



2380B WOB-L®



2755T WOB-L®



THOMAS
by Gardner Denver

Inventor of
WOB-L®
technology



2665P WOB-L®

Five operating
technologies
serve the
toughest market
applications



PUMPS WITH MORE...

- **Experience**
- **Choice and features**
- **Customisation**
- **Performance**

So **YOU DO LESS** and focus on your critical needs



6025SE Linear

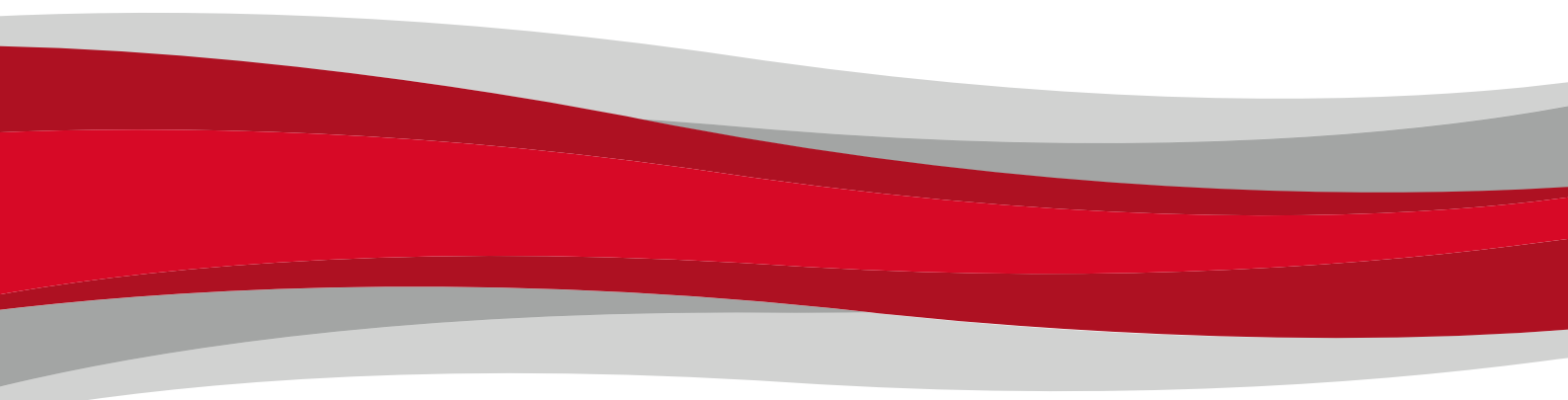


2668 WOB-L®

Over 50
standard
catalog series
platforms



TA Articulating Piston


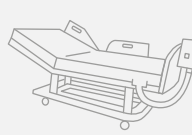





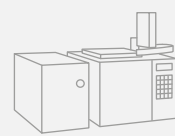



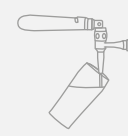


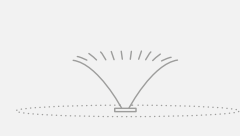




MORE EXPERIENCE

Thomas is the most comprehensive pump and innovative supplier in its class, with over 60 years' experience as a pioneering manufacturer of designing and developing customised pump solutions for OEMs around the world that improve lives each and every day.

Our one size does not fit all approach goes well beyond the stationary oxygen concentrator market that Thomas revolutionised in the 1970s with its invention of patented WOB-L® technology. We've been providing custom engineered solutions for a wide range of evolving Original Equipment Manufacturer (OEM) applications in medical, laboratory, food and beverage, environmental, and mobile markets for years.

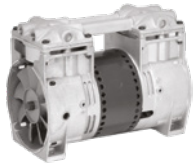
 Blood Analysers	 Air Mattresses	 Clinical Aspirators	 Optical Equipment	 Respiratory Equipment
 ENT Equipment	 Nitrogen Generators	 Mass Spectrometers	 Plasma Cutters	 Fire Suppression Systems
 Autoclaves / Vacuum Ovens	 Beverage Dispensing and Food Preparation	 Air Suspension	 Air and Gas Samplers	 Pond Aeration



A comprehensive combined knowledge of small and large pumps

You may know and trust Thomas for its brand of small pumps, but we'd like to talk about another segment of the Thomas family:

Thomas large pumps - **PUMPS WITH MORE**

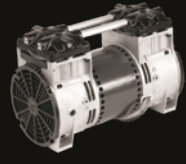


2660C WOB-L®

Customer requirement driven development



660C WOB-L®



2680CWW WOB-L®



2688T WOB-L®

Product series platforms designed for maximum flexibility while maintaining same footprint and external size

MORE CHOICE AND FEATURES

Our 0.07 KW to 1.50 KW large pump product range compliments our small or micro gas and liquid pump portfolio, making Thomas a one stop shop or the most comprehensive choice for OEMs.

Large pump performance range:



Pressure

Maximum continuous pressure: Up to 12 bar [175 psig]



Vacuum

Maximum continuous vacuum: Up to 99% local barometer



Flow

Open flow: Up to 283 l/min [10 cfm]

Large pump technologies:

5 operating principle technologies to choose from.



Articulated Piston

Well suited for applications that require higher pressures and proportionately higher flow capability.



Diaphragm

Durable diaphragm designs provide high efficiency, low sound level and good air tightness that adapt well to different gases.



Linear

A technology with fewer wearing parts that has very low pulsation, high efficiency and very quiet operation.



Rotary Vane

Oil-less and self-lubricating compact pumps and compressors that are nearly pulsation-free and in some cases reversible flow operation.



WOB-L® Piston

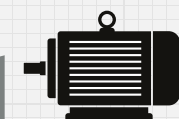
Best choice for pressure and/or vacuum applications that require compact lightweight designs and high performance piston seals.

Large pump motors:

Various motor types in AC, DC, or BLDC construction that can operate throughout the world.



0.07 KW (0.1 HP)



1.5 KW (2.0 HP)

Thomas Power:

The only compressors and vacuum pumps in the market with the Thomas Power motor advantage, delivering optimum variable speed performance to meet your specific application needs.





For 35 years, Thomas has been an integral part shaping what the oxygen concentrator market is today with their pump designs

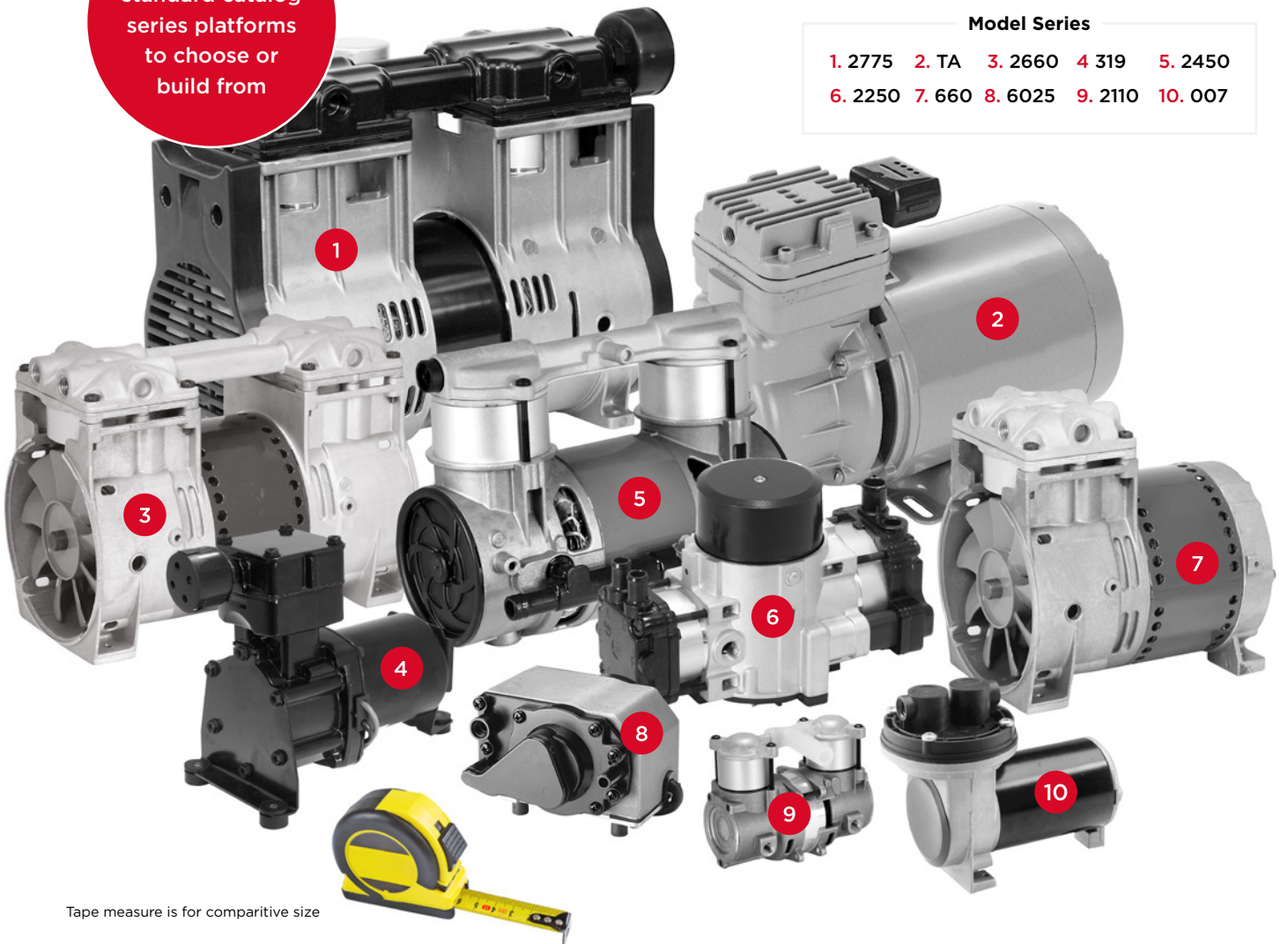
MORE CUSTOMISATION

Thomas offers the ability to extensively modify product configurations, resulting in a customised engineered solution that is uniquely tailored to your application and needs - **Your ultimate pump solution.**

- Decades of experience allow Thomas to leverage a vault of best practice design techniques that ultimately provide the customer a quality product as robust as our design/development processes.
- Configurable/modular design approach reduces time to market.
- Custom designs tested, and qualified per CE, TUV, UL, and CSA design specifications ensure a reliable, quality product that is manufactured and assembled to the highest standards.
- Custom engineered solutions - engineering talent, resources, and years of experience provide the customer a unique solution to their needs in a timely, efficient manner.
- Pumps undergo extensive lab testing and qualification prior to being released for production.

Over 50 standard catalog series platforms to choose or build from

Model Series									
1. 2775	2. TA	3. 2660	4. 319	5. 2450	6. 2250	7. 660	8. 6025	9. 2110	10. 007



Tape measure is for comparative size



MORE PERFORMANCE

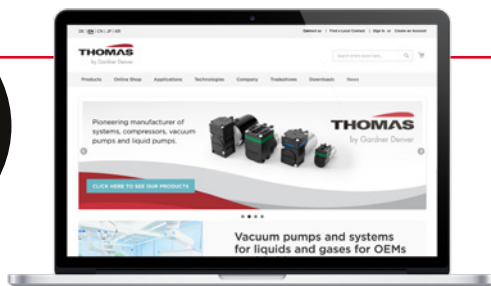
- Thomas is well versed in many different motor technologies, and specialises in brushless DC motor technology. Thomas Power motors and controllers – designed by Thomas – meet exacting specifications and requirements and deliver optimum variable speed performance to meet your specific application needs.
- Precision machined parts allow for quality assembly, consistent performance, and maximum life.
- Innovative high performance piston seals, diaphragms, rings, vanes depending on pneumatic needs.
- Thomas offers the broadest oil-less product range in the industry and can design an ideal, custom solution that can be prototyped and manufactured to meet your precise needs.

GET MORE. CHOOSE THOMAS.

- A development partner, not just a supplier – Thomas can assist with the product qualification, validation, and approval in the OEM end-use system.
- We understand the approval process of OEMs.
- Our design validation process, including an in-house agency test lab certified to UL, CSA, CE, and TUV, engineering test lab, sound test room, life test facilities and environmental chambers, enables the customer to minimise their time to market.
- Technical talent in multiple regions provides value add, cost containment, and flexible logistics.
- Key departments such as our own in-house aluminum die-cast facility, injection molding department and machine shop allow for quick response time and design control.
- Our sample lab can produce fabricated or 3-D printed prototype parts quickly.
- All manufacturing facilities are ISO certified.



MORE
is one click
away



Contact us today to discuss how Thomas can provide you a customised engineered solution for your specific application needs.

www.gd-thomas.com
www.trythomaspumps.com

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Please check out all our brands for your mission-critical flow control technologies:



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