



4" Multi-Tite Service Weight Gasket

Great Seal for any Plastic or Fiberglass Tank

*Can be used with Sch 40 or SDR 35 (5" Hole Saw

Needed to cut hole for 4" Sch 40 pipe; 4-3/4"

Hole Saw needed to cut hole for DWV 4" SDR 35

Pipe.) ~\$5



4" Multi-Tite Service Weight Gasket

SKU: V95004 Brand: Jones Stephens

Sourced:

https://www.supplyhouse.com/sh/control/product/~product_id=V95004



Walrus pump

We prefer the Walrus HQ800H 1hp. It has 1" inlet and outlet and plugs in to a standard outlet.

Sourced:

<https://rainewaterharvest.com/rainwater-collection-products-and-supplies/rainwater-collection-pumps/>

Cost: ~\$500



Brooklyn Pipe 20 Pack, 1 Inch threaded Floor Flanges

Used in conjunction with various length schedule 80 plastic pipe nipples by Dr Sunn as stand-off alignment of 1" PEX pipe for filtration system.



Flanges sourced:

https://smile.amazon.com/gp/product/B083GC72ZS/ref=ppx_yo_dt_b_asin_image_o00_s00?ie=UTF8&psc=1

Cost: ~\$30 for a 20-pack



Pipe nipples sourced: <https://www.supplyhouse.com/>

Cost: Varies



High Density Polyethylene

HDPE Pipe: A sturdy, weather-resistant, and flexible alternative to PVC. Ideal for outdoor piping—won't shift with soil, crack with heat, burst when frozen, or corrode over time! Thick-walled. Choose 1-1/4 " SDR 11 at 200 psi for systems that require pumps and 2 inch SDR at 200 psi for gravity flow systems.

PEX Pipe

PEX is a safe and healthy plastic that is your best bet for indoor piping in place of PVC piping. It's flexible, so you can install it more easily than PVC piping, and it resists corrosion as well. Unlike PVC, PEX does not have glue that will contaminate your water supply. PEX is also freeze-resistant.

Sourced: <https://rainewaterharvest.com/rainwater-collection-products-and-supplies/polyethylene-hdpe-pex-piping/>

Cost: Varies by connection fixture, pipe length, and diameter needed

Leaf Eater

The Leaf Eater Advanced is a compact mosquito-proof rain head for small spaces, awkward places and horizontal and vertical downpipes.

Sourced: <https://www.home-steader.com/leaf-eater-advanced>

Cost: ~\$35





Big Blue Housings and sediment filters

The stainless steel 10" Big Blue housing comes with a bracket and wrench set. The housing fits both 20 micron and 5 micron sediment filters (get the 5 micron if you want to treat water with UV). Carbon block filters remove bad taste from well or public water sources added to harvested rain. Because harvested rain has no taste, most Rain Bees use only sediment filters.

UV Purifying Units

If you are using rainwater for drinking, cooking, or brushing your teeth, or simply want the cleanest water possible, a UV unit is a must! You can depend on a UV unit to kill any microbes that passed through the filter into your water, making your rainwater potable, all-purpose and safe. UV units are only effective when the water is filtered to less than 10 microns prior to entry to the UV unit.

Sourced: <https://rainewaterharvest.com/rainwater-collection-products-and-supplies/filters-uv/>



Cost: The Big Blue housing complete is \$31.00 and features Stainless Steel threads. The 4.5"x 10" sediment filters 20- and 5-micron filters cost \$5.00 each. A carbon block filter is \$16.50. The cost of UV purifiers varies by manufacturer and flow rates.



Maelstrom Filter

The Maelstrom Filter's advanced design combines super-fine filtration to 180 micron and super-high water catchment efficiency to give you cleaner rainwater and more of it.

Sourced: <https://www.home-steader.com/maelstrom-filter>

Cost: ~\$300



Rusco/Vu-Flow 1" <varies> Mesh Spin Down Sediment Water Filter

Rusco Sediment Filters are the durable and dependable choice homeowners count on to keep the water they use free from damaging debris.

Sourced: <https://www.amazon.com/Rusco-Vu-Flow-Sediment-Filter-System/dp/B018HFRYXA>

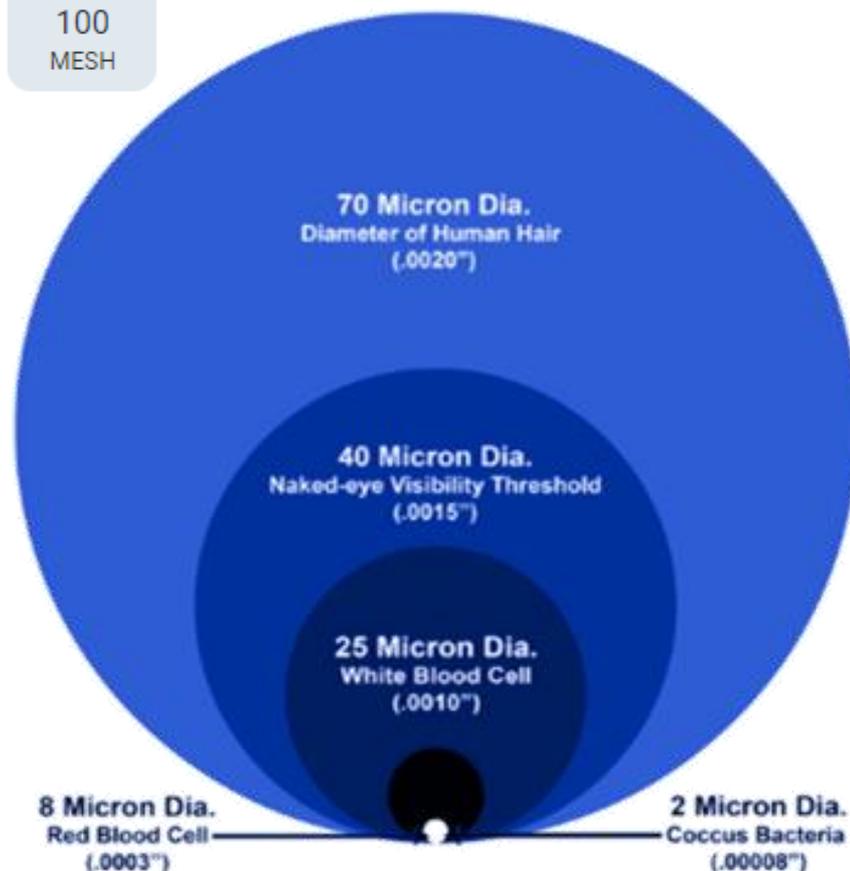
Cost: varies depending on the filter mesh ordered (100 mesh costs ~\$45)



Filter Sizes

Mesh vs. Micron

700 MICRONS 24 MESH	500 MICRONS 30 MESH	350 MICRONS 40 MESH	250 MICRONS 60 MESH	150 MICRONS 100 MESH
100 MICRONS 140 MESH	50 MICRONS 250 MESH	30 MICRONS 500 MESH	15 MICRONS 1000 MESH	



What Is A Micron Rating?

A micron is short for micrometer or one millionth of a meter. As a unit of measure, it describes the size of a particle. A micron rating describes the size of particles that the filter will allow to pass through. So a 150 micron rated filter will not allow anything larger than 150 microns to pass through.