

## Blackmer® Introduces SX1B-DEF Series Sliding Vane Pumps In 110-Volt and 12-Volt Versions

Grand Rapids, MI, Sept. 28, 2017 – Blackmer®, part of PSG®, a Dover company and a global leader in positive displacement pump, regenerative turbine pump, centrifugal pump, and reciprocating compressor technologies, is pleased to announce the release of the SX1B-DEF Series Sliding Vane Pump. Effective immediately, Blackmer is accepting orders for both the 110-volt and 12-volt versions. Initial orders will ship the week of Dec. 18, 2017.

The SX1B-DEF pumps have been designed to meet the stringent handling requirements of Diesel Exhaust Fluid (DEF). All materials are either DEF-approved or have been tested to ensure there is no fluid contamination or leeching into the DEF fluid.

The SX1B-DEF pumps, which have been upgraded from previous models, retain the compact footprint, but include several improvements and features when compared with competition:

- New Zytel® plastic rotor
- Duravanes
- C-Face pump mounting
- Commercial mechanical seal
- Motor options
  - 110-volt – 50 & 60 Hz dual rated motor.
  - 12-volt
- Porting options
  - 1" NPT tapped ports
  - 1" BSPP tapped ports

The addition of a 12-volt motor option allows the SX1B-DEF pump to be truck-mounted and used for fleet refueling. Several trial pumps have been running in the field for almost two years.

The users of those pumps praise the reliability and longevity of the SX1B-DEF pump when compared with competitive models that often fail within six months. These truck-mounted pumps use eyelet motor connections with recommended 6 AWG wire no longer than 20 feet. This ensures that the motor gets the proper voltage to deliver up to 10 gpm (38 L/min) up to 25 psi (1.7 bar).

One unique feature of both the 110-volt and 12-volt pumps is the use of a 316 stainless-steel motor shaft as the pump shaft. The Zytel rotor is then installed on the motor shaft and locked to the shaft with a grub screw.

SX1B-DEF literature and pricing is now available on Blackmer's website under the Literature Tab – Spec Sheet, Performance Curve, MOC, IOM and parts list.



SX1B-DEF 12-volt motor



SX1B-DEF 110-volt motor

### Introductory Promotion

From now through Dec. 31, 2017, Blackmer is offering an additional 10% discount off the normal net price of SX1B-DEF pumps. First shipments will be week of Dec. 18, 2017



PSG  
1809 Century Avenue SW  
Grand Rapids, MI 49503-1530 USA  
P: +1 (616) 241-1611 F: +1 (616) 241-3752  
blackmer.com



## **Frequently Asked Questions:**

- 1. Will there be training?**
  - a. There will be a Global SX1B-DEF Training Webinar. The date for the training webinar will be determined soon and a notification announcement will be sent in the near future.
- 2. Why is Blackmer selling a 1" DEF pump?**
  - a. For many years, Blackmer has sold larger DEF pumps – STX2, STX1220 and STX3 pumps. These pumps cover flow rates that range from 25 gpm (95 L/min) to 250 gpm (946 L/min). The lower 10-gpm (38 L/min) flow rate of the SX1B-DEF pump completes the product line and allows Blackmer to offer a pump to be used with totes and fleet refueling.
- 3. Are there other motor options?**
  - a. No. The ½-HP Totally Enclosed Non-Ventilated (TENV) motor provides the horsepower required to meet the flow rate and pressure of the SX1B-DEF pump.
- 4. Can the pump be used in 50 Hz applications?**
  - a. Yes – the motor is dual rated for both 60 and 60 Hz installations.
- 5. What is the first shipment date?**
  - a. The first shipments will be the week of Dec. 18, 2017. The time between now and then is considered the preorder period, where a 10% pricing discount is available. This discount will continue through Dec. 31, 2017.
- 6. What about Spare Parts?**
  - a. Wearable parts are identified on the SX1B-DEF parts list.
- 7. What are the top selling features of the new SX1B-DEF pumps?**
  - a. Longevity – long pump life means less customer downtime
  - b. 316 stainless-steel construction that meets DEF requirements
  - c. Small, compact design
  - d. 1,750-rpm motor speed capabilities
- 8. What does the SX1B-DEF nomenclature mean?**
  - a. S = Stainless-steel construction
  - b. X = External bearing – the SX1 uses the motor bearing
  - c. 1 = 1" tapped ports
  - d. B = Current engineering level – second generation
  - e. DEF = Diesel Exhaust Fluid
- 9. Will the motor housings be painted?**
  - a. The motor housings will be painted by the motor manufacture. Blackmer will not repaint the motors.
- 10. What is the warranty on the SX1B-DEF pump?**
  - a. Blackmer's standard warranty applies – 12 months from time of installation or 18 months from factory purchase.
- 11. Can I enter orders via the portal?**
  - a. Not yet. During the preorder period, please direct all purchase orders to your dedicated Customer Care Representative.

If you have additional questions, please contact your Regional Manager or go to [blackmer.com](http://blackmer.com). Blackmer is a product brand within PSG<sup>®</sup>, a Dover Company. For more information on PSG, please go to [psgdover.com](http://psgdover.com).

### **Blackmer Vane Pump Product Management Team**

Scott Jackson – Transport & LPG | [scott.jackson@psgdover.com](mailto:scott.jackson@psgdover.com)

Ron Crouch – Compression | [ron.crouch@psgdover.com](mailto:ron.crouch@psgdover.com)

Geoff VanLeeuwen – Process/Industrial | [geoff.vanleeuwen@psgdover.com](mailto:geoff.vanleeuwen@psgdover.com)