



BIOPURE® Lamella Tube Settler Media

Unique Hexagonal Chevron Shape • 1/3 Footprint • High-Efficiency Gravity Sedimentation

PRODUCT OVERVIEW & CLARIFICATION TECHNOLOGY

BIOPURE® Lamella Tube Settler Media consists of multiple inclined PVC/PP channels that transform conventional clarifiers into ultra-high-rate sedimentation systems. By multiplying the effective settling surface area, it enhances particle separation and dramatically increases treatment capacity. The unique hexagonal chevron profile accelerates gravity separation, allowing suspended solids to settle rapidly and slide continuously down the inclined channels without clogging.

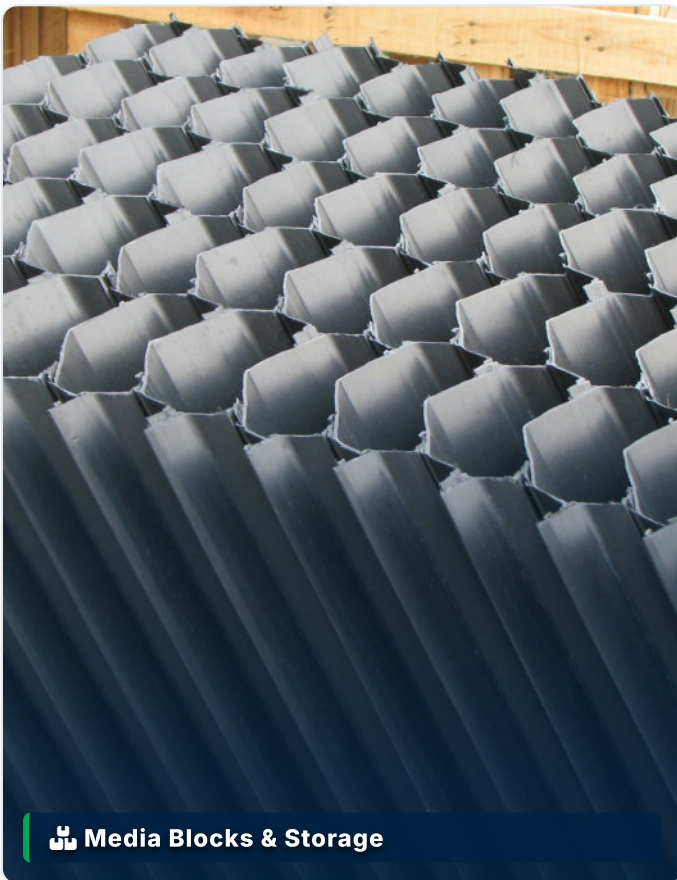
- ✓ Cuts physical clarifier basin footprint down to just 1/3 of conventional sizes while boosting solids removal rate.

11 & 13
M²/M³ SURFACE AREA

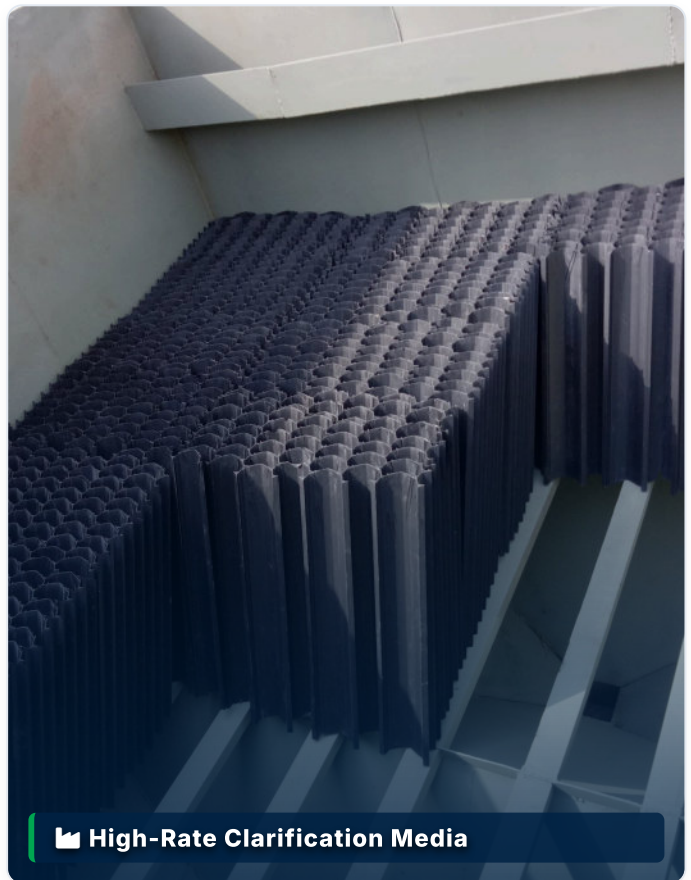
55° / 60°
INCLINED ANGLE

PP / PVC
UV STABILIZED MOC

MEDIA MANUFACTURING & PRODUCT GALLERY



Media Blocks & Storage



High-Rate Clarification Media

★ KEY SYSTEM ADVANTAGES



Max Surface Area

Provides 11 & 13 m²/m³ settling surface for accelerated clarification.



Optimum Slopes

Available in 55° & 60° angles for continuous self-cleaning sludge slide.



Compact Footprint

Reduces required tank footprint by up to 65% over traditional settlers.



Durable Material

UV-stabilized rigid construction resistant to chemical degradation.



High-Rate Gravity Clarification Technology

Designed for optimal hydraulic distribution, reducing turbulence and achieving high turbidity removal in municipal and industrial treatment plants.

TECHNICAL SPECIFICATIONS

SPECIFICATION	BIOPURE® BL-120	BOPURE® BL-130
Shape	Hexagonal - Chevron	Hexagonal - Chevron
Cross Section	120 X 44 mm	130 X 45 mm
Tube Width	120 mm	130 mm
Tube Pitch (mm)	44	45
Tube Length	1732 mm (Max)	1732 mm (Max)
MOC	PP, PVC	PP, PVC
Thickness	1.0 mm	1.0 mm
Colour	Black/White/Blue	Black/White/Blue
Application	STP/ETP - Clarification	STP/ETP - Clarification & Grit separator
Angle of Inclination	60 & 55 Degree	60 & 55 Degree
Settling Area (m ² /m ³)	11.0 @ 60° / 13.0 @ 55°	11.0 @ 60° / 13.0 @ 55°
Hydraulic Radius (mm)	15 mm	17 mm
Mean Hydraulic Diameter (mm)	60 mm	68 mm

MEDIA MODULAR INSTALLATION & STRUCTURAL DESIGN



QUALITY & OPERATIONAL PERFORMANCE SUMMARY

Footprint Savings

Up to 65% Reduction

Replaces large open gravity clarifier basins.

Assembly Standard

Tongue & Groove

Interlocking slide design for easy maintenance.

Material Grade

Virgin PP / PVC

UV-stabilized for long operational lifecycle.