



ITT

Fabri-Valve®

# Large Diameter Valves

SPECIFICATION AND CUSTOMIZATION GUIDE.



*Engineered for life*

**LDV/SC**

Revision 3

## Large Pipelines have their own unique challenges.

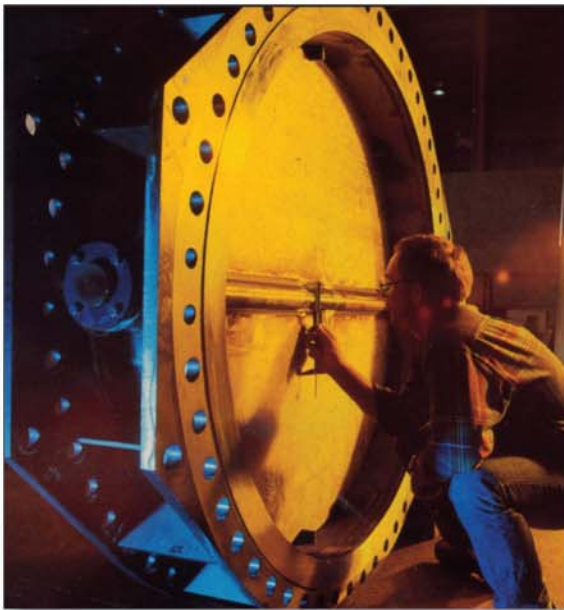
To someone outside the industry, the concept of a 96" diameter valve might be overwhelming. For you, it's another day at the office. Simple. You get out your valve supplier's catalog and flip to the 96" diameter valve page, right?

Not quite. We know.

## When it comes to custom fabrication, nothing can beat the Fabri-Valve® by ITT Engineered Valves Group (EVG).

There's nothing cookie cutter about custom. You know that. There's also nothing cookie cutter about valve suppliers. We know that. And we stake our reputation on that fact.

There are no off-the-shelf solutions to large valve requirements. Anything greater than 36" is a specification within itself. Different applications, different service demands. All



dictating special design considerations – even if they are being made for the same market. Sheer size adds another unique set of complexities to the design and manufacturing of large valves. And few valve suppliers have the skills to produce a consistently reliable product.

## It's what we do.

For some firms, large valve requirements don't come along every day. That's why it's so important to find a large valve supplier you can rely on. That's where ITT EVG comes in, with the knowledge, experience and facilities to be your source for reliable Fabri-Valve large valves.

## Thinking big is no small matter. It's the same when it comes to experience.

And experience is the key to success in manufacturing large valves. ITT EVG has an industry leading valve manufacturer for over 50 years. We've learned that there's more to building large valves than cutting and welding plate. We're masters at designing large valves that provide precise performance for specific applications. Liquid, slurry or gas — whatever the environment. Our skilled craftsmen (including welders certified to over 60 ASME weld standards) routinely render designs into reliable, high-performance finished valves made of virtually any weldable alloy.

## There's nothing run-of-the-mill about large valves.

Extraordinary consideration has to be made for forces, spans, deflections, loading seating surfaces, site constraints and media characteristics. That's why the valves that are used can't be ordinary either.

The Fabri-Valve brand has been synonymous with large valves for decades with bore diameters that range from 1-1/2" to 144". We've learned over the years that each valve has to be specifically designed and built to perform to the customer's specific service conditions.

From design through delivery, we focus on providing you with an extraordinary value in a valve that has the right design, the right price and the right delivery time. Because we're not limited by valve type, size or materials, we can provide a wide range of design



flexibility in our products. If you need a 48" valve rated for 15 psi, you'll get exactly what you need. And, importantly, you'll pay only for what you need.

We can design to fit your space envelope, using whatever valve type best fits your performance requirement – knife gate, wedge gate, slide gate, butterfly or check valve. Seating materials can be metal, elastomer, or plastic. Valves that can operate at pressures up to ANSI Class 300 and withstand temperatures up to 2000° F. And we provide you the most cost-effective operator mode for the application, whether it's hydraulic, electric or pneumatic.

## 100% tested. 100% of the time.

We test every valve we make to be sure it meets our quality standards and your performance criteria. Too much is riding on your investment to risk leaving anything to chance. Cycle testing, shell testing and seat testing are standard. And we will design additional specific testing procedures to meet special system design criteria. Testing that you can observe. In person or on video tape.

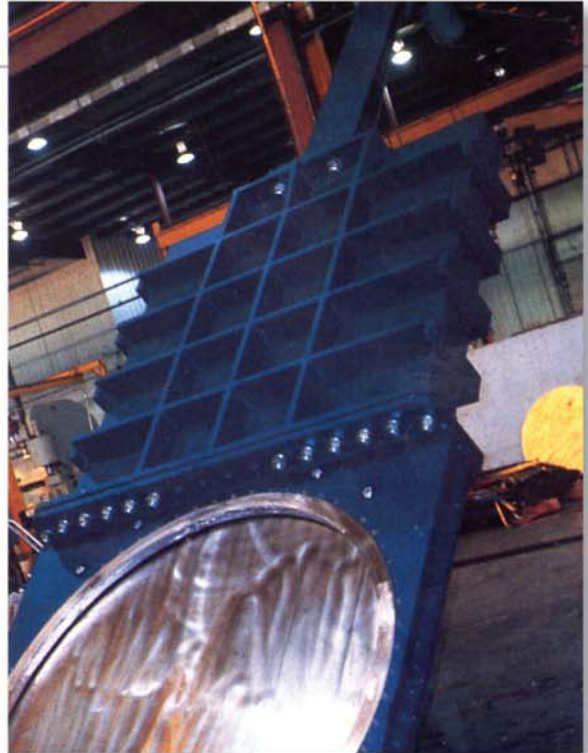
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Our world class manufacturing facility, with ISO 9001 quality certification, is equipped to provide all Certificates of Compliance or other testing documentation you may need.

And at the end of the process, ITT EVG will deliver a Fabri-Valve that will have 100% of the quality and reliability your job demands.

## Let's get started.

To assist you in developing your large-valve design, we've included a Large Valve Specification Worksheet that will lead you through each of the considerations. We are dedicated to providing you with the optimum valve design for your application, at a price we're confident you'll find equally appealing.



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## Engineered Valves Group

For more information contact:

**Engineered Valves Group**

1110 Bankhead Avenue

Amory, MS 38821 USA

Phone: (800) 541-1849

(662) 256-7185

Fax: (662) 256-7932

Website: [www.engvalves.com](http://www.engvalves.com)

E-mail: [engvalves.custserv@itt.com](mailto:engvalves.custserv@itt.com)



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