polished SS, Satin SS or Brass

Features:

- Threading on the topside for assembly.
- Engraving on the bottom including the serial number.
- Vent holes on the side.

The Bottom end cap attaches to either the [Battery tube](#) or to the [Full button](#) when we want the button to be at the bottom of our Poldiac.

The Bottom end cap is vented for safety reasons.

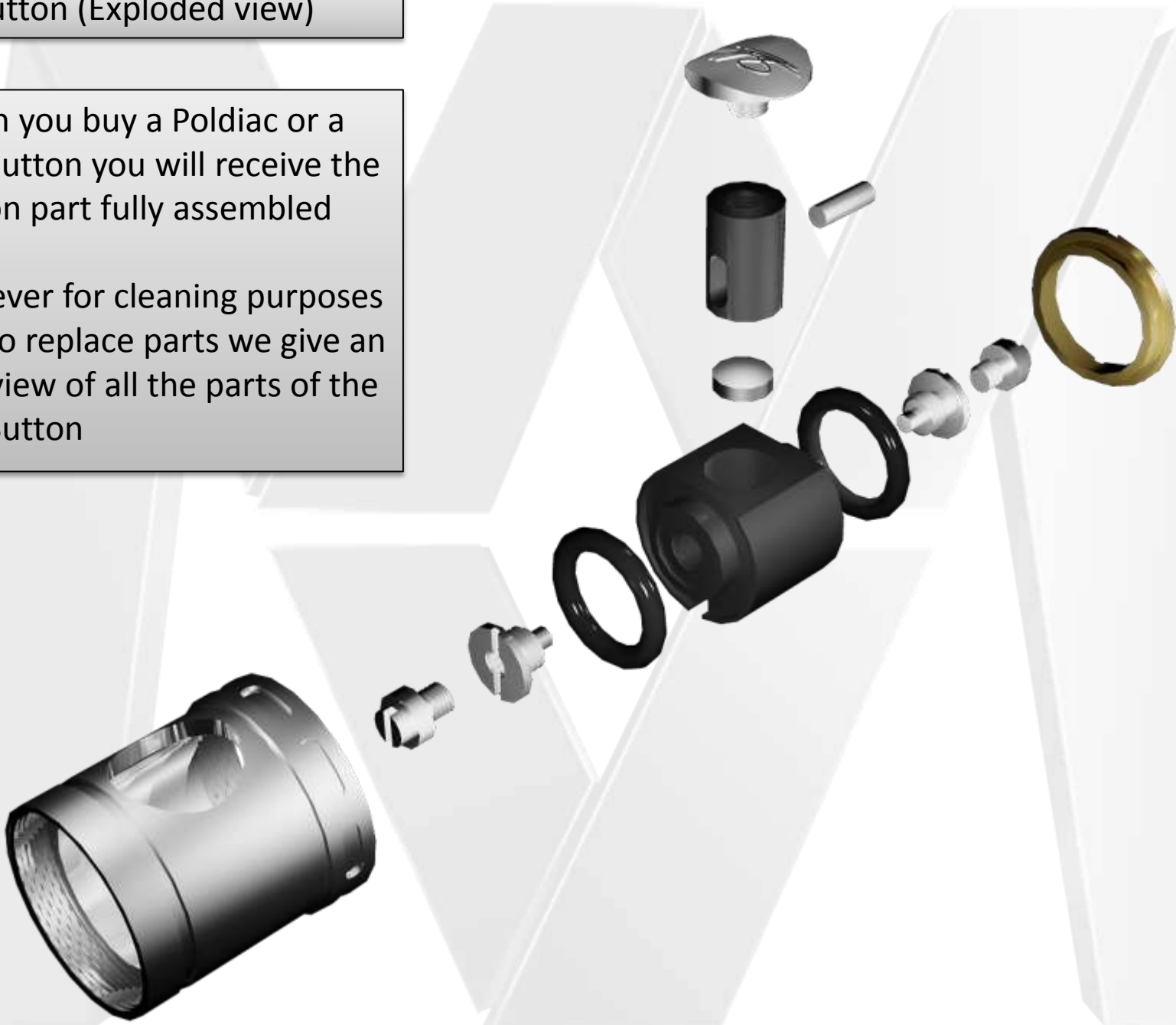


5: Full Button (Exploded view)

When you buy a Poldiac or a Full button you will receive the button part fully assembled

However for cleaning purposes and to replace parts we give an overview of all the parts of the Full Button

However for cleaning purposes and to replace parts we give an overview of all the parts of the Full Button



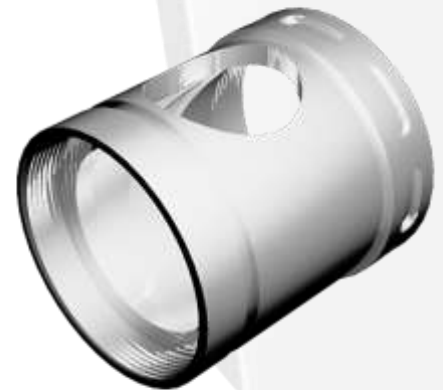
The button body is available in Polished SS, Satin SS or Brass

Features:

- Threading on both ends for assembly.
- A groove for the [Shirt O-ring](#).

The button body can be placed either on the top or the bottom of the Poldiac for a [top button configuration](#) or a [bottom button configuration](#).

When you buy a Poldiac or a Full button The button part will come fully assembled. However for cleaning purposes and to replace parts you will need to disassemble it.



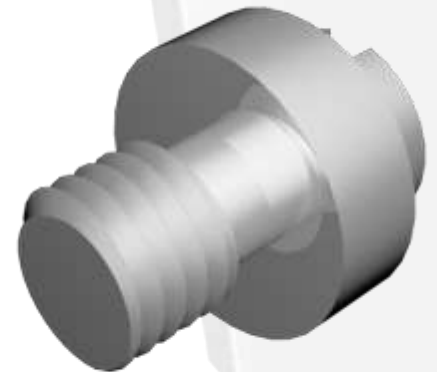
The Pole Screw is available in Brass, Silver plated Brass and Rhodium over Silver plated Brass

Features:

- Reverse threading.
- A groove on the top to facilitate the use of a screwdriver.

The Pole Screws are used to adjust the connection to the atomizer and to the battery.

The Pole screw attaches to the [Double Screw](#).

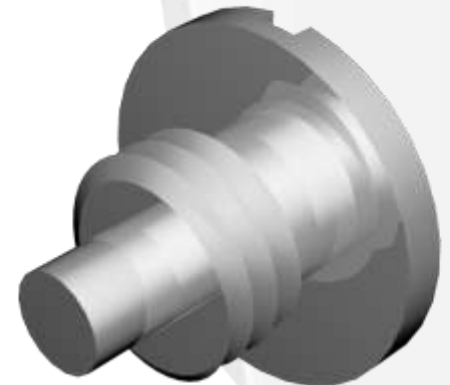


The Double Screw is available in Brass, Silver plated Brass and Rhodium over Silver plated Brass

Features:

- Inside threading to facilitate the [Pole Screw](#).
- A groove on the top to facilitate the use of a screwdriver.

The Double screws attach to the [Plastic Base](#) and are the contact points for the [Contact Rod](#).



The Safety O-ring is 10 x 2.5 mm

The Safety O-rings are used to keep liquid from running into the button configuration and to re-direct gasses from the battery to the bottom of the unit, where the vent-holes are, in case of a battery failure.

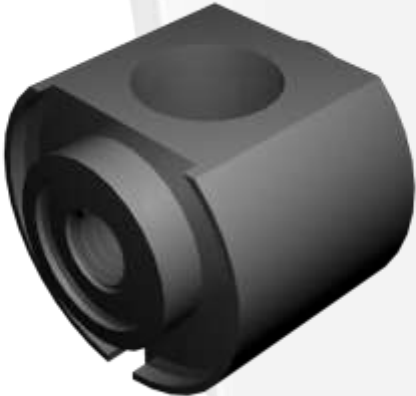


The Plastic Base is available in Delrin or Peek Ketron

Features:

- Threads for the [Double Screws](#).
- Grooves for the [Safety O-rings](#).

The Plastic Base inserts into the [Button Body](#) and holds the button part in place together with the Double Screws.



Brass Ring Nut

Features:

- Threading on the outside for assembly into the [Full button](#).
- Grooves on top to facilitate the use of a screwdriver.

The Brass ring nut is use to hold the [Plastic base](#) in place:

With the [Plastic stop \(tool\)](#), inserted into the button-hole of our Full button with the Plastic base assembled inside, we can tighten this ring to keep the Plastic base in place.



The Plastic Button Part is available in Delrin or Peek Ketron

Features:

- Inside threads to facilitate the [Pushbutton](#).

The Plastic Button Part attaches to the Pushbutton and holds the [Contact Rod](#).



The Pushbutton is available in Polished SS and Brass

Features:

- Jim’s signature.

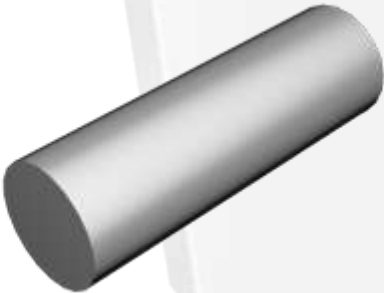
The Pushbutton can be hidden by turning the shirt over it and thus effectively preventing the button from firing.

When you receive the Poldiac or the [Full Button](#), this part will be glued into the treads of the [Plastic Button Part](#) to prevent it from turning.



The Contact Rod is available in Brass, Silver plated Brass and Rhodium over Silver plated Brass

The Contact Rod is the center contact in the button that makes contact with the ends of the [Double Screws](#) to complete the electrical circuit.

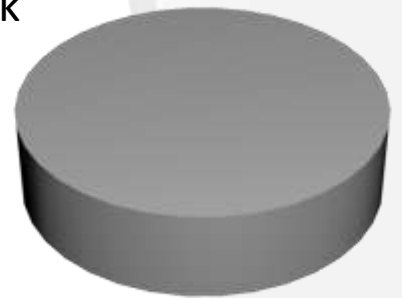


The magnets operate the button functionality by repelling each other.

The Poldiac and the Full Button come with the 2 magnets already installed.

One of the magnets is glued to the end of the [Plastic Button Part](#), the other Magnet is loose in the [Plastic Base](#). To make sure during assembly of the [Full Button](#) that the magnets repel each other, insert the loose magnet into the Plastic Base and then hold the Plastic Button Part with the glued-on Magnet on the outside of the [Button Body](#) to have the magnet flip the right side up. Then insert the Plastic Button Part with the glued-on Magnet in the Button Body.

Because the temperatures in the Button Body can get very hot depending on the setup of the atomizer it can happen that the Magnet gets unglued from the Plastic Button Part. If this happens you can easily glue it back using some superglue.

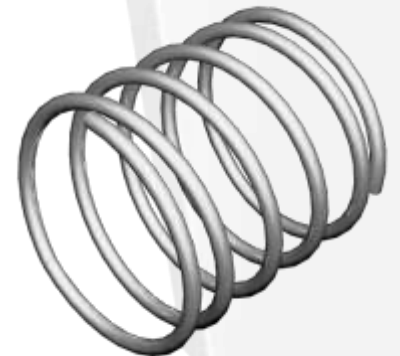


The Button Spring is made out of Stainless Steel

The button spring can be used instead of the [Magnets](#) to operate the button functionality.

We supply one of these springs standard in the “[extra's bag](#)” that comes with the Poldiac.

If anything happens to your Magnets, or if you prefer a spring, you can easily switch the Magnets with the spring.



The Negative pole Plate is available in Brass, Silver plated Brass and Rhodium over Silver plated Brass.

Features:

- Threading on the outside for assembly into the [Top Connector Plastic](#).
- A groove on the top to facilitate the use of a screwdriver.

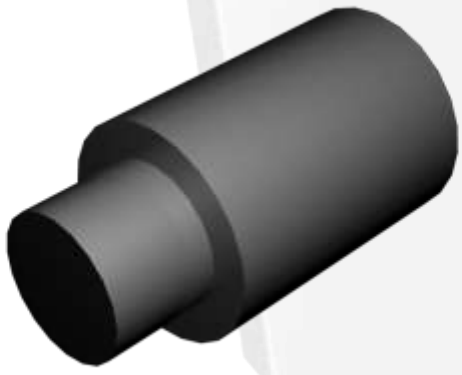
The Negative pole Plate is screwed into the Top Connector Plastic and is used to connect the [Hot Spring](#) when the button is configured to be at the bottom of the Poldiac.



The Plastic Stop (tool) is only available in Delrin

The Plastic Stop (tool) is used when we assemble the button to align the [Plastic Base](#) with the [Button Body](#) when we are tightening the [Brass Ring Nut](#).

We ship the Plastic Stop (tool) in the “[extras bag](#)” that comes default with the Poldiac.



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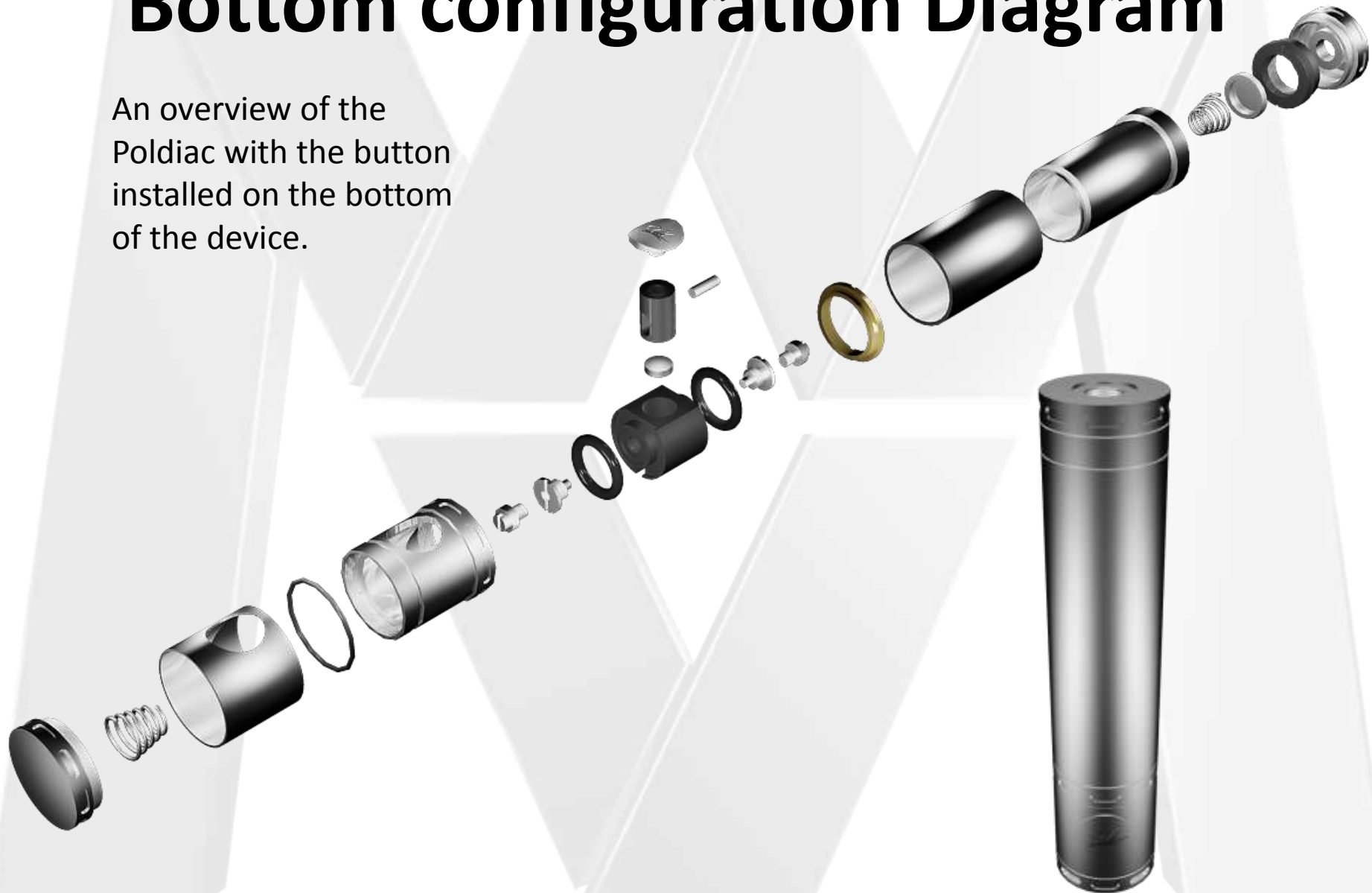
Top configuration Diagram

An overview of the Poldiac with the button installed on the top of the device.

This exploded view diagram illustrates the assembly of a Poldiac device. The main body is shown at the bottom right. Above it, various components are shown in their relative positions as they would be assembled. These include a top cap, a spring, a button mechanism, a central shaft, and several O-rings or seals. The background features large, stylized letters 'A' and 'V'.

Bottom configuration Diagram

An overview of the Poldiac with the button installed on the bottom of the device.



Contact Materials

Our contacts are available as spares in a set in 3 different materials:

Brass:

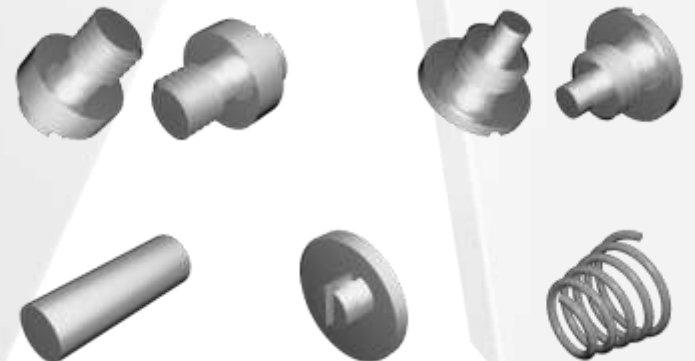
Good conductivity and only occasional maintenance needed

Silver Plated:

Very High conductivity and regular maintenance needed

Rhodium over Silver Plated Brass:

High conductivity and almost no maintenance needed.



Plastic Materials

Our plastic parts are available as spares in a set in 2 different materials:

Delrin:

- High abrasion resistance
- High heat resistance (melting point of 175 °C)

We recommend Delrin for use with 1.5 ohm atomizer builds and up

Peek Ketron:

- Very high abrasion resistance
- Very high heat resistance; maximum allowable service temperature in air (250 °C continuously, up to 310 °C for short periods of time)

We recommend Peek Ketron for use with sub ohm atomizer builds



Maintenance

The Poldiac is an all mechanical mod, which means that users will have to occasionally clean the device's contacts in order to ensure that it performs at maximum efficiency!

Besides the contacts it is also important to keep all the threads on the battery unit clean as they are also part of the complete electrical circuit.

Cleaning the contacts can easily be done with a bit of baking soda, either rubbing the baking soda and contacts in your hands or putting baking soda and hot water plus the contacts in a bowl and let them sit for a while. If needed use a fine brush like a toothbrush to clean the threads.

Cleaning the threads can be done by using just a cloth or using special cleaning materials for either Stainless Steel or Brass depending on the material of your Poldiac.

Or as Hlias says:

"Love your MMV mod, sleep with it go on vacation with it, eat with it and many more things! You have to love it more than your spouse, they might dump you, the Poldiac.....never!!!"