Tomorrow’s Drainage System Today

The Most Advanced Name in Drainage Systems®
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ABOUT NYLOPLAST

Nyloplast specializes in the development, manufacture and sale of PVC plastic structures for underground water piping systems based on our own unique production technologies. We serve the commercial, industrial, landscaping, government, general sport/recreation, golf course and other markets with a full line of custom fabricated heavy-duty road & highway structures, curb inlet structures, drain basins, inline drains and drop-in grates.

Nyloplast Structures represent the latest in storm water pipe technology. Their innovative combination of performance proven ductile iron grates with a rugged, heavy-duty PVC structure makes them unique in the surface drainage field.

At Nyloplast, we have seen the enormous cost of rebuilding yesterday’s infrastructure, as metal and concrete systems complete their often limited service life. Today, the engineered plastic system is a reality, providing better hydraulic performance, extended service life, and cost efficiencies in installation and maintenance costs. Tomorrow, you will continue to see new products and applications from Nyloplast, the leader in drainage systems.

Stormwater Treatment Products
We also have a full line of inserts and inlet protection devices designed to improve water quality as part of the National Pollution Discharge Elimination System (NPDES) and EPA Phase II standards.

DO NOT POLLUTE STREAM
**FEATURES**

- Locking Grates
- Hinged Grates
- Outlets Accommodate Most Pipe Systems Available
- Ductile Iron Grates tailored for Every Traffic Situation, Weight Load and Site Requirement
- Locking Flange Design
- NPDES Related Products
- Watertight Joint

**BENEFITS**

**Heavy Duty Construction**
- Ductile Iron Grates
- PVC Bodies
- H-20 Rating
- No Corrosion or Degradation

**Easy, Economical Installation**
- No Field Fabrication
- Easy Handling
- Rightsizing the Structure
- Offset Structure Design
- Easy Field Adjustment Using INSERTA TEE®

**Watertight System**
- Gasketed Push-On Joints
- Flexible, Resilient Connections

**Watertight Joint**
APPLICATIONS

- Residential
- Parks & Recreation
- Golf Courses
- Schools
- Commercial
- Government
- Road & Highway
DRAIN BASINS

Nyloplast Drain Basins are used as a collection point where one or more drain lines converge. Nyloplast basins can provide a transition between different sizes and types of pipe and change the elevation or direction of the pipe.

When are Drain Basins Used?

Curb Inlet Structures
Nyloplast Curb Inlet Structures include all the advantages of our drain basins and fit drainage pipe up to 30". The curb inlet hoods have a “do-not-pollute” message, and are fully adjustable—as is the grate position—to make installation easier.
Road & Highway Structures
Nyloplast Road & Highway Structures offer all of the Nyloplast product benefits such as heavy-duty construction, easy, economical installation and a watertight system. Plus, our H-20 rated ductile iron grates provide maximum strength for traffic applications.

INLINE DRAINS
Nyloplast Inline Drains are designed to enter an existing line with a riser and tee or for use at the beginning of a drain line.

When are Inline Drains Used?
Inline Drains allow you to match inlet capacity to pipe capacity, reducing cost of riser pipe.
GRATE OPTIONS

Ductile Iron Grates for Every Traffic Situation, Weight Load and Site Requirement

• H-20 Traffic Rated Grates
• H-10 Medium-Duty Grates
• H-20 Solid Covers
• Bronze Grates
• Domed Grates
• Drop-in Grates
• ADA Compliant Grates
• Road & Highway Castings
• Curb Inlets

Ductile Iron Grates conform to the following ASTM standard:
ASTM A536 grade 70-50-05 for ductile iron.

Grate Marker
Public education and outreach is part of the NPDES requirement. Storm drain marking is an established method of involving the public and increasing community awareness about nonpoint source pollution. Many Nyloplast castings come with a recessed area on the grate designed to accommodate these grate markers. Nyloplast keeps inventory of only the featured marker shown at left, however, other markers may be purchased in 100 piece lots as custom orders. Call for details.

Drop-In Grates
Our light-duty non traffic Drop-In Grates, available in sizes 6” through 24”, provide easy installation by eliminating the need for a frame.
Locking option is available for most grates.

- 8" & 10" Dome Light-Duty
- 18", 24" & 30" Dome Light-Duty
- 12" & 15" Dome Light-Duty
- 8" & 10" Standard Light-Duty (also available in bronze)
- 18" Standard H-20
- 24" Standard H-20
- 30" Standard H-20
- 18" Pedestrian H-10
- 24" Pedestrian H-10
- 30" Pedestrian H-20
- 8" & 10" Solid Light-Duty
- 18" & 24" Solid H-20
- 30" Solid H-20
- 12" & 15" Standard H-20
  Hinged Design
- 12" & 15" Pedestrian H-10
  Hinged Design
- 12" & 15" Pedestrian Light-Duty Bronze
- 12" & 15" Solid H-20
  Hinged Design
ENVIROHOOD STRUCTURE

The Nyloplast EnviroHood™ is an innovative stormwater management device attached to the inside of a catch basin or manhole designed to prevent the outflow of floating debris and oil.

The need for cleaner stormwater has caused municipal leaders to demand forward-thinking solutions to improve their overall water quality. The EnviroHood offers lower installed costs and less intrusive installations than competitive devices.

Engineered for Optimal Performance

The innovative design incorporates the same proven corrugation technology used on ADS N-12® pipe products. This delivers maximum strength to weight ratio and ensures the structure is capable of supporting the hydraulic forces of a rainfall event.

Features & Benefits:
- Molded from High Density Polyethylene (HDPE) for lightweight and sturdy design
- Corrugated design eliminates flat surfaces and provides increased structural capacity
- Effective low-cost solution for storm water treatment
- Easy to clean
- Highly corrosion-resistant for long service life

WEIR STRUCTURE

How the Weir Structure Works:
- Storm water flows into the Nyloplast catch basin structure.
- The water flow is diverted to a desired outlet from the catch basin, typically to a water quality device, in order to effectively capture pollutants during the “first flush” of a storm event.
- The Weir Structure may also serve to restrict or regulate the flow of water exiting the drainage system. The restriction is determined by height of the weir and/or the size of the orifice hole in the weir plate.

Weir Structure Benefits:
- Simple and effective method to direct the inlet flow into a stormwater management system or water quality device.
- Simple and effective method to regulate outlet flow from a stormwater management system.
- Enhances ability of a water quality device to capture pollutants from storm event.
- Allows for flexibility to re-direct water flow during a high-flow event.
- Proven technology used for many years in the irrigation market.
- Nyloplast can customize Weir Structures (at the direction of the design engineer) to provide a variety of weir functions for site-specific needs, including “key way slot” and “v-notch” weir designs, and high flow or low flow orifice hole designs to further regulate the flow of storm water.
INSERTA TEE MANIFOLD ADAPTORS FIT ANY MAINLINE OR STRUCTURE

Air-Testable, Watertight and Versatile
INSERTA TEE is a three piece service connection consisting of a PVC Hub, Rubber Sleeve and Stainless Steel Band. INSERTA TEE is compression fit into the cored wall of a mainline and requires no special tooling. INSERTA TEEs are designed to connect 2” (51 mm) through 30” (750 mm) services to all known solidwall, profile, closed profile and corrugated pipe manufactured today.

INSERTA TEE allows for tapping of existing lines without disturbing the bedding. It eliminates glues, epoxies, grout and awkward gaskets and the need to retighten bands around the mainline.

INSERTA TEE is designed to match the internal radius of any pipe and services can be connected where needed. It allows for easier grading of the mainline. It also greatly reduces costs by reducing labor hours and pipe materials. Hole saws are available for sale for all sizes of INSERTA TEEs. The use of installation methods or hole saws not purchased from Inserta Fittings will void the performance warranty of the product.

Applications:
- Sanitary Sewers
- Pipe Bursting (HDPE/PVC)
- Fold-and-Formed Products
- Manholes
- Drainage
- Catch Basins
- Storm Sewers
- Sliplining
- Cured-In-Place Products
- Wet Wells
- Irrigation
- Electrical Vaults Available 2009

INSERTA TEE Fittings For All Gravity Flow Pipe And Manholes
- Ductile Iron
- Fiberglass
- PVC
- Ultra Corr™
- GOLDFLO®
- Weholite®
- DuroMaxx®
- Spirolite
- Hi Q®/Sure-Lok®
- Vylon®
- N-12®
- Kor-Flo™
- Asbestos Cement
- Ultra Rib™
- PermaLok®
- Corrugated Metal
- Softlo® Max
- Concrete
- N-12® HP
- Pro 21®
- Polyethylene
- Truss®
- A2000®
- Clay
- SaniTite® HP

Lateral

SDR35 Sewer — Corrugated Type Pipe — IPS/Sch40 — SDR26 HWS — C900

Any Mainline or Structure
SUMP INSERT

Nyloplast offers a Sump Insert accessory that will allow our drain basins to be manufactured without a sump. This new component is the first of its kind in the industry and is designed to direct inlet water to the lowest outlet by filling in the area where the sump would normally be present.

The Sump Insert eliminates the concern of sitting water in the drain basin, thus eliminating concerns of bacterial growth and pests such as mosquitoes. This product can only be installed during production of 12”–30” diameter drain basins. The shell of the Sump Insert is made from polyethylene, which is corrosion and abrasion resistant, and is completely sealed.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>BASIN DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3812AGSI</td>
<td>12”</td>
</tr>
<tr>
<td>3815AGSI</td>
<td>15”</td>
</tr>
<tr>
<td>3818AGSI</td>
<td>18”</td>
</tr>
<tr>
<td>3824AGSI</td>
<td>24”</td>
</tr>
<tr>
<td>3830AGSI</td>
<td>30”</td>
</tr>
</tbody>
</table>

48” HP MANHOLE

PRODUCT FEATURES
• Easy to specify, install and maintain
• Manhole accepts connections to all pipe types and joint performances
• Field branch install flexibility using INSERTA TEE
• Optional water quality accessories are available, including FLEXSTORM™ inlet filters

MATERIAL & STRUCTURAL PERFORMANCE
• Manhole is manufactured from high performance HDPE cone and polypropylene body
• Suitable for all storm drain applications
• Ideal for high-performance applications, including petrochemical, industrial and high performance storm sewer
• H-20 traffic loading tested
• Various casting options available
DO-IT-YOURSELF NYLOPLAST DRAIN BASIN CONFIGURATOR

The Drain Basin Configurator design program automatically designs a Nyloplast drain structure quickly and easily online. Entering just minimal information enables the proprietary software to customize a basin for any project. Input sections include type of pipe, basin diameter, and details for each branch including diameter, angle plus invert height. Any miscalculations are reduced as the program automatically guides you to suggested measurement(s). The program then provides a drawing and list of components that can be immediately ordered or saved in the user’s private account.

The Custom Drain Basin Configurator can be found at www.ads-pipe.com, or at www.basinconfigurator.com

Features & Benefits:

• Automatic design is quick and easy
• Customizable for any project
• Private online accounts can store multiple projects
• Custom products can be ordered immediately or saved for a later date
• Products arrive on the job site ready to install
• Installation is quick, safe and simple
• Minimal labor contributes to immediate cost savings all around
THE UNIVERSAL BMP FOR STORM SEWER SEDIMENT CONTROL

FLEXSTORM Inlet Filters are for use in DOT/Road Construction, Commercial/Parking Lots, Residential Developments and Industrial/Maintenance for Silt, Sand, Gravel and Large Particle Filtration.

Features
- **Configurable**: steel frames configured to fit ANY storm drainage structure
- **Adjustable**: rectangular frames are adjustable in 1/2” increments up to 5” per side
- **Reusable**: replaceable geotextile sediment bags (non-woven or woven filter fabric available)
- **Affordable**: low per-unit cost; installs in seconds; easily maintained with Universal Removal Tool (no machinery required)
- **Effective**: works below grade; overflow feature allows streets to drain with full bag

Benefits
- Reduce jobsite flooding and keep projects running
- Minimize residential complaints with cleaner, dryer streets during all construction phases
- Prevent hazardous road icing conditions by eliminating ponding at curb inlets
- Significantly reduce cleanup costs
- Prevent siltation and pollution of rivers, lakes, and ponds
- Helps prevent fines; NPDES Phase II Compliant
- Lowest cost alternative for the highest level of Inlet Protection

Multiple Filter Bag Options
The standard woven polypropylene bag has the highest flow rate in the industry. This durable geotextile resists clogging and cleans up easily. It is well suited for construction sites and heavy flow drainage areas. Provisions for hydrocarbon removal are offered as add-ons (see FX+ and FXO).

<table>
<thead>
<tr>
<th>FLEXSTORM FILTER BAGS</th>
<th>STANDARD BAG P/N (22” depth)</th>
<th>SHORT BAG P/N (12” depth)</th>
<th>DESCRIPTION OF USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FX: Standard Woven Bag</td>
<td>FX</td>
<td>FX-S</td>
<td>Standard woven bag for temporary or permanent applications</td>
</tr>
<tr>
<td>FX+: Woven w/MyCelx</td>
<td>FXP</td>
<td>FXP-S</td>
<td>Standard woven bag with MyCelx skimmer for low to moderate hydrocarbon removal</td>
</tr>
<tr>
<td>FXO: Woven w/Oil Boom</td>
<td>FXO</td>
<td>FXO-S</td>
<td>Standard woven bag with oil boom for low to moderate hydrocarbon removal</td>
</tr>
<tr>
<td>PC: Post Construction Bag</td>
<td>PC</td>
<td>PC-S</td>
<td>For very fine particles with moderate levels of hydrocarbon runoff</td>
</tr>
<tr>
<td>PC+: PC Bag w/ MyCelx</td>
<td>PCP</td>
<td>PCP-S</td>
<td>For very fine particles with high levels of hydrocarbon runoff</td>
</tr>
</tbody>
</table>

Oil, Grease, Metals and Fine Particle Filtration
The FLEXSTORM PC ‘Post Construction’ line of inlet filters is designed to specifically target small particle and hydrocarbon removal from parking lots, industrial buildings and other drainage hot spots. TSS=99% TPH=97%††

† Large scale, 3rd party testing per ASTM D 7351, Standard Test Method for Determination of Sediment retention Device effectiveness in sheet flow Application using 7% USDA Sandy Loam
†† Large scale testing at 90 GPM. 3rd party results using US Silica OK-110 sand at 1750 mg/L measuring TSS per SM 2540D. TPH tested at 243 mg/L used motor oil using EPA Method 1664A.
PRODUCT CONFIGURATOR

With the online FLEXSTORM Product Configurator tool, in 4 simple steps, you'll have your FLEXSTORM filter configured so you can:

• Place an order
• Specify the filter for a project
• Request pricing and other information using a part number specific to your project

The Product Configurator can be found at http://inletfilters.com/flexstorm-product-configurator
STRATEGIC SHIPPING LOCATIONS

The strategic location of our manufacturing facilities in Buford, Georgia, Bakersfield, California and Findlay, Ohio make for fast arrival just about anywhere in North America. In fact, once you’ve worked with our products and experienced our service, we’re confident you’ll be impressed.