
Tarko inc

Custom Cooling Solutions



***Innovative Cooling Solutions
for the X-Ray Tube Industry...
and Yours***

The Tark, Inc. Advantage

- Expertise:**
 Tark Engineers have expert knowledge of the entire cooling system. By matching the pump, fan, heat-exchanger, and plumbing, we maximize flow rate and pressure while minimizing size, weight, and noise.
- In-house Manufacturing:**
 Our full service machining, manufacturing, and testing facility can fabricate your pump, or complete cooling system, from prototype to completed package.
- Custom Built:**
 All Tark pumps and cooling systems are built to your exact specifications.

Tark, Inc. Corporate Offices

Sales & Customer Service

Tark, Inc.
 657 Congress Park Drive
 Dayton, OH 45459

Phone: (937) 291-5783
 Fax: (937) 434-9077

Manufacturing

Tark, Inc.
 35 Dunham Road
 Billerica, MA 01821

Phone: (978) 663-8074
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www.tarkinc.com

INTO THE NEW MILLENNIUM

TARK, INC.

INNOVATOR AND LEADER

Tark Inc., formerly known as *The North Company* and *Tark Engineering*, has been providing state-of-the-art pumps and complete cooling packages to leading manufacturers in the CT and X-Ray tube industry since 1985. Under the dynamic leadership of Joseph McCarthy, the rapidly expanding facilities, and staff of innovative engineers, bear testimony to the quality of our products and commitment to service excellence.



OUR HISTORY

Since meeting at MIT early in their careers, company founders, Joseph McCarthy and Ferdinand Lustwerk, renowned mechanical engineers with vast experience in the heat transfer and fluid flow fields, have enjoyed a growing reputation and wide spread recognition for the development and manufacture of a variety of ground-breaking products, including pumps and heat exchangers. They have brought their knowledge to the design and manufacture of Tark's innovative, high-tech pumps and customized heat exchangers for X-Ray tube cooling systems.

OUR GOAL

Our primary goal is to consistently meet the

technological challenges of the new millennium by keeping abreast of developments and cooling requirements in the x-ray tube industry, to explore options and develop cooling solutions in other niche markets, and to continue to offer a quality product with service second-to-none.

Whatever your unique cooling requirement, Tark Inc. has the experience and expertise to design and build the quality cooling system to meet your needs.

OUR CLIENTS

Tark is proud to have custom designed pumps and complete cooling packages for the following x-ray tube industry leaders:

- | | |
|----------------------|------------|
| • GE Medical Systems | • Toshiba |
| • Varian | • Comet |
| • Dunlee | • Analogic |

MISSION STATEMENT

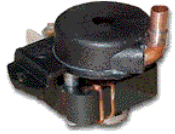
Our mission at Tark is to maintain our position as the World's Leader in the Design, Manufacture, and Refurbishment of Innovative and Cost Effective Cooling Packages by continuing our commitment to excellence in products, and most importantly, fairness and service to our clients.

MINIMIZE TO MAXIMIZE

Tark's innovative pump and heat exchanger designs combine minimal size and maximal cooling in packages that meet your flow rate and pressure needs.

While Tark can adapt our standard models to suit your needs, our unique talent lies in our ability to custom design and manufacture pumps and complete cooling packages to your specific requirements.

Tark pumps and heat exchangers are matched to the application to maximize performance and reduce size, weight, and noise.



Foot-Print: 2.5" X 2.75"



Foot-print: 16" x 24"



The Tark Pump Advantage

- **No Shaft Seals:**
Hermetically sealed pumps eliminate problems of leakage, contamination, power-robbing friction and wear
- **No Gaskets or "O" Rings:**
Housing are completely welded and factory tested to assure leak-free operation for the life of the pumps
- **Ideal For Clean Systems:**
Tark pumps are ideal for clean system applications where air and moisture cannot be tolerated in the pumped liquid
- **Quiet Operation:**
Centrifugal pumps generate less noise than gear pumps
- **Compact Design:**
Pumps are matched to the application to reduce both size and weight
- **Long Life:**
Centrifugal pumps last far longer than gear pumps

TARK: EVOLVE, ADAPT, MOVE AHEAD

Earning our reputation as the world's leader in cooling solutions for the X-ray tube industry required Tark to constantly evolve and adapt to the ever-changing needs of the industry. With the advent of micro-technology, machines that once filled an entire room became portable. As these machines down-sized, their need for more compact cooling packages that did not sacrifice performance, presented a challenge. Tark's innovative team of engineers was there to consistently meet that

need.

Our ability to maximize cooling efficiency while minimizing foot-print, noise, and weight, lends itself to applications in your industry as well.

Already at the forefront of cutting-edge cooling technology, Tark is moving ahead to identify the needs of the emerging industries of the new millennium and to develop new solutions to their unique cooling requirements.

DESIGNED AND BUILT FOR YOU

We realize that our standard pumps and cooling systems may require modification to fit your application, or that you may require a completely new design. In these instances our engineers are ready to meet with you, or review your drawings, to identify your specific size, weight, and cooling, requirements.

Our R&D team will then go to work to design your unique pump or entire cooling system. Once the design stage is

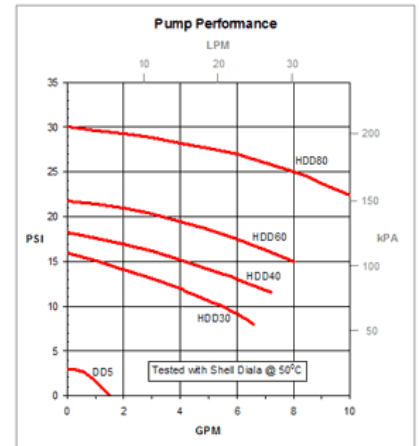
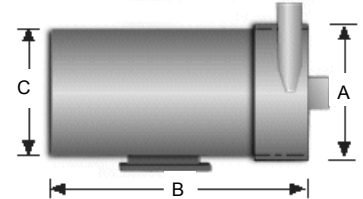
completed the drawings will be forwarded to you for approval. A prototype may also be forwarded upon request. Work will begin on the manufacture of your system as soon as you have approved the final design.

Turn-around time varies according to pump specifications. A *best-estimate* will be provided after we have reviewed your specs.

PUMP CHARACTERISTICS & DATA



Specifications			Dimensions		
Model	HP	Weight	A	B	C
DD 5.2	1/50	1.6 Lbs	4.00"	2.25"	3.38"
WRD 40	1/4	8.5 Lbs.	3.82"	7.45"	3.50"
HDD 60	1/4	8.5 Lbs	3.82"	7.45"	3.50"
HDD 80	1/3	8.5 Lbs	3.5"	7.55"	3.5"



Tark pumps are built with permanent split capacitor, 2 pole motors running at 3200 – 3400 RPM.

TARK AND YOU

Since 1985 “Tark” has been synonymous with CT and X-Ray tube pumps. We’ve earned the trust of the medical X-Ray industry; an industry where superior quality and dependability are not only required, they are essential.

Whether you need an individual pump, or an entire cooling solution, Tark will provide you with the same superior quality and dependability, packaged to meet your specific engineering and cooling needs.

Superior Quality – Dependability – Trust

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