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MMEI Introduces Large Capacity Molten Metal Circulation Pump

BIGFOOT offers more flow at lower RPMs than competitive pumps

Middlefield, OH (July 26, 2016) – Molten Metal Equipment Innovations (MMEI) introduces the Bigfoot circulation and gas injection pump. Bigfoot was developed out of client needs for increased flow during molten metal circulation, but with reduced size. Bigfoot achieves the same flow rates as larger pumps, but does it more effectively and efficiently.

With its patented 14” rotor, 4” diameter shaft and 28” x 31” footprint, Bigfoot is smaller than others on the market with similar rotor size, but returns more impressive flow rates. The rotor size was strategically chosen to compete against the big boys. And with its hardened refractory tips cast into the leading edges of the rotor blades, it was designed to optimize flow while protecting the rotor from damaging debris, in turn allowing for passage of furnace debris and extending the service life.

Bigfoot was engineered to be easy to install and service. Protected with a thicker improved RHINO sleeve, this new material offers increased protection against abrasion and oxidation, improved thermal and mechanical shock strength, and increased service life. With a self-centering keyed shaft, the Bigfoot runs true. Three 5” diameter graphite posts provide a secure foundation for mounting the pump and cemented thru-holes in the base allow for easy replacement. An open motor mount allows for ease of shaft changes.

“After listening to our customers and evaluating today’s pump market, we designed Bigfoot to be compact, easy to use, and offer improved performance over other pumps available,” says Paul Cooper, founder and president of MMEI. “Bigfoot is priced very competitively, offering a pump that has less maintenance and lower overall operating cost,” states Paul.

If gas injection is required, the improved angled gas tube design is more efficient than traditional vertical tubes. The patented angled tube design requires less pressure and eliminates the need for a long tip, which can easily break off during circulation. Plus, the motor mount can be rotated 90 degrees in all directions so that air inlet can be conveniently placed.

About Molten Metal Equipment Innovations – MMEI headquartered in Middlefield, OH, is the leading expert in molten metal circulation, transfer, and treatment technologies. MMEI solves metal transfer challenges with innovative products, an experienced sales and service team, and custom solutions to improve molten metal flow performance. With 30 years of proven applications throughout North America, Europe and Asia, MMEI provide the best possible value in custom flow solutions and support in the industry. The performance-focused culture at MMEI drives our team to help customers improve their overall metal process, save energy costs, and limit down-time.

For more information, visit www.mmei-inc.com.



Pictured - Bigfoot Circulation Pump with Gas Injection from MMEI

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