

General Information



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SIGMA CORPORATION

Regional Sales Offices

Sigma Corp

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North & South Carolina Distribution Center

Sigma Corp

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HISTORY OF THE COMPANY

Sigma's roots in the Southeast date back decades. Through its corporate predecessor, Russell Pipe & Foundry, the company began as a soil pipe and fitting producer in a small textile town in Alabama. Legend says that the local Russell Mills owner had the women of Alexander City gainfully employed and began searching for a similar outlet for the men of the town. Settling on the foundry business, he formed Russell Foundry. As his textile interests grew, the foundry was sold to interests in Anniston, Alabama which, at the time, was known as the "Soil Pipe Capital of the World".

The new ownership expanded the foundry's commitment to the soil pipe line, and the foundry flourished for decades with this line of castings. With the advent and subsequent growth of plastics after World War II, the market for cast iron soil pipe began to stagnate. About this same time, the company was sold to new ownership which began to own and manage the foundry from Alexander City. This management expanded the range of products offered while still remaining committed to the water and sewer industry. The product range now included C110 Full Body Fittings – largely Lead Joint as that was the common method of pipe joint at the time. Later the product line evolved to include MJ Fittings, Flange Fittings, Manhole Frame & Covers, Meter Boxes and Valve Boxes.

During most of this history, Cecil Walton was employed in a variety of tasks and roles. Beginning at the age of 14 as a Coca-Cola salesman to the workers of the foundry, Cecil rose through Bookkeeping, Shipping and Product Management to ultimately become President of the company. During his tenure as President, the ownership of the company decided to sell the foundry. In 1989, Cecil acquired the ownership of the foundry.

Within a few years, Cecil approached Victor Pais, President of Sigma Corporation, seeking a source for C153 Fittings and other items to compliment the foundry's production. Sigma, a relatively young company formed in 1985, was seeking to expand its presence in the Southeast. The combination of mutual needs led to a partnership for Russell Pipe to market and distribute Sigma products in the Southeast. In 1991, Larry Rybacki and his team of field salesmen joined the Sigma/Russell organization and sales began to burgeon. The growth of the Sigma line led to the closure of the foundry operations in 1993. Ultimately, the partnership between Russell Pipe and Sigma was consummated with Sigma's acquisition of Russell Pipe & Foundry in 2001.

Since 2001, Sigma has invested in its presence in the Southeast. The Southeast Sales and Distribution offices in Alexander City, Alabama have moved to a new, larger facility. In addition, Sigma has three satellite facilities operating in the Southeast: Rockingham, NC, Orlando, FL and Pensacola, FL.

Although the Sigma product line is broad, the company remains committed to its lineage of Municipal and Construction Castings. We believe this catalog reflects that commitment and hope that you, the customer, recognize this commitment with your patronage.

TERMS, CONDITIONS AND GUIDELINES OF SALES

1. All orders are subject to approval and acceptance by SIGMA Corporation.
2. **PRICES:** Prices are subject to change without notice.
3. **SHORTAGES:** All sales are F.O.B. Shipping Point. Any damage or shortage must be noted on the delivery bill of lading or our packing list and acknowledged by the delivering carrier's agent. **All claims for damage or shortage must be made in writing within 7 (seven) days of receipt of material.**
4. **DELIVERY OF MATERIAL:** SIGMA will make every effort to make delivery within time specified. Any delay in meeting shipping schedules will not make SIGMA liable for damages of any kind, liquidated or un-liquidated, including damages for loss of use.
5. **WARRANTY:** SIGMA gives warranty for material furnished under its trade names "SIGMA/NAPPCO" against any defects in material or workmanship subject to normal use, for a period of one year after date of shipment. SIGMA will replace the defective product at the delivery point or, at its option, repay price paid for the product plus any transportation charges paid by Buyer in addition to such price.

SIGMA is not responsible for consequential or incidental damages for loss of use, or any other damages whatsoever, in connection with the warranties set forth above or implied by law, or any purported negligence of SIGMA.

No terms or conditions, other than those stated above, and no agreement or understanding, oral or written, in any way purporting to modify these terms or conditions, whether contained in Buyer's purchase orders or shipping release forms, or elsewhere, shall be binding on SIGMA unless hereafter made in writing and signed by SIGMA'S authorized representative.

6. All sales, use, excise, state, local or similar taxes are the responsibility of the Buyer. In the event SIGMA must pay or collect such taxes, the Buyer agrees to promptly reimburse the same to SIGMA.
7. **TERMS:** All invoices are payable in net 30 days, unless other terms are explicitly mentioned in the invoices. A service charge may be added to all past due accounts.
8. Buyer may not return or cancel any part or all of the order without prior written authorization. There will be a minimum restocking charge of 25% for goods accepted for return.
9. Buyer will furnish and pay for necessary labor to unload and store material.
10. Please use Sigma's item numbering system in all your orders or inquiries to facilitate faster and easier processing.
11. Please try to order in Sigma's standard crate quantities, whenever possible, to facilitate quicker processing of your orders.
12. **Sigma is constantly adding newer sizes and items to its on-hand inventory available for immediate delivery. Please check with us for the update in availability when you put your list together - the items you are looking for may already be here!**
13. **FREIGHT TERMS:** The minimum order for freight allowed is 5,000 lbs. of fittings, with or without accessories.

(Manhole covers and valve boxes are not covered by these minimum freight allowed terms)

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SPECIFICATIONS FOR MUNICIPLE CONSTRUCTION AND UTILITY CASTINGS

1. GENERAL:

- Ⓢ All construction and utility castings shall be manufactured as per SIGMA drawings.
- Ⓢ The products covered under this specification include Heavy duty man hole covers & rings, Grates and Frames and Inlets and waterworks castings such as Valve boxes, curb boxes, meter boxes and lids.

2. MATERIAL SPECIFICATIONS AND GRADES:

- Ⓢ Gray Iron castings shall conform to the standard ASTM A48 to Class 30 and 35B as required and indicated in the individual drawings.
- Ⓢ Ductile Iron shall conform to ASTM A536 Grade 60-45-12.

3. DESIGN:

- Ⓢ Castings shall conform to the drawing requirements designed in CAD and the load rating confirmed through Finite Element Analysis.
- Ⓢ Castings shall be of uniform quality and free of foundry defects.
- Ⓢ Surface finish of the castings shall be within the acceptable limits. (Give some specs.)
- Ⓢ Tolerances on the castings shall conform to the standard tolerance for any Gray Iron casting.
- Ⓢ Casting weights shall be as specified in the drawing and shall be within the permissible limits of +/- 5% when otherwise specified where minimum weights must be maintained.

4. PRODUCT IDENTIFICATION & TRACEABILITY:

Each casting shall have Permanent Identification Number (PIN) integrally cast on it. This number shall indicate the plant, year, month, date and batch or pour number. All physical and chemical tests shall be recorded in the MTR (Material Test Report) database with the Permanent Identification Number (PIN). The Purchaser can request and obtain a copy of the MTR (Material Test Report) by referencing the PIN number on the casting.

Manufacturing Plants are to supply test bars selected on sampling criteria for physical and chemical testing to be conducted in the USA. These results shall be statistically verified against the original MTR.

5. COATINGS:

Unless otherwise specified, castings shall be coated with asphaltic bitumen coating material to a minimum thickness of 1 mil.

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SPECIFICATIONS FOR MUNICIPAL CONSTRUCTION AND UTILITY CASTINGS

6. **LOAD TESTING:**

Samples of heavy duty covers, rings, grates and frames and Inlets shall be drawn from daily production and shall be load tested according to AASHTO (American Association of State Highway and Transportation Officials) M-306 standard specified and H20 or HS20 loading whichever applicable.

7. **CERTIFICATIONS:**

Upon request Manufacturer shall furnish a notarized certificate of compliance, which references standards for each lot of castings delivered to the purchaser

8. **TESTING:**

Records of all testing shall be stored for a minimum of 1 year and made available to the purchaser upon request.

9. **MANUFACTURING:**

9.1. **GENERAL:**

- 9.1.1. Each manufacturing plant shall be accredited with QS 9000 or ISO 9001/ISO 9002 and the certification shall be in force at all times. Proof of such certification to be provided on purchaser's request.
- 9.1.2. Each manufacturing plant shall undergo an annual third party audit of its QS 9000 or ISO 9001/ISO9002 Quality process.
- 9.1.3. Each casting for USA will have the country of Origin Marked on the casting as per Customs rules.

9.2. **INTEGRATED TEST BAR:**

For Certain sample castings and on request, integrated test bar shall be cast on each casting to facilitate the purchaser to cut, inspect and verify the chemical and mechanical properties.

9.3. **QUALITY PLAN:**

Upon request of the purchaser, the manufacturer shall demonstrate to the Purchaser a well defined Quality Plan to monitor and assure consistency in the quality of the castings manufactured in its plants. It should also be able to authenticate it has its own technical staff at these locations to conduct PDI (Pre Delivery Inspection) as per the Quality plan. The quality plan should also demonstrate implementation of an IQC (Incoming Quality Control) plan within the USA.

General Information



Alexander City Customer Service Team (L-R)

Russell Axon, Scott Marlow, Kim Robinson,
Gloria Lamborne, David Swindell



Rockingham Customer Service Team (L-R)

Ramey Leviner, Richard Mabe



Carolina Sales

Kevin Pennington

THE TOTAL 'SIGMA' LINE CARD

Group A (AWWA FITTINGS)

1. Mechanical Joint Fittings*

- Ⓢ Compact, DI, 2" – 48" (AWWA C153)
- Ⓢ Full Body, DI, 3"-48" (AWWA C110)

2. Push-On Fittings*

- Ⓢ Compact, DI, 4"-24" (AWWA C153)
- Ⓢ Full Body, CI/DI, 4"- 24" (AWWA C110)

3. Flanged Fittings

- Ⓢ Full Body, DI, Flanged Fittings 2"-54" (AWWA C110)
- Ⓢ CI Flanged Fittings, 3" – 12" (AWWA C110)

*3" – 24" available with FBE coatings

Group C (PIPE RESTRAINT PRODUCTS)

PV-LOK (Serration Type Restraints)

PVM* Series: Pipe to MJ Bells

- Ⓢ 4"-48" Restraints for PVC Pipe with DI Pipe OD
- Ⓢ 2"-12" Restraints for PVC Pipe with Steel Pipe OD

PVP* Series: Spigot PVC Pipe to PVC Pipe Bells

- Ⓢ 4"-48" Restraints for PVC Pipe with DI Pipe OD
- Ⓢ 2"-12" Restraints for PVC Pipe with Steel Pipe OD

PVPF Series: Pipe to PVC Pressure Fittings

- Ⓢ 4"-48" Restraints for PVC Pipe with DI Pipe OD
- Ⓢ 4"-12" Restraints for PVC Pipe with Steel Pipe OD

*Our design permits use with DI pipe in 4"-16" range

ONE-LOK (Wedge Action Lug Type Restraints)

SLD* Series: DI Pipe to MJ Bells

- Ⓢ 3"-48" Restraints for DI Pipe
- Ⓢ 4" – 12" & 20" Available for Large Size CI Pipe OD
- Ⓢ 4" – 12" Split Restraints (under development)

SLC* Series: PVC Pipe to MJ Bells

- Ⓢ 4"-24" Restraints for PVC Pipe with DI Pipe OD
- Ⓢ 4" – 12" Restraints for PVC Pipe with Steel Pipe OD

SLDH Series: Spigot DI Pipe to Push-on DI Pipe

- Ⓢ 4"-24" Restraints for DI Pipe

*3" – 24" restraints are available in loose or packaged with MJ Gasket and T-head bolts & nuts. 30" – 48" available as a package only.

Group B (ACCESSORIES – PLUS)

1. MJ Accessories (Non-domestic)

- Ⓢ Gland Packs
- Ⓢ Corten Bolts & nuts
- Ⓢ Valve Packs
- Ⓢ BLUE Bolts & nuts
- Ⓢ Bolt Packs

2. Retainer Glands with Set Screws 3" – 48"

3. Threaded Flanges & Flange Adapters

- Ⓢ 3"-54" (for DI Pipe Fabrication)
- Ⓢ Drilled and Tapped Flanges
- Ⓢ 250lb Drilled Flanges
- Ⓢ Anchor Flanges
- Ⓢ MJ Bell Adapters – Threaded Bell + 2 FT PE Adapter

4. Flange Adapters (ZIP FLANGE) 3"- 48"

5. OMNI*SLEEVE (all-in-one patented wall sleeve)

Group D (MCC – MUNICIPAL CONSTRUCTION CASTINGS)

Municipal Castings (MCC)

- Ⓢ Valve Boxes & Service Boxes, risers and extensions
- Ⓢ Service Boxes & Curb Boxes
- Ⓢ Meter Boxes & Lids
- Ⓢ Manhole Covers, Grates, & Frames, Risers Rings
- Ⓢ Ornamental & Architectural Castings

Group E (EXTENDED PRODUCT RANGE)

1. Tie-Rod Accessories

- Ⓢ Duc lug
- Ⓢ Threaded Rods
- Ⓢ Eye Bolts
- Ⓢ Pipe Hanger and Clamps

2. Flange Packs

3. Pipe Lube

4. Hydraulic Cement

5. Detection Wire

6. Tape

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