

Hi-Performance Filtration Media

1 lb Media replaces 100 lbs of sand!

- ✓ Part #: PHBB
- ✓ H.S.Code: 8421.99
- ✓ Material: PET (Polyethylene Terephthalate)
- ✓ Certifications: NSF42, NSF61, NSF372
- ✓ Made In USA
- ✓ Sold in a Master Pak of 12, one pound bags of media
- ✓ Master pack 24"x24"x18" brown cardboard box
- ✓ Master Carton weight: 19 total pounds
- ✓ UPC Code: 747150633800



Cross section of standard Hayward sand filter with ProHayward Blü media

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Why PROHAYWARD Blü?

- 1. No Filter Modification needed:** PROHAYWARD Blü can be used in the sand filter system already in place. No more investment or adjustments needed. Simply replace the sand in the filter with the correct quantity of PROHAYWARD Blü.
- 2. Extremely Lightweight:** PROHAYWARD Blü is the lightest filter media available today. Sand is heavy especially when wet. No more struggling with heavy and dusty sand. Just one pound of PROHAYWARD Blü will do the job of 100 lbs of sand!
- 3. Long Lasting, Durable media:** PROHAYWARD Blü lasts longer than sand. Filter sand is made from quartz and silica which wear when exposed to flowing water. PROHAYWARD Blü are made from abrasion resistant plastic polymers that will not degrade in flowing water.
- 4. BIG Energy Savings:** Your pump will experience less strain because the PROHAYWARD Blü media provides very little resistance to water flow. For variable speed pumps, you can decrease your pump speed and still maintain the same circulation flow rate. For single speed pumps, you will clear your pool in half the time, saving you half the energy costs.
- 5. Environmentally friendly.** PROHAYWARD Blü is made of 100% recyclable material and can be disposed where plastic bottles are recycled.
- 6. Healthier for you.** This novel media avoids the health risks of injuring workers that transport heavy loads of sand.

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Filter Media Comparison

Product Specification	PROHAYWARD Blü	Filter Sand	Zeolite	Cartridge
Micron Rating (Nominal)	5-15 µm	35 µm	5-20 µm	10-20 µm
Initial Pressure Drop (Δp)	< 1 psid	7-15 psid	10-15 psid	3-7 psid
Weight/ft³ Dry	1 lb	100 lbs	50 lbs	1-3 lbs
Weight/ ft³ Wet	1.1 lb	150-175 lbs	80 lbs	1-4 lbs
Flux Rate/ft²	7-30 gpm	20 gpm	12-20 gpm	.375 -1 gpm
Hygroscopy	Hydrophobic	Hydrophillic	Hydrophillic	Hydrophillic
Depth vs Surface	Depth	Depth	Depth	Surface
Dirt Holding Void Space	60%	30-40%	40-50%	N/A
Energy Efficiency	95%	60%	60%	40%
Tendency for Clumping	No	Yes	Yes	N/A
Tendency to blind off	No	Yes	Yes	Yes
Recyclable	Yes	No	No	No
Freeze Resistant	Yes	No	No	No
Backwashable	Yes	Yes	Yes	No
Chemical Resistance	Yes	No	No	Can be
Lifetime	4-5 years	3-4 years	2-3 years	1-3 months

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Engineering Test Results

PROHAYWARD Blü were tested in an independent laboratory for particulate size removal and flux rate changes. Testing procedure performed with various flux rates using a calibrated test dust of 3 micron nominal

PROHAYWARD Blü media is designed for replacement of sand or other multi-medias in back washable filter media vessels.

Test skid was equipped with 3/4hp vfd motor, Qty (2) 55 gal drums with test slurry and powered blending mixer(s). A 3 micron nominal test dust was introduced to the slurry and blended for 20 minutes.

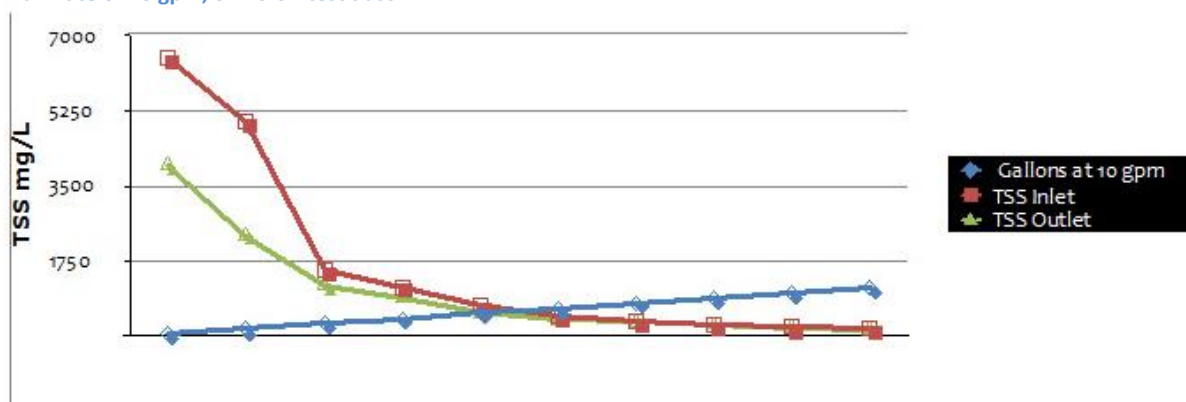
Samples were taken on both the clean (inlet) and dirty (outlet) sides of the filter vessel every 30 minutes until 2,000 gallons were processed.

Data was recorded for: Flux Rate, Temperature, volume and turbidity.

The reductions in Total Suspended Solids are shown below for the Flux rates of 10 gpm and 20 gpm per square foot of media.

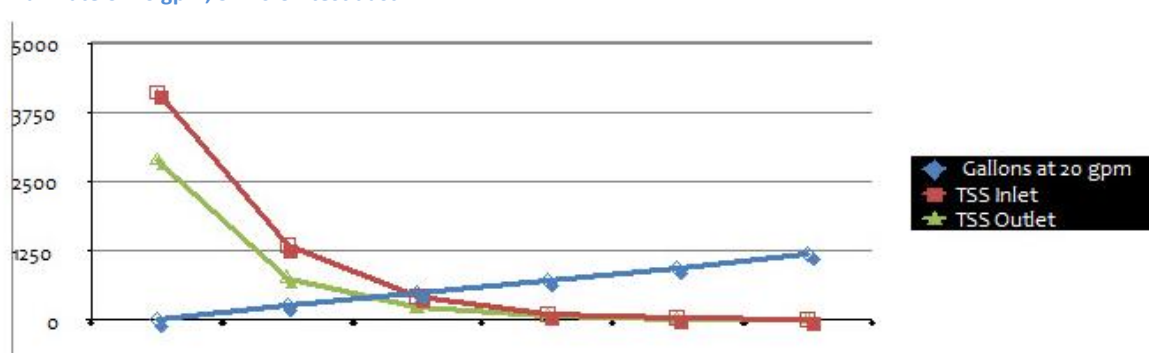


Flux Rate of 10 gpm; 3 micron test dust



Sample Number run at 10gpm loose dumped

Flux Rate of 20 gpm; 3 micron test dust



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Directions for Start-Up

1. For a new sand filter go directly to step No. 4 after following the manufacturer’s recommendation for preparing the filter.
2. Remove filter sand from your Hayward filter (if current vessel has sand).
3. Clean the sand particles that might be jammed in the lower underdrain laterals.

} Existing Filter Systems

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4. Add PROHAYWARD Blü Hi-Performance Media to tank (they are soft and can be pressed down when filling).
5. The PROHAYWARD Blü Hi-Performance Media should reach a minimum of 12” above the lateral or underdrain assembly. Maintain the space between the top of the media and top of the filter tank as recommended by the filter manufacturer.
6. Replace control valve or tank lid and rinse the new media for 2 minutes, then backwash for 2 minutes.
7. Set to filter mode and run as normal.
8. Backwash again following normal backwash procedures when pressure increases by 5-7 PSI.
9. Use PROHAYWARD Blü in filters which require 250lbs or more of filter sand.
10. PROHAYWARD Blü performance is not recommended in sand filter tanks rated for under 200 pounds of #20 filter sand. Please consult with a qualified pool technician for proper filter and pump system configurations for your pool.

} New Filter Systems

Hayward Sand Filter Model#	Sand Qty	PROHAYWARD Blü Qty*
S220T, VL240T	250 lbs	2.5 bags
S244S, S244T, VL270T	300 lbs	3 bags
S270T, S311SX	350 lbs	4 bags
S310S, S310T2	500 lbs	5 bags
S360SX, S360T2	700 lbs	7 bags

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Common Questions:

How does using PROHAYWARD Blü Save Money?

Sand and other filter media are more expensive when you consider shipping, handling and transportation costs. It takes energy to overcome pressurizing a vessel, because PROHAYWARD Blü increases your water flow with reduced pressure, your pumps are working less. In fact, your pumps do not need to run nearly as long to move the total volume of water in your pool through the filter system. So with less power consumed, you save money on your monthly electricity bill and you should find your pumps lasting longer with less maintenance.

How long does PROHAYWARD Blü last?

PROHAYWARD Blü does not wear down from the aggressive action of moving water as will sand or zeolite. Sand and zeolite become smooth just as river stones lose their edges and their capacity to filter. PROHAYWARD Blü will last as long or longer than sand.

Does PROHAYWARD Blü suffer from channeling?

Bypass occurs in string-wounds and sand filters, the industry term is called channeling. Water always chooses the path of least resistance. Unlike sand that has a propensity to channel or bypass, PROHAYWARD Blü provides multitudes of paths of low resistance trapping particles that are suspended and removing them, allowing the clean water to exit out the lower manifolds.

Water flows through the PROHAYWARD Blü, the agitation or movement of the water does not have the effect of nestling the PROHAYWARD Blü together forming a rather tight batting of media. Only the backwashing or reverse agitation breaks them apart again causing the trapped dirt particles to be washed out to drain.



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Does PROHAYWARD Blü result in Reduced Backwashing?

With PROHAYWARD Blü you enjoy the full depth of the filter media to capture matter and filter more particulate before needing to backwash. So you should be backwashing less frequently..

PROHAYWARD Blü were designed to tolerate the violent agitation of the water flow during the backwash cycle. A proprietary thermal bonding process is used so the fibers stay in the form you see when you install them in the filter vessel even after backwashing.

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	Benefit	Details
1	Reduced weight	Typically, one 1 pound bag replaces 100 pounds of sand
2	Easy installation	Less mess & aggravation, simply follow filter housing instructions for sand - ensure 12" bed above laterals
3	Improved Flow	More turns and healthier water. Flow increases dramatically with reduced back pressure
4	Better Filtration	PROHAYWARD Blü enables sand filter owners to achieve the same or better filtration as cartridges or DE media
5	More dirt holding capacity	PROHAYWARD Blü holds 22 times the dirt compared with sand
6	Lower Cost	PROHAYWARD Blü cost the same or less than premium sand or other alternative media
7	Lower energy consumption	Save 50% or more on your power bill with variable or multi speed pumps by filtering on low
8	Easier to use and replace	Less backwashing, simple disposal, and replacement
9	Long lasting	At least as long as sand, e.g., 3,5, 7 year life, also extends the life of your pumps and valves
10	Recyclable	Simple rinse, remove with shop vac, dispose in recycle bin