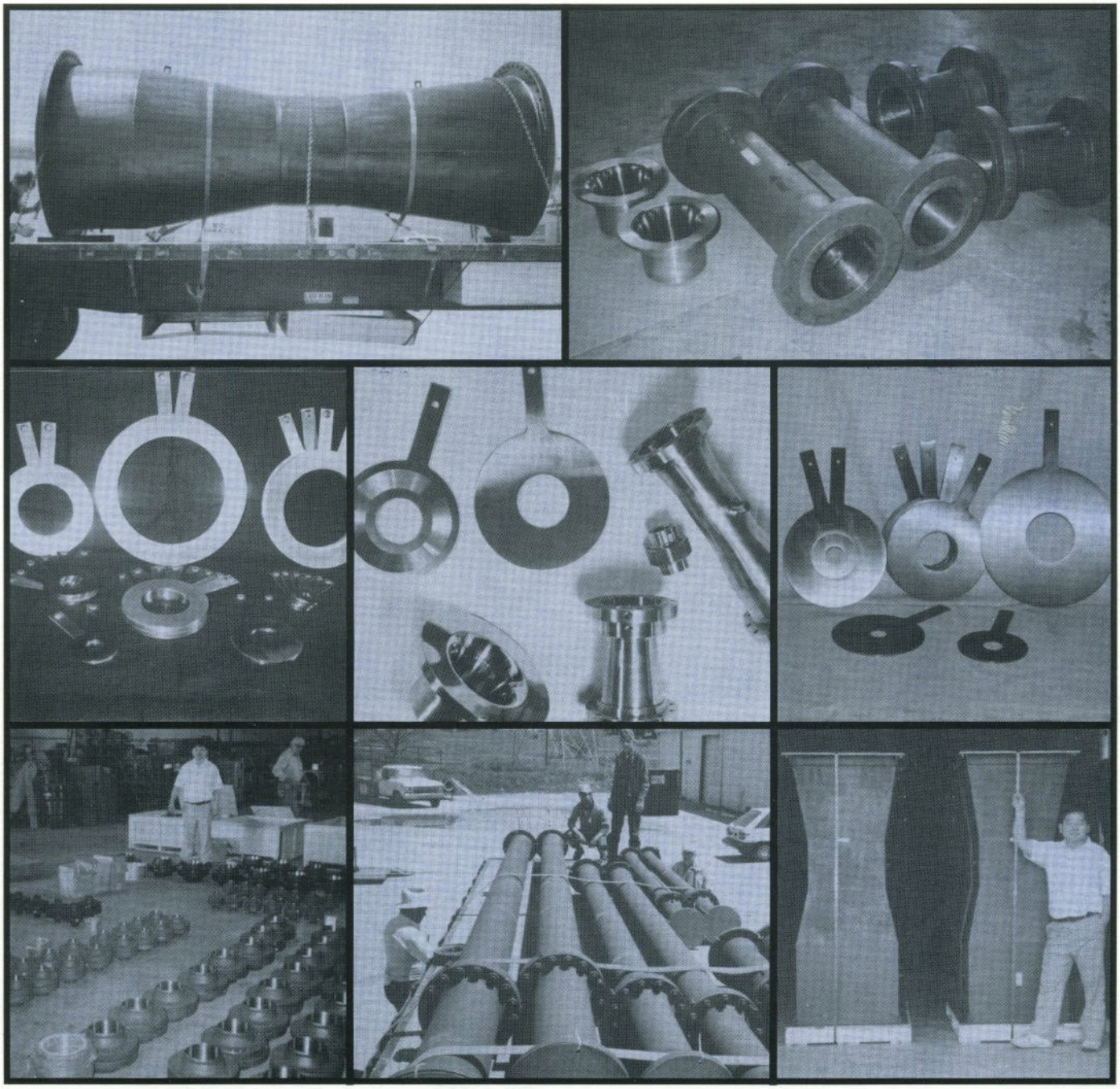
Flow-Lin CORPORATION

Manufacturers of Primary Flow Elements

General Product Guide



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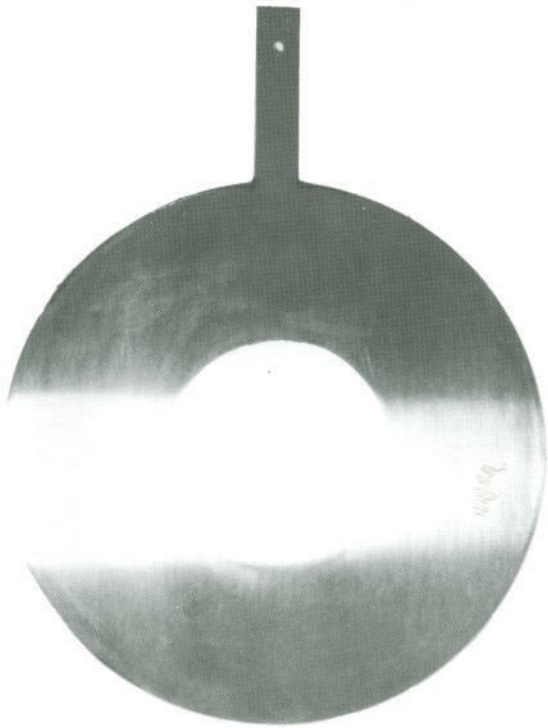
Flow-Lin is a thriving company dedicated to quality and precision. We carefully engineer and machine primary flow elements for clients in the industries of petroleum, water treatment, chemicals, and generator plants, whether fossil or nuclear fueled. In addition, we offer a complete line of flow accessories.

Flow-Lin has complete fabrication capabilities able to fulfill tasks requiring complex assemblies. State-of-the-art production techniques allow us to offer our customers responsive service. Experienced and certified personnel supervise all production to assure our customers the most reliable flow measurement equipment of the highest quality available.

ENGINEERING SERVICES

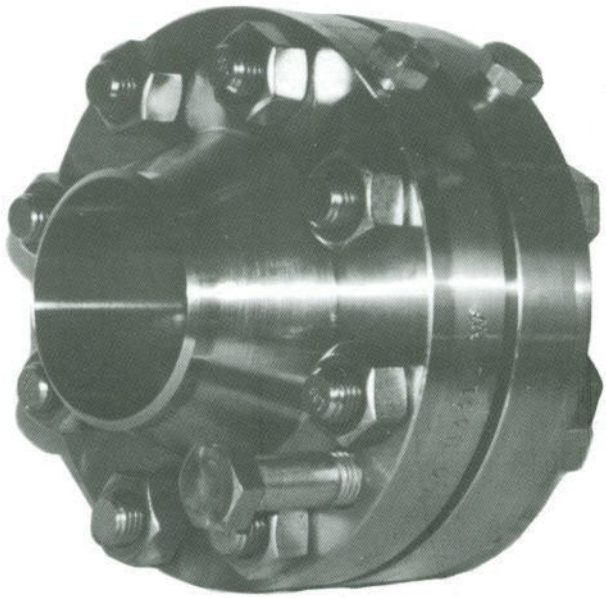
Flow-Lin provides numerous services for our customers including bore calculations, flow-versus-differential curves, temperature/pressure correction curves, cavitation analysis, and laboratory flow calibrations. Our engineering department welcomes the challenge presented by complicated flow problems found in liquids, steam, and gases. We also offer computer software for engineers to run bore calculations for orifice plates, venturis, or flow nozzles (U.S. or S.I. units). The software uses the latest ASME and ISO references to ensure the best calculation accuracy.



ORIFICE PLATES

Flow-Lin bores and sands its orifice plates to comply to the latest ASME, ISO, ISA, and AGA recommendations. Paddle type plates are for use with orifice flange unions, while universal type plates are for use in orifice fittings and plate holders.

In addition to concentric sharp-edged bored plates, we also can provide plates with eccentric, segmental, or quadrant-edged bores. For flow restriction, we design multi-staged orifice assemblies to minimize noise and eliminate cavitations. Virtually all sizes and materials are available to meet your needs and applications.



ORIFICE FLANGE UNIONS

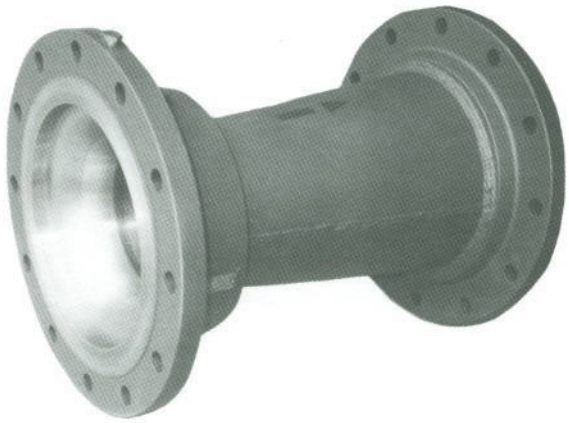
Flange-tap orifice flanges provide an economical and accurate means of flow measurement. We offer them in welding neck, slip-on, and threaded type using all materials in all sizes. These orifice flanges meet the recommended tolerances of ASME, AGA, and ANSI. We furnish them with stud bolts, nuts, jackscrews, and gaskets. For the ANSI 150# rating, we can provide corner-tap orifice flanges to reduce weight and cost.

FLOW NOZZLES

Flow-Lin designs and manufactures its flow nozzles in accordance with ASME and ISO recommendations to ensure a maximum accuracy in flow measurement. They are available in flanged, weld-in, and holding-ring types using pipe-tap or throat-tap designs. Standard materials are carbon steel, chrome-moly, and stainless steel.

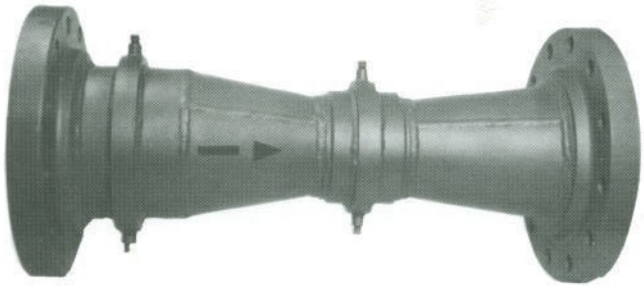
LOW LOSS FLOW TUBES

Flow-Lin low loss flow tubes offer the ultimate in simplicity and efficiency while allowing the lowest permanent pressure loss. These flow tubes also still provide high accuracy and wide rangeability. They are ideal for water and sewage treatment plants where low pressure loss is critical. The standard construction material used is carbon steel with a stainless steel or bronze liner. Furthermore, we construct these tubes as a flange-end, weld-end, or insert type. Laboratory calibration is available when our customers demand extremely high accuracy.



VENTURI TUBES

Our venturi tubes can measure the flow of almost all liquids, steam, and gases. We design and fabricate them using ASME and ISO recommendations to produce a specified differential for a designed flow rate to ensure a low permanent pressure loss, a wide rangeability, and an extremely high accuracy. Furthermore, flange-end, weld-end, or insert type venturis can be provided in carbon steel, chrome-moly, stainless steel, or other materials on request for all line sizes.

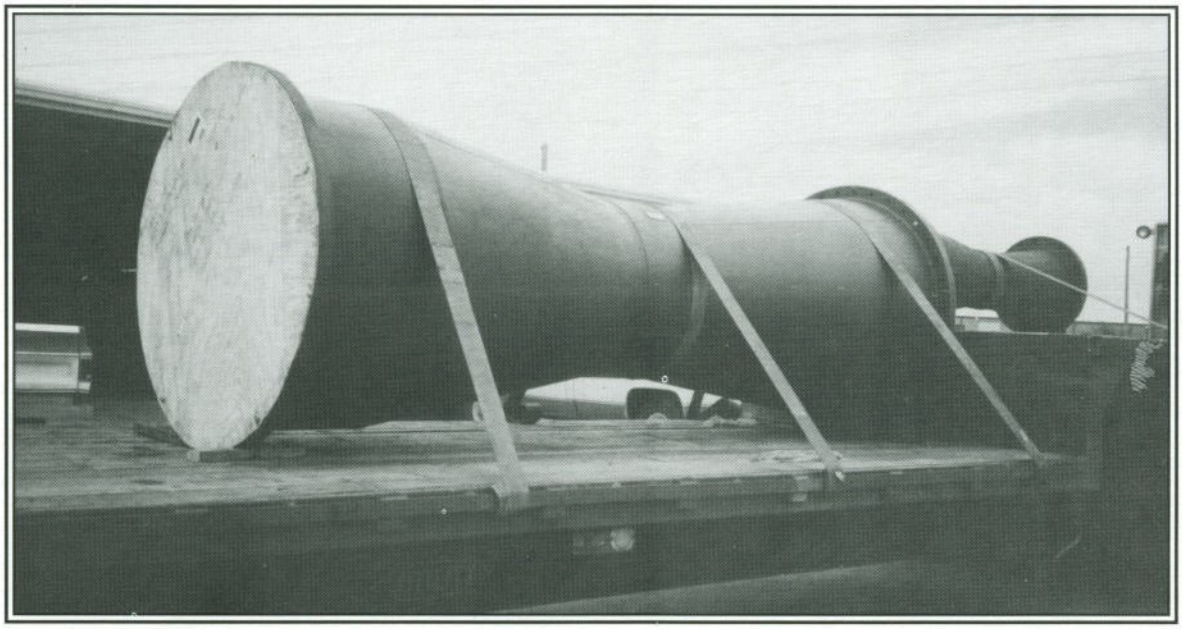


METER RUNS

Our meter runs offer the ultimate accuracy in flow meter sections. We combine concentricity of pipe, quality of welds, high tolerances of flanges, and precision machining of primary devices for reliable measurement. Flow-Lin can also fabricate meter runs to meet AGA or ASME Power Test Code (PTC-6) requirements.

ACCESSORIES

STRAIGHTENING VANES
RESTRICTION UNIONS
CONDENSATE CHAMBERS
HOLDING BLOCKS
ORIFICE PLATE HOLDERS
GROUNDING RINGS
SPECTACLE BLINDS
CLEANER ASSEMBLIES



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