



## **THE “ALLWELD ADVANTAGE”**

### **The Allweld Tank Barrel**

The Allweld tank is synonymous with quality and durability. Our products are used extensively in taxing environments where the demands on equipment are extreme. Allweld customers recognize reduced operating costs and superior equipment utilization throughout the life of their equipment.

Most manufactures today utilize a “wrapped barrel design”. Essentially they place the head vertically and wrap the skin material around the heads. What this allows them to do is speed up the manufacturing process minimizing manufacturing cost. However, the downside to this process is that there is little compression between the head & skin surfaces. With less contact between the skin and head, the structure of the barrel becomes more dependent on the weld and less on the compression fit of the barrel. The aluminum weld fatigues before the core material resulting in more frequent equipment failure.

Allweld manufactures “pressed head” barrels. Essentially what this means is that the barrel is first made and then the internal heads and baffles are pressed into their final resting position. A pressed fit head ensures the heads & baffles become an integral part of the barrel as less stress is transferred to the weld.

Allweld also includes crossmembers under each head and baffle as well as reinforced sills to further fortify the barrel assembly. To the customer, this means better overall barrel quality and less chance of cracks appearing on the welds between the head & skin. Cracks lessen tank integrity causing leaks to emerge at the interstitial (void).

With Allweld’s 27 years experience, we know what it takes to built a tough, high quality unit.



## **Finding Advantage in the Details**

Allweld manufactures products to provide our customers with many years of trouble-free service. We are continually looking to improve the details of our units to provide both better value and quality to our end user. Details make the difference. For example, the extra effort we provide to give added value to our customers can be seen in our product piping. We pipe our body tanks with couplings every four feet. Although this takes longer we understand the operating cost savings to our customer after the unit is sold. Many manufacturers will fabricate long sections of pipe in solid runs. This decreases manufacturing time, however when service is required on the tank, the original product pipes may have to be cut out to be removed. New pipes will then have to be fabricated at a substantial cost and down time. As you look through the Allweld design, you will find many such design enhancements developed to help make the operation and service of our products much easier.

## **Service**

Allweld units are engineered and manufactured to minimize long-term total service and maintenance costs. We know that capital utilization is best achieved through maximum equipment up-time. Allweld warranty claims are the lowest in the business and our customers will tell you, that year-after-year, Allweld products meet or exceed their expectations. Service partnerships in all of our sales regions have been established to ensure that you get not only the best products, but the best after sale support.



## Engineering

Allweld's in-house engineering department can customize each product to your specific needs. We realize that not every customer faces the same demands in their respective businesses. We work closely with you to ensure that your custom needs are met during the design stage. We have the ability to quickly move ideas from the design stage, through our computer aided drafting and design systems to the production floor. This ensures you get what you want, when you want it.

## Options

Allweld has the ability to design and manufacture to your needs. All tanks are manufactured to TC306 standards (TC 406 beginning in August 2002). In the fall of 2002 Allweld will also begin manufacturing TC407 products. The following are just a few of the options that you will find on Allweld products:

- Available in a variety of head sizes including: 66", 74", & 79"
- Available in one to Five compartments
- Cabinets available in 72" to 96" (or customized)
- Bottom load rough in, standard equipment
- Hotshift PTO, standard equipment (body tanks)
- Betts or Nordic Internals
- Betts Manhole lids
- Betts or Nordic Vents
- Blackmer pumping equipment
- Liquid Controls metering systems
- Liquid Controls or Mid-Com fuel delivery computer systems
- Liquid Controls or Blackmer DMX III air elimination systems
- Nordic electric rewind hose reels

Call us today or talk to one of our distribution and sales agents to see how Allweld can design and manufacture products suited to your needs!

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