

Material Catalogue

aponix vertical barrel



Version 2019-08



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<https://www.aponix.eu>

Please visit our website (<https://www.aponix.eu>) in order to understand the possible setups and the logic of the aponix vertical barrel system. This is a basic overview to show the major parts, their purpose and their article numbers.

Bases

<p>Closed Base</p>  A white, circular, shallow plastic base with a slightly raised rim and a central circular indentation.	<p>Use: Reservoir for standalone setup. Base for substrate-based or filter setup.</p> <p>Dimensions: 640x640x240mm, 4.5kg</p> <p>Capacity: 45 liters</p>	<p>Article-No: mmp101511</p> <p>Material: PVC, 6mm, vacuum molded</p>
<p>Multi-Barrel Base</p>  A white, circular, shallow plastic base with a flared, ribbed rim and a central circular indentation.	<p>Use: On larger setups with multiple vertical barrels when liquid is managed in a central/external reservoir.</p> <p>It comes with a 3/4" outside thread fitting.</p> <p>Dimensions: 870x870x220mm, 4.5kg</p>	<p>Article-No: mmp101509</p> <p>Material: PVC, 6mm, vacuum molded</p>

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Top and Irrigation

Top Lid 	<p>Use: Cover the top. Can optionally hold sprinkler for pressure irrigation.</p> <p>Dimensions: 580x580x100mm, 1kg</p>	<p>Article-No: mmp101439</p> <p>Material: PVC, 4mm, vacuum molded</p>
Sprinkler 	<p>Use: It can be mounted on top of the top lid, and requires a pressure line ≥ 1.5bars, flow rate is 5l/min. Attaches to a 1/2" hose via spigot.</p>	<p>Article-No: apo- sprinkler</p>
Waterbuffer 	<p>Use: For low pressure irrigation this additional part is placed on top below the top lid. It can be filled from the top via hose or from inside a vertical barrel via submergible pump and an additional hole and fitting (3/4" outside thread underneath) in the center.</p> <p>Dimensions: 580x580x100mm, 800g</p>	<p>Article-no: mmp101484</p> <p>Material: PVC, 3mm, vacuum molded</p>



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<p>Pump for Standalone Setup</p>  A photograph showing a black Oase OptiMax 2000 pump next to its retail packaging. The packaging is pink and white with the Oase logo and product details in multiple languages. The pump is a compact, rectangular unit with various ports and a power cord.	<p>Use: Provides low pressure liquid to a waterbuffer from a closed base underneath.</p> <p>Model: OASE OptiMax 2000, max height 2.3m</p> <p>There is also the OptiMax1000 modell that can operate vertical barrels up to a height of 7 ringsegments.</p>	<p>Article-no: oase42657</p>
<p>Inside Connection Hose</p>  A close-up photograph of a yellow hose connected to a black valve assembly inside a white plastic barrel. The hose is secured with a metal clamp. A red 'X' is drawn over the image, indicating a specific connection point or warning.	<p>Use: Connect 3/4" hose to submergible pump and connect other end with fitting in waterbuffer. A valve is added for fine tuning.</p>	<p>Article-No: apo-hose-3-4</p>

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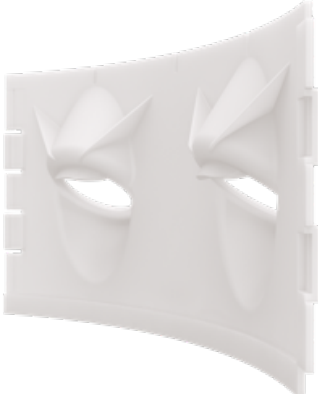


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Barrel Pieces

Used to build ring segments for vertical barrels and provide grow adapters. 6 pieces are required to assemble a full ring segment. All pieces can be interchanged to ,configure' the cultivation area / outside of a vertical barrel.

Two-Net-Pot Piece  A white, curved plastic piece with two circular openings, each containing a small, pointed protrusion. The piece has a slightly flared top edge and a series of small, rectangular tabs along the bottom edge.	Use: Soilless Dimensions: 300x160x80mm, 200g	Article-No: mmp200759 Material: ASA, injection molded
One-Net-Pot Piece  A white, curved plastic piece with a single circular opening in the center. The piece has a slightly flared top edge and a series of small, rectangular tabs along the bottom edge.	Use: Soilless Dimensions: 300x160x70mm, 180g	Article-No: mmp205083 Material: ASA, injection molded
Closed Piece  A white, curved plastic piece with a closed top edge and a series of small, rectangular tabs along the bottom edge.	Use: Soilless and substrate based. Dimensions: 300x160x50mm, 180g	Article-No: mmp200782 Material: ASA, injection molded



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<p>Shelf Piece</p>  A 3D rendering of a white, curved plastic shelf piece. It has a central rectangular opening and two side flaps that curve outwards and upwards. The piece is designed to fit into a vertical barrel.	<p>Use: Substrate based</p> <p>Dimensions: 300x160x130mm, 210g</p>	<p>Article-No: mmp200781</p> <p>Material: ASA, injection molded</p>
<p>Revision Piece</p>  A 3D rendering of a white, curved plastic revision piece. It is a smaller, curved segment with a circular hole in the center. It is designed to fit into a vertical barrel.	<p>Use: Soilless</p> <p>Dimensions: 300x160x50mm, 180g</p> <p>Lid diameter 120mm.</p>	<p>Article-No: apo- revision</p> <p>Material: ASA, injection molded, lid LDPE.</p>

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Bundles

Here are the standard bundles including the parts required to set them up. There are many other setups possible. Height and ring segment configuration can always be variable.

<p>Multibarrel (12 Ring Segments, 142 Grow Spaces)</p> 	<p>Use: Set up lines with vertical barrels with external reservoir.</p> <p>Irrigation: With pressure line from above of each barrel attached to sprinkler. Liquid drains on the bottom of each vertical barrel and needs to be redirected to an external reservoir by independent plumbing/piping. Overall planning required.</p> <p>Dimensions: Diameter 570mm, Base 870mm, height 2.2m</p>	<p>Material list:</p> <ul style="list-style-type: none">1 x Lid1x Sprinkler1 x Multi-Barrel Base1 x Revision Piece71 x Two-Net-Pot Piece <p>Alternatively the bottom ring segment with the revision piece and be closed using 5 closed pieces. This gives a cleaner look at the expense of 10 grow spaces.</p>
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Standalone Soilless (10 Ring Segments, 118 Grow Spaces)



Use: Run 1 or some individual vertical barrels all with their own reservoir in the base.

Dimensions: Diameter 570mm, Base 640mm, height 1.9m

Material list:

1 x Lid
1 x Waterbuffer
1 x Closed Base
1 x Revision Piece
59 x Two-Net-Pot Piece

In order to have it ready-to-run you will need:

1x Inside Connection Hose
1x Submergible Pump

2" Net Pots (optional)

For more details and examples please visit <https://www.aponix.eu>.

For orders please use your order form.

Thanks for promoting/using aponix vertical barrels!