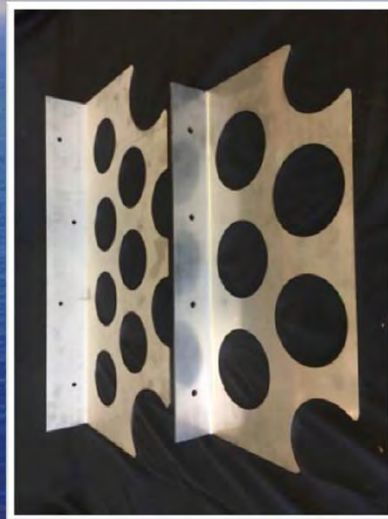


The BMP SNOUT + Turbo Plate® for T.S.S. Reduction and Pre-Treatment Options



**Best
Management
Products**

The Storm Water Quality Experts

An Introduction to **BMP**



**Best
Management
Products**

The Stormwater Quality Experts

20TH ANNIVERSARY

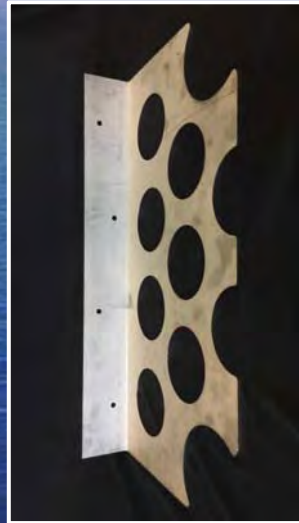
- Celebrating 20th anniversary.
- Focus on innovative products for the stormwater quality and wastewater industries.
- More than 80,000 installations in all 50 states. More than 2,000 in FL.
- Feature simple, cost-effective stormwater devices for the Ultra-Urban Environment.
- Your structures, our devices, saving money.
- Focus is sediment, trash, floatables and hydrocarbon reductions.



Primary Water Quality Components



SNOUT® High Performance
Vented Hood



Turbulence Reducing
Turbo Plate®

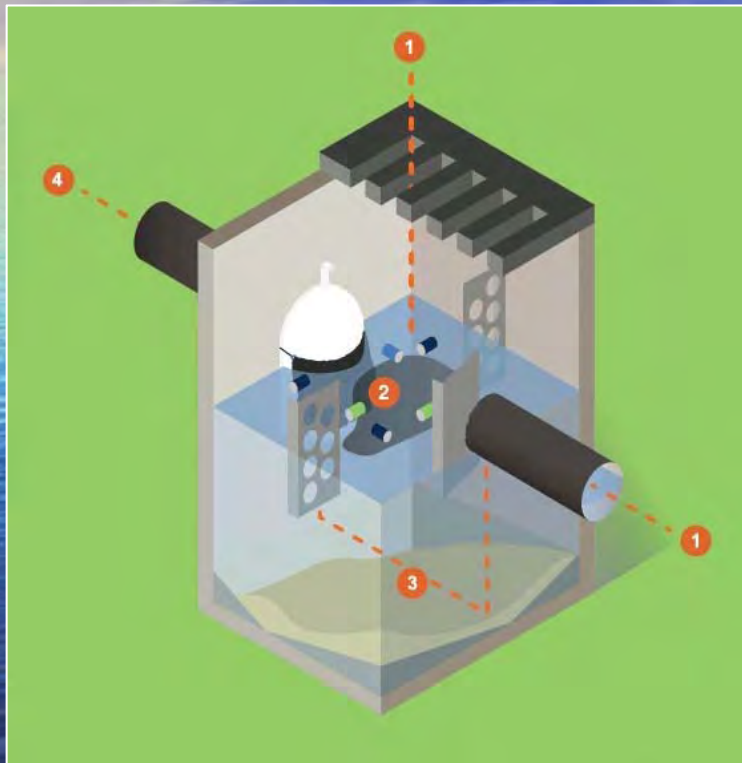


Hydrocarbon Reducing
Bio-Skirt® Skirted Boom



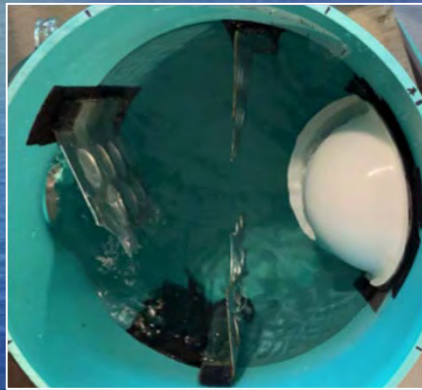
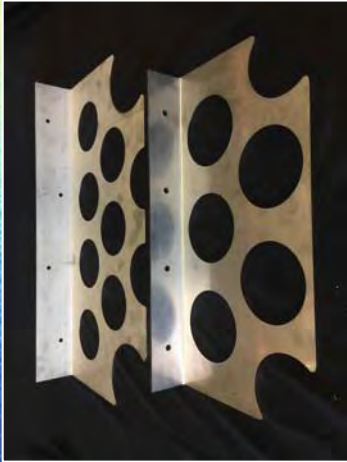
Stainless TrashScreen™
For Full Trash Capture

How the SNOUT+ Turbo Plate Works



1. Flow enters through pipe.
2. Flow is intercepted and deflected toward perforated plates.
3. Velocity and turbulence are reduced.
4. Pollutants separate.
5. Cleaned flow exits under SNOUT.

Turbo Plate[®] Development



1. Goal was for retro-fit capable device to reduce turbulence and increase sediment capture.
2. Needed to be low cost to fit with BMP's design philosophy.
3. Verifiable performance estimations through extensive lab testing and software calculated reporting.
4. Adaptable to various structure configurations and deployable in series for increased performance.

Turbo Plate[®] Lab Performance

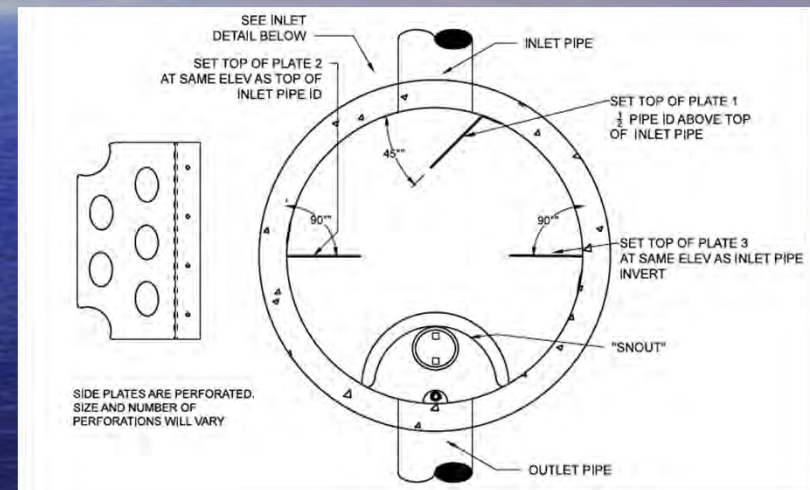


More than 50 ¼ scale tests conducted- 41 with Turbo Plates. Flow simulated 1.0 to 1.5 cfs flow in a 48" ID structure with 4' sump and 18R SNOUT. Results consistent with minimal deviation.

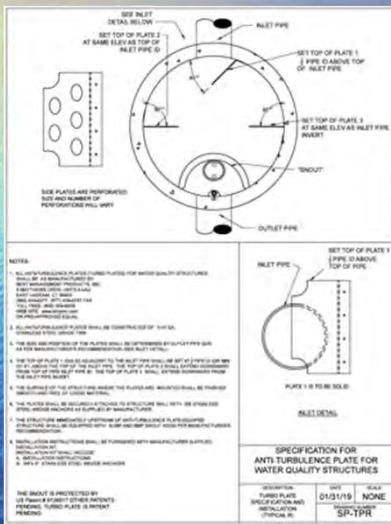
	Set Up		# of Tests	Avg Removal
	Baseline Run	No SNOUT or Turbo Plates	4.00	51.50%
	SNOUT Only		7.00	62.43%
	SNOUT + Inlet Turbo Plate Only		6.00	72.67%
	SNOUT + Inlet and 1 Side Turbo Plate		13.00	73.19%
	SNOUT + Inlet and 2 Side Turbo Plates		7.00	74.75%
	Dual Structure	(variety of Internal set ups)	7.00	83.18%

Designing with the Turbo Plate®

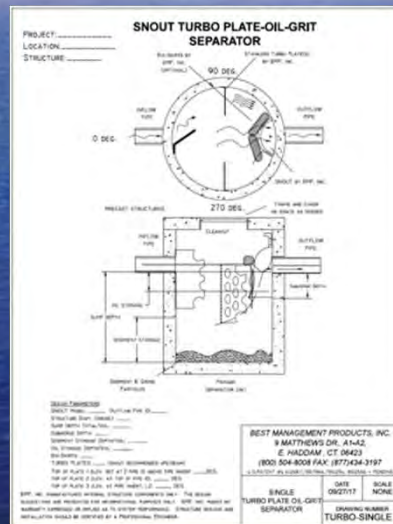
- Need basic catchment data: area, % impervious, avg. slope, hydraulic length, CN, treatment goal.
- Need pipe size, treatment flow and Qmax.
- SNOUT, Turbo Plate and structure sizes will be determined based on flow and treatment level.
- Inlet plate is solid, and side plates are perforated.
- Can be retrofitted into existing structure if sump depth is sufficient.
- Whenever feasible, structure with SNOUT only upstream of Turbo Plate structure is recommended.
- Turbo Plate will work for round or rectangular structures and multiple inlet pipes if structure is appropriately sized.



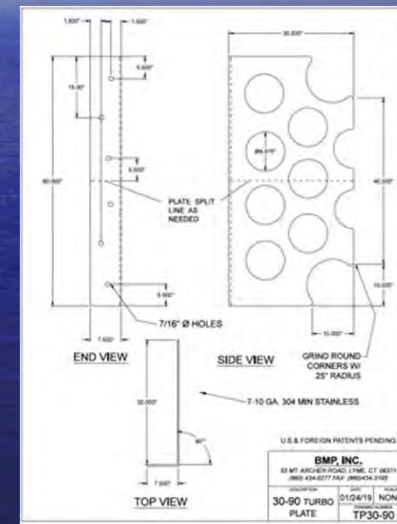
Turbo Plate® Resources & Availability



Specifications



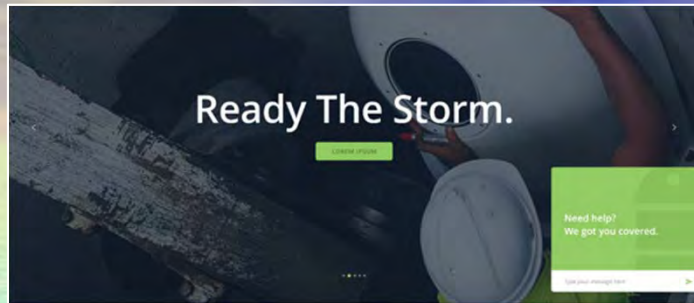
Design Schematics



TP12 to TP30
Part Details

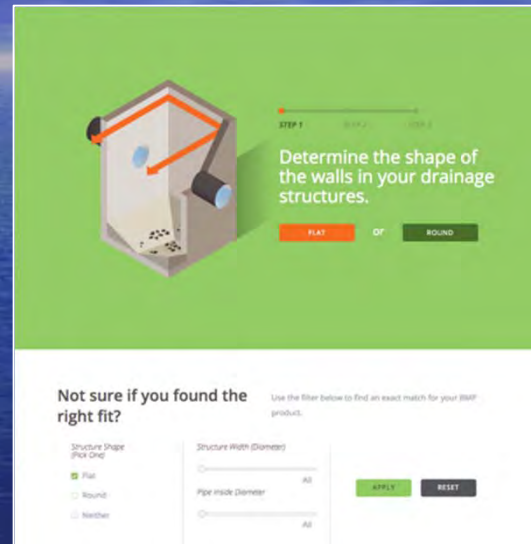
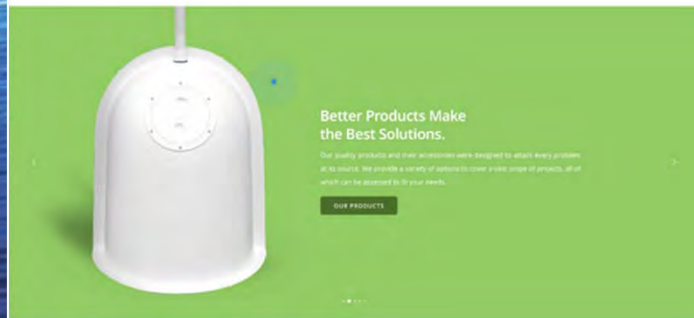


New Website Coming Soon!



The Stormwater Quality Experts.

All BMP Management Products, best professional guidance and regular practices have made us the first and final stop for distributed quality stormwater systems.



Not sure if you found the right fit?

Use the filter below to find an exact match for your BMP product.

Structure Shape (Pick One)

- Flat
- Round
- Nozzle

Structure Width (Diameter)

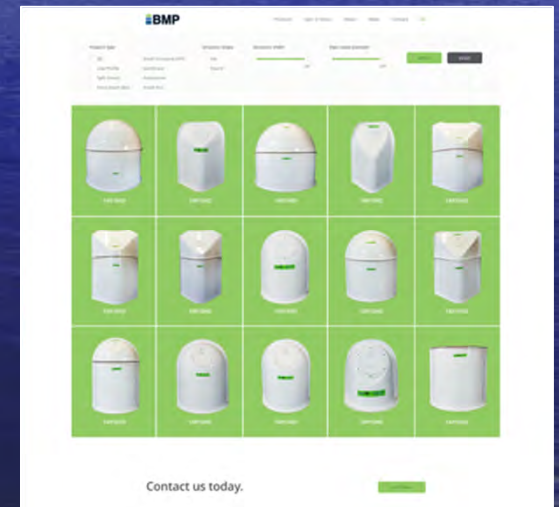
0 100 200 300 400 500 600 700 800 900 1000

Pipe Inside Diameter

0 100 200 300 400 500 600 700 800 900 1000

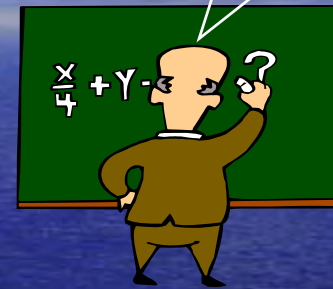
APPLY

RESET





Thank you!



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