

Welcome!

We are very excited to begin working with you!

At AMETEK Dynamic Fluid Solutions, we work closely with our customers to ensure that our products match your specifications. Our field sales engineers are available to provide you with expert assistance and evaluation to assure you that your new DurA-Tek Prime pump is performing properly and efficiently. AMETEK Dynamic Fluid Solutions has a long history of producing reliable products for the heavy-duty transit industry, and now we're bringing those products to you with the new DurA-Tek Prime booster pump.

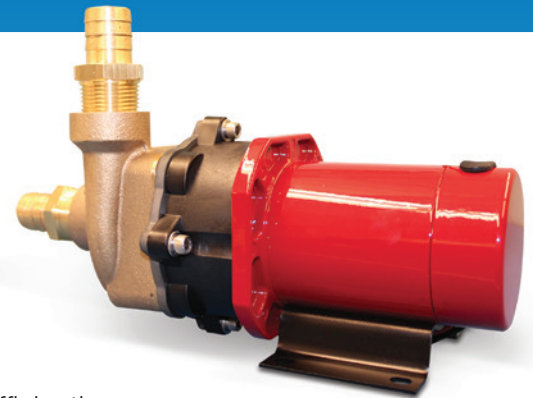
Designed for the school transportation industry, the DurA-Tek Prime pump delivers 40,000 hours of service life and a host of features, including brushless, seal-less motor technology, and plug-n-play mounting and connectivity for most applications.

The DurA-Tek Prime incorporates engineering that has proven reliable over decades of extreme heavy-duty use that allows the pump to operate in school buses virtually maintenance free for 12 years. The pump is built from components that routinely are found in heavy-duty transit applications, and is offered with a seven- year warranty when specified in a new bus procurement and three years as a replacement.

The pump's brushless, seal-less design offers leak-proof protection and the ability to resist harsh environmental conditions, such as hot water spray, salt, fog, shock, and vibration. The pump magnetically couples to its brushless DC motor without a wet seal to wear or replace. This coupling method also allows for easy motor removal without requiring system draining.

The pump's electronically commutated brushless motor features high efficiency and low current draw. It provides virtually maintenance free operation, eliminating brush maintenance and associated brush motor failure. Its construction meets the demanding needs of the school bus transportation industry.

With a long history in the heavy-duty transit industry, AMETEK ROTRON brand has distinguished itself globally as a leading supplier of custom designed, high-reliability motors and blowers. Those products are specifically designed for reliability and longevity in challenging environments. ROTRON pioneered in the 1980s the use of long-life and reliable brushless motors designed for the heavy-duty transit industry. Since then, we have continued innovating to provide the best products for the transportation industry.



DurA-Tek®
prime

Best Regards,

James Hill
Sales Director
AMETEK Dynamic Fluid Solutions

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www.sonnymerryman.com

Kirks Automotive

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Detroit, MI 48204

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www.kirksonline.net

Bus Parts Warehouse

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Syracuse, NY. 13206

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www.buspartwarehouse.com

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Harlow's Bus Sales, Inc.

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+1 253.740.1097

www.harlowbussales.com

Heavy Duty Bus Parts

17850 Interstate 45N

Willis TX 77318

800.505.2300

www.directbus.com

WHY CHOOSE DURA-TEK PRIME?

DurA-Tek Prime from AMETEK is a new coolant circulation pump for the school transportation industry. The pump features a magnetically coupled, seal-less design that eliminates leaks improving overall quality, reliability and long life. With a 40,000 hour design life and components routinely used in heavy duty transit applications, the school transportation industry will greatly benefit from the improved reliability and durability of DurA-Tek prime.



CUSTOMIZABLE FEATURES

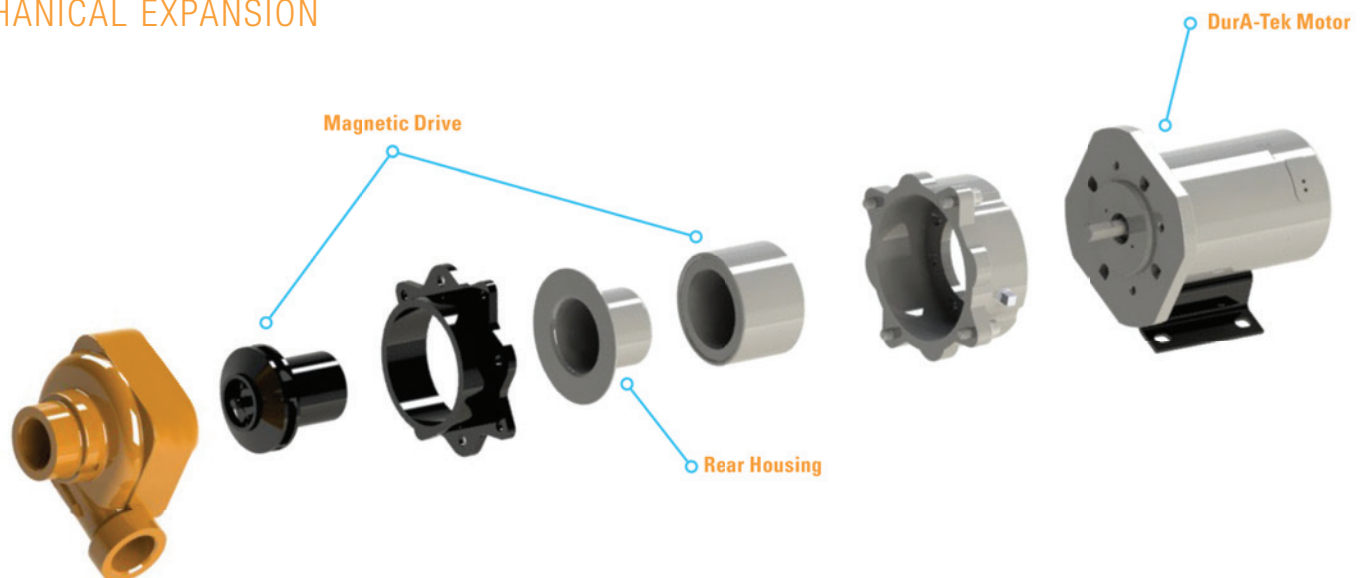
- Magnetically coupled, Seal-less design eliminates leaks enhancing pump reliability and durability
- 40,000 hour design life for maximum performance
- Plug-n-play mounting and connectivity for most applications
- Brushless technology yields increased ROI over brush technology
- Engineered to last 12 years virtually maintenance free
- Up to a 7-year warranty when specified in new bus procurement, 3 years as replacement

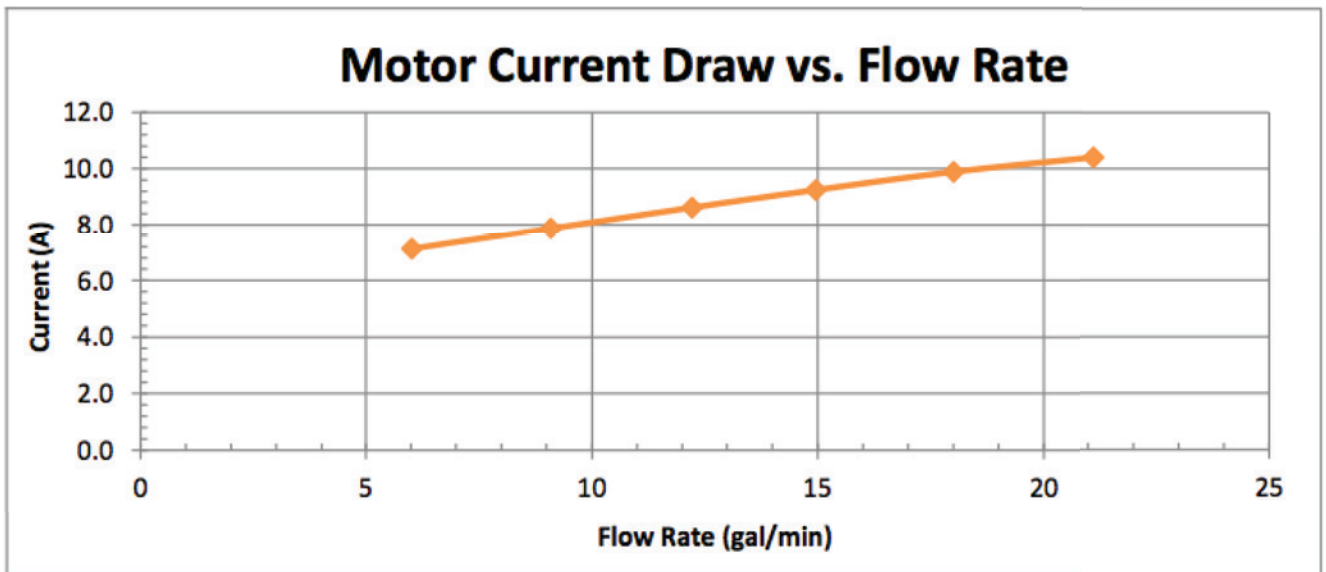
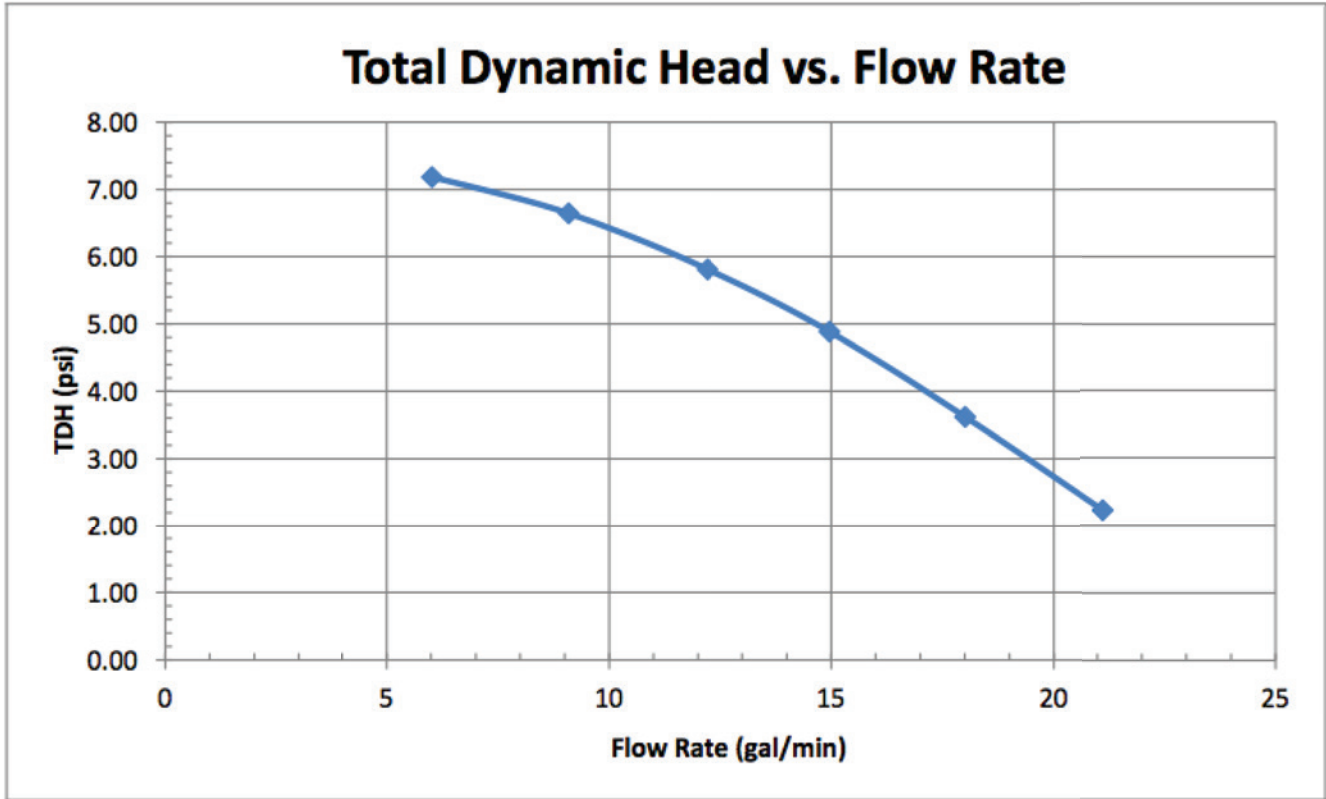
APPLICATIONS

- Designed for the school transportation industry



MECHANICAL EXPANSION





PLEASE NOTE:

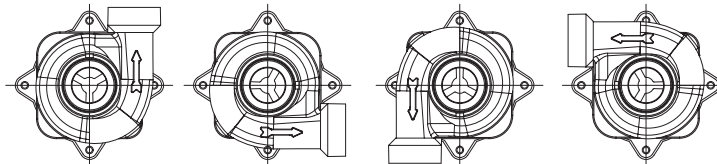
Any operating point that is on or under the maximum pressure or maximum flow is attainable by AMETEK DFS. If you have a point that is above the curve, talk to your AMETEK sales representative to find the correct product and solution to fit your application.

DIMENSIONS

DWG NO. **151216-X0-0**

NOTES: UNLESS OTHERWISE SPECIFIED:

- MOTOR HOUSING AND END CAP MATERIAL: ALUMINUM
PUMP HOUSING: BRASS.
- OBSERVE POLARITY. REVERSED CONNECTION WILL SHORT SOURCE, OPENING SERIES PROTECTION DEVICE (SEE NOTE 8). NORMAL OPERATION WILL RESUME WITH CORRECT CONNECTION AND RESET OF PROTECTION DEVICE.
- FAULT CONDITION - BELOW CONDITIONS WILL LOCKOUT OPERATION. REMOVE POWER (APPROX 10 SEC).
- LOCKED SHAFT
- OVER TEMPERATURE, INTERNAL GREATER THAN 115°C
- UNDER VOLTAGE, LESS THAN 11.0 VDC.
- REFER TO BLAST DIRECTION DETAILS FOR OUTLET ORIENTATION WITH RESPECT TO ASSEMBLY MOUNTING SURFACE.
- POWER TO BE SUPPLIED BY CLOSURE OF A "FAST ACTING" CONTACTOR, RELAY OR SIMILAR DEVICE TO ENSURE STARTING.
- OPERATION BELOW THIS LEVEL CAN NOT BE GUARANTEED.
- REQUIRED CLEARANCE FROM REAR OF MOTOR TO ALLOW REMOVAL OF MOTOR (WITH PUMP COUPLING MAGNET ATTACHED TO MOTOR SHAFT) FROM PUMP HEAD AT SEPARATION POINT INDICATED.
- AMETEK RECOMMENDS THE USE OF A SERIES FUSE OR FAST ACTING CIRCUIT BREAKER, ADEQUATELY SIZED TO PROTECT WIRING AND ELECTRONICS, BASED ON END APPLICATION.
- INSTALL AMETEK HOSE BARB FITTINGS, OR CUSTOMER SUPPLIED FITTINGS, PER INSTRUCTION SHEET 16-151216 SUPPLIED WITH PUMP.



151216-10
(12:00 BLAST)

151216-20
(3:00 BLAST)
SHOWN

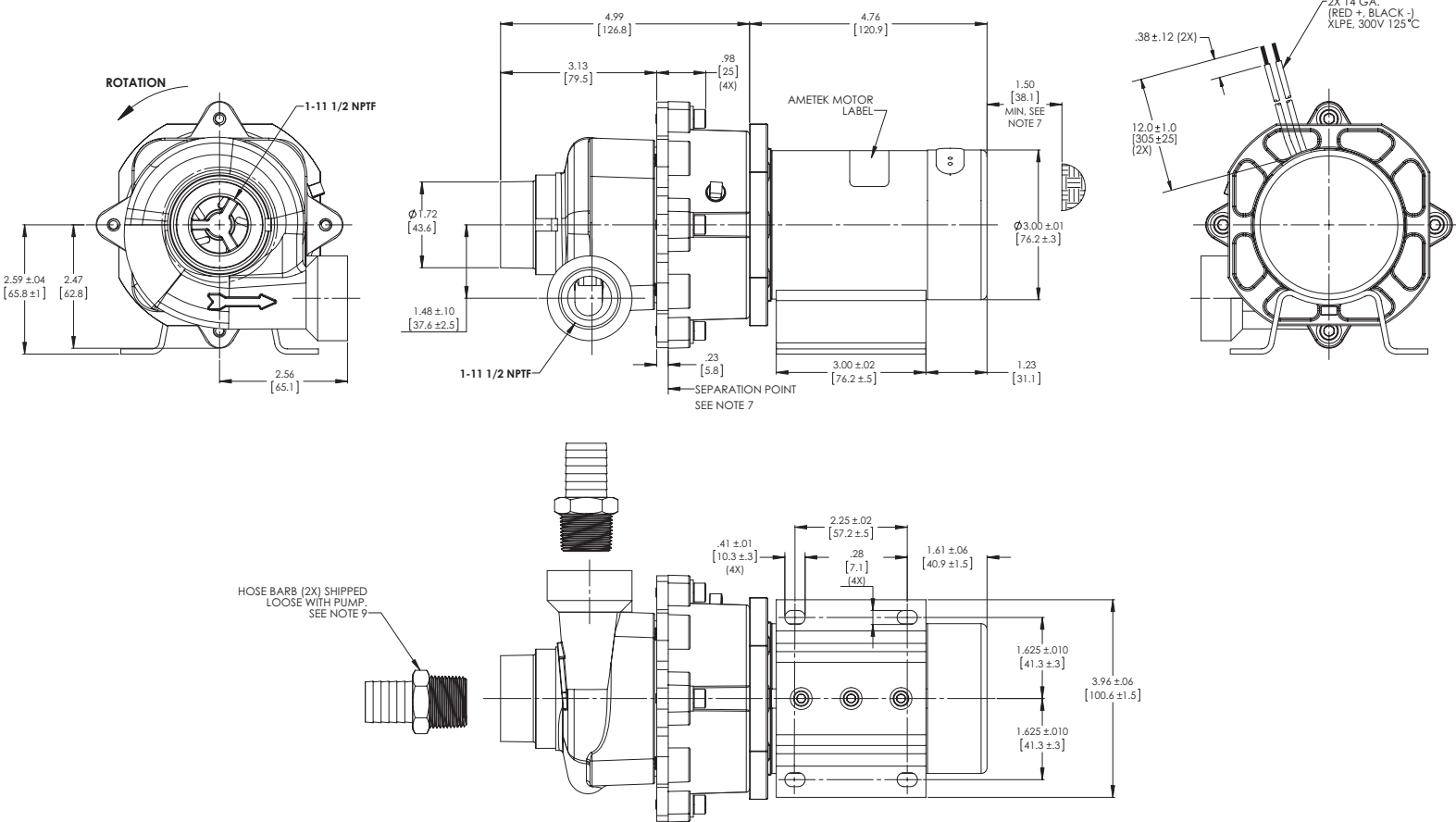
151216-30
(6:00 BLAST)

151216-40
(9:00 BLAST)

BLAST DIRECTION OPTIONS

NOMINAL RATINGS

VOLTAGE: 13.8 VDC
 VOLTAGE (INTERMITTENT): 11-18 VDC
 Δ VOLTAGE (ABSOLUTE MIN): 11.0 VDC
 FLOW: 1.6 GPM @ 4 PSI
 AMBIENT TEMP RANGE: -40°C TO +85°C
 CURRENT: 9.0 AMPS
 WEIGHT: 11.0 LB/ 5 kg



When Replacing Parts – Genuine OE or Alternative Supplier?

(As seen in Bus and Motorcoach News, November 2015 Issue)

No matter how well made the components in a bus or motor coach, eventually some will fail or wear out and require replacement. The easiest approach when that happens is to order the exact replacement for the OEM part number. But easiest and wisest are often not the same thing. Before you pull the requisite information off the label of the failed or worn out part and forward it to Purchasing, you should consider your alternatives.

Original Equipment Part or Alternate Manufacturer?

Generally, “genuine original-equipment parts” indicates a part that has been vetted by the original equipment (bus or motor coach) manufacturer. And the tendency is to think of that as the best available. However, when replacing that part, keep in mind that the OEM may have sourced parts of reasonable quality, but not necessarily the best quality available.

After all, most bus and motor coach manufacturers have to go through a stringent competitive bidding process before they are awarded a contract. So they must constantly balance component product quality with price to stay competitive.

That means, at the time of replacement, you may be able to source a higher quality component, improving its performance, extending its useful life and reducing future maintenance costs — if you’re willing to do some product analysis.

For instance, consider a replacement blower or pump. The original equipment may well include a brushless motor, considered a step up in quality from a brush-commutated motor. But not all brushless motors are alike. The model used by the OEM may be a bargain brand brushless blower or pump, rather than a premium-quality brushless blower or pump like ROTRON products from AMETEK Dynamic Fluid Solutions.

The AMETEK pumps and blowers would offer up to two or three times longer useful design life (40,000 to 60,000 hours, depending on model and application), better air or fluid circulation performance, and substantially lower future maintenance costs than the original equipment blower or pump.

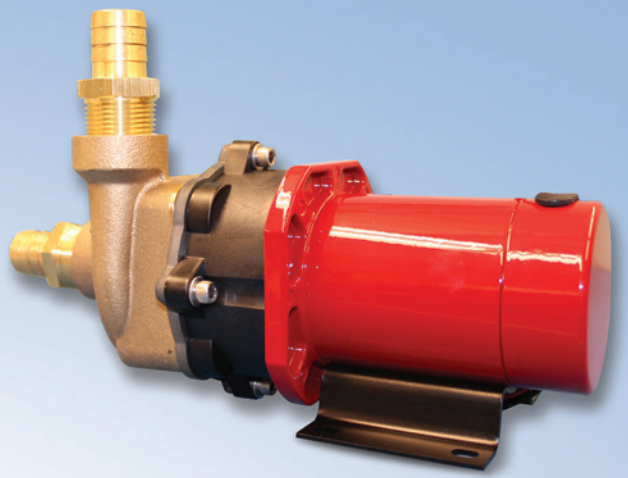
While the AMETEK product might require an initial price premium over the original equipment brand, total installed costs, including future maintenance and replacement product and labor costs, would likely be significantly lower if the premium AMETEK Rotron product were specified.

Manufacturers of premium products may also offer the kind of custom design that can be obtained from AMETEK. In cases where performance data suggests a modification of the design to improve performance in the field, or where fit or capacity could be improved, AMETEK engineers will work with the end user to develop a replacement blower or pump that will provide the expected improvements.

Investigation of replacement parts takes time and energy. Fortunately for the fleet operator, once that investigation has been done and a premium product identified, the result can be applied across the fleet, so the costs and manpower investment is amortized over a large number of vehicles and the cost advantages are thereby multiplied.

For more information about how this applies particularly to bus and motor coach blowers and pumps, visit www.ametekdfs.com.

Guaranteed not to miss the bus for 7 years.



Available now as a dealer-installed option.

DurA-Tek® brushless, seal-less booster pumps are the perfect replacements for conventional pumps. They're compact, easy to install, and maintenance-free. These pumps resist salt, shock, vibration, and more. DurA-Tek® features our 40,000-hour-life design and a warranty for up to seven years.* Built and backed by ROTRON—the brand bus and transit system fleets have trusted for more than 30 years. Get on board!

Visit us on the web at www.ametekdfs.com.

DurA-Tek®
prime

AMETEK®
DYNAMIC FLUID SOLUTIONS

KIRKS TRANSIT
FLEET
EQUIPMENT

* When installed in new buses; otherwise, three years as replacement.

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