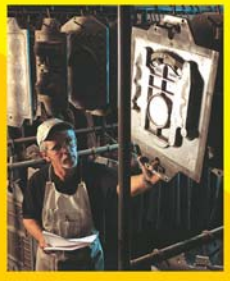
Jay R. Smith Mfg. Co.®

a better way

SMITH®

CUSTOMER DRIVEN

Jay R. Smith Mfg. Co.® Product Family Overview



A Complete Product Line of Innovative and Custom Made Products

Designed for Adaptability, Conformance to Code, Ease of Installation and Maximum Performance Efficiency

Jay R. Smith Mfg. Co.® Extraordinar

CUSTOM IMAGES, CUSTOMIZED GRATES AND COVERS

Allows the designer to create a personalized product that maintains its required function.

- Custom images can be added to floor, trench and area drain grates as well as cleanout covers, access covers and hydrant boxes
- Enhances both exterior and interior architectural design
- Custom Images can be captured on a variety of surfaces to include nickel bronze, polished bronze, stainless steel, and/or cast iron
- Materials such as tile and marble can be used as inlays on floor drains
- Custom Image Stainless steel perimeter drains are available for fountains, pools, hot tubs and restrooms

LABOR SAVER® FIXTURE SUPPORTS

Figure Numbers 0609 through 0925 have been designed to speed up the installation process by using a one-piece rigid frame of pre-assembled steel construction. This innovative support allows for installation in narrow wall and metal stud configurations. The support features both horizontal and vertical adjustability to fit different installation conditions.

- Rigid, one-piece, pre-assembled steel construction
- Universal application for supporting off-the-floor urinals, lavatories, water coolers, and sinks
- Maximum vertical and horizontal adjustability with specially designed mounting brackets
- Enhanced strength and rigidity
- Allows for installation in narrow and metal stud wall configurations

SIPHONIC ROOF DRAINS

Figure number 1005 and 1605 promote the principle of full-bore flow within engineered siphonic roof drainage piping systems. The siphonic drain uses siphon action created by an internal baffle to have superior volume and velocity performance compared to traditional drainage.

- Siphonic action is independent of pipe pitch or gradient. Pipe can be horizontal
- Full-bore flow reduces pipe size and cost, allowing use of open space
- Flexibility of vertical stack placement reduces buried pipe depths and cost of trenching
- Below slab installation costs are minimized reducing excavation, backfill costs, and underground piping
- Siphonic roof drains look much like a traditional roof drain
- Highly effective for capturing rainwater from a building's rooftop to aid in rainwater harvesting

THE BOSS TEE, CLEANOUT AND TEST TEE

Figure number 4505 cleanout and test tee is engineered to be installed in a concealed drainage line where a cleanout tee is desired. The Boss Tee is designed to work double duty in the sanitary DWV piping system: during construction to hydrostatically test the piping system for leaks then after testing as a standard cleanout tee.

- When closed off with an internal plug it can be used to test DWV piping from one to three floors
- Eliminates the need for an inflatable plug in the vertical stack
- Reduces the chance of mold due to water spillage
- Large, spherical opening allows for easy hand access to internal raised head plug
- Cleanout tee remains in the stack to be used for future maintenance and testing

For more information on our products or to contact your local representative, visit www.jrsmith.com

y Products

PROFESSIONAL GRADE WALL AND GROUND HYDRANTS 5500 AND 500 SERIES

Figure numbers 5500-5900 are designed to fit your construction needs. Variations of wall hydrants, ground hydrants, and post hydrants offer a full line of hydrant designs.

- Our commercial wall hydrants come with a quarter-turn feature that allows for full flow of water
- Square and round stainless steel hydrant boxes are available for the QT wall hydrant series
- Our cored hole hydrant box is designed to fit into a 6" diameter cored drill hole
- The Guardian Dual Check® Hydrant provides positive non-freeze protection with integral vacuum breaker and dual check valve
- The Guardian, with or without the box, is designed to fit one standard brick course
- All of our hydrants have a self-draining feature which prevents freezing during periods of inactivity
- Our non-freeze post and ground hydrants are available for a variety of applications
- The 500 Series covers residential and light commercial applications

FloodGate®

AUTOMATIC BACKWATER VALVE

Figure Number 7140 is designed to protect a building and its contents from flood damage due to a backup in the drainage system.

- Completely automatic
- Fully mechanical—no electricity required to activate the valve
- Full Port—nothing to obstruct the flow or trap debris
- Positive seal—once closed, it prevents leakage beyond the valve. 99.9% effective in tests
- Easy in-line installation, including retrofit
- Automatic resetting after activation (optional audio/visual alarm system available)

SENTINEL ALARM SYSTEM

Figure Number 7141 is a pressure alarm system that notifies the maintenance staff that a backup has occurred and plumbing fixtures should not be used

- Can be used with most any type of backwater valve or on its own
- Operates on standard 120VAC

SMITH STAINLESS TRENCH DRAIN AND CAST STAINLESS STEEL SERIES

The inherent durability of stainless steel makes it an ideal material for floor drains, floor sinks, floor cleanouts, and trench drains regardless of application.

- Stainless products are perfect for facilities where hygienics, corrosion resistance, and visibility are inherent
- Applications include restaurants, food processing plants, hospital, chemical plants, dairies and breweries
- 9700 Series is made from ASTM-A351(CF8) cast equivalent to type 304 rough finished stainless steel
- 9691-9699 floor sink series are 14 gauge type 304 stainless steel
- 9660 trench drain series' modular design allows the channels to be assembled in any length
- 23 modular channel sections of 16 gauge type 304 stainless steel with .6% preslope
- The 9660 Series has a variety of stainless steel grates available

RAINWATER HARVESTING PRODUCTS

Rainwater harvesting technology is simple to install, operate, and maintain. It is convenient in the sense that it provides water at the point of consumption and operating costs are negligible. Water collected from the roof catchment is available for use in non-potable applications such as toilets and urinal flushing, laundries, mechanical systems, custodial uses, and for irrigation.

Benefits of using rainwater:

- It is free, the only cost is for collection and use
- It saves money on utility bills
- It is good for irrigation, and plants thrive because stored water is free from pollutants
- Helps you achieve LEED points under water use reduction, water efficient landscaping , and storm water management

In cooperation with WISY AG and Rainwater Management Solutions.

Jay R. Smith Mfg. Co.® Interceptors

GREASE+GARD® RETROFIT SKIMMER AND GREASE RECOVERY DEVICE

The Grease+Gard® System relies on a belt and heater assembly to automatically remove fats, oils and grease (FOG) from a grease interceptor at a predetermined time.

- The Grease+Gard® device is the only Grease Recovery Device on the market that uses the patent pending agitator technology
- The Grease+Gard® System can remove up to 98% of free-floating FOG discharge
- The Retrofit Skimmer can be configured to work with most existing grease interceptors on the market today (Figure # 8165GG-8175GG)
- The Grease+Gard® Grease Recovery Device is available in most common sizes (Figure #s 8165-8175)
- The device is easy to access and maintain

REMEDIATOR® GREASE TREATMENT SYSTEM AND ULTRACEPT® OIL/WATER SEPARATOR SYSTEM

Jay R. Smith Mfg. Co. produces two unique wastewater products: the Remediator® Grease Treatment System and the Ultracept® Oil Water Seperator for treating waste-water containing grease and oil.

The Remediator Grease Treatment System, figure number 8970, is designed to use live bacteria to digest fats, oils, and grease (FOG), eliminating a potential blockage in the drainage system.

- This system is regularly furnished with a solids interceptor which separates out large food scraps and particles
- Maintenance costs are virtually non-existent with no moving parts to service and no periodic clean out of fat, oil, or grease
- No dipping, No drawing-off, No hauling cost, No FOG

The Ultracept, figure number 8600, above ground oil/water separator system is the simplest, most efficient system available to remove free oil from wastewater.

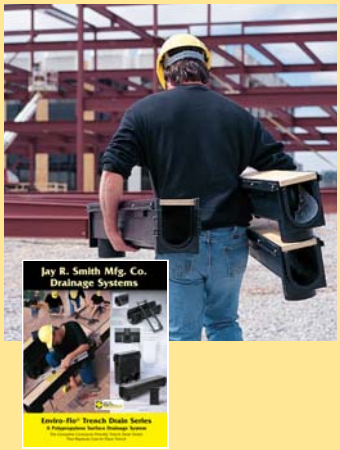
- Flow rates from 2 to 45 GPM
- No coalescing plates, filters, or moving parts
- Above ground application offers easy maintenance

INTERCEPTORS

In addition to the specialty interceptor systems, Jay R. Smith Mfg. Co. manufactures a full line of traditional interceptors.

- 8000 Series is designed for most commercial applications and bear the Certification Seal of PDI.
- The traditional line may be installed either on-grade, semi-recessed or fully recessed in-the-floor
- 8000 GT Semi-Automatic Draw-off Series offers the same intercepting efficiency as the 8000 Series
- The GT Series minimizes the effort involved in the unsanitary and undesireable job of removing the accumulated grease manually
- Custom Made, Special Quote, Interceptors can be designed for a specific engineering need
- Some of the specialty interceptors available: Fish Scale, Slurry/Pulper, Animal Fur/Hair, Sand Sump and Solids Interceptors

Smith Drainage Systems



ENVIRO-FLO® TRENCH DRAIN SERIES

Figure Number 9930's light-weight material and interlocking channel system allow for a one man installation.

- Constructed of 100% Polypropylene. Lightweight, but durable and easy to handle and install
- Presloped (.6%) radius channel; smooth, uniform interior delivers best hydraulic performance
- 15 sloped plus 15 neutral channel sections for any configuration
- Heavy-duty frame available for high load requirements
- Provided with precut wooden inserts at no charge for protection and easier clean up of channels

SMITH/ACO TRENCH DRAIN SERIES

Figure number 9800's are a full line of precast polymer concrete and fiberglass surface drainage systems.

- Presloped (.6%) radius channel, smooth, uniform interior for best hydraulic performance
- 9818 Series incorporates an integral cast-in metal rail edge for classic design and structural integrity
- Channel end offers a striking and distinctive finished appearance
- 9814 Series incorporates a ductile iron frame and grate for extra heavy-duty applications
- The 9810 and 9812 Series fiberglass trench drains are designed for maximum hydraulic performance
- Comprehensive variety of grate types and materials to meet all requirements

JAY R. SMITH MFG. CO.® DRAINAGE SYSTEMS CHANNEL BRUTE DRAIN SERIES

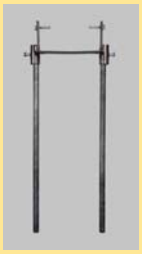
The 9828 Channel Brute System is a presloped, wide, high capacity version of our 9816 extra heavy duty polymer concrete system.

- The channel in combination with our secured ductile iron slotted grate is rated for 200,000 pound loading
- Designed for extra heavy-duty installations such as airports, bus depots, military bases, warehouses, and other industrial areas

Channnel Brute is a Jay R. Smith Mfg. Co.® Drainage Systems product.

Rante-Arrow

You'll save time and money with the Rante-Arrow Trench Drain Chair installation device, figure number 9849. When used with Enviro-Flo® (polypropylene) or Smith/ACO® (polymer concrete) channels, Rante-Arrow dramatically reduces labor cost and can ensure a superior no-void, no-seam, no-shear installation. Only one (1) anchor per 39.38" of channel with the Rante-Arrow.



REBAR CHANNEL SUPPORT

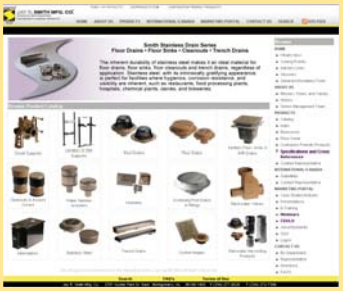
Figure number 9869-R is a Contractor Friendly installation tool that uses rebar or other job-site materials to support and hold Enviro-Flo® or Smith/ACO® trench drain channel ends together, allowing vertical or horizontal adjustment.

Jay R. Smith Mfg. Co.® Resources

SMITH YELLOW PAGES® FULL 3-RING ENGINEERING BINDER

A complete line of specification plumbing and drainage products.

- Full information and technical data for each product category
- Products include Extraordinary Products, Fixture Supports, Roof and Floor Drains, Cleanouts, Hydrants, Grease, Oil, and Special Purpose Interceptors, Valves and Traps, Water Hammer Arresters, Specialties, and Trench Drains
- Contains information on Flood-Gate®, Remediator®, The Boss Tee, Labor Saver®, Guardian® Dual Check Hydrant, Grease+Gard® Custom Images, Rainwater Harvesting, Siphonic Roof Drains and Jay R. Smith Mfg. Co. Drainage Systems
- Includes suggested specifications, government specs, and fixture support selection guides and a comprehensive cross reference



www.jrsmith.com

An industry leading Web site where up-to-date, comprehensive information, user friendly tools and helpful resources are always available.

- Complete catalog and product information
- Literature, pictures, submittals, and drawings
- Price Guide + UPC data
- Selection Guides and CSI MasterFormat Guide Specifications
- Contractor Friendly Area
- Product presentations, case studies and training
- Webinars + CEU/LU
- RSS Feed
- What's New Section
- And much more at www.jrsmith.com

CONTRACTOR JOB SITE REFERENCE

This catalog is designed with the job site contractor in mind.

- Contains over 200 of our most requested submittal drawings giving the contractor unfettered access to important installation information without having to refer to the Smith Yellow Pages® catalog
- The reference is laid out in catalog and figure number order for easy reference
- Each product section begins on a right-hand facing-page, so that you can quickly flip through the catalog to find the submittal you need
- The Job Site Reference includes a Table of Content, a Figure Number Index Page and is conveniently sized
- For more information on contractor products, visit the Contractor Friendly Section of www.jrsmith.com

CUSTOM MADE, SPECIAL QUOTE, PRODUCTS

We look forward to the challenge of designing and manufacturing special products which solve our customer's needs.

- We have more than 80 years of experience in designing new products to meet unusual specification requirements for particular jobs
- For more information on our Special Quote Products, contact your local Jay R. Smith Mfg. Co. representative

JRS PRODUCTS

JRS Products are available for light commercial and design-build projects. For more information on JRS Products or to contact your local Jay R. Smith Mfg. Co.representative, visit www.jrsproducts.com.

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