

## CIRCULATION, TRANSFER AND GAS INJECTION PUMPS



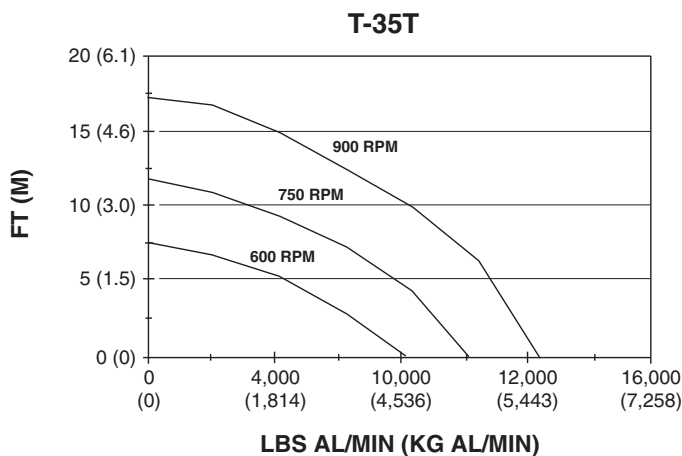
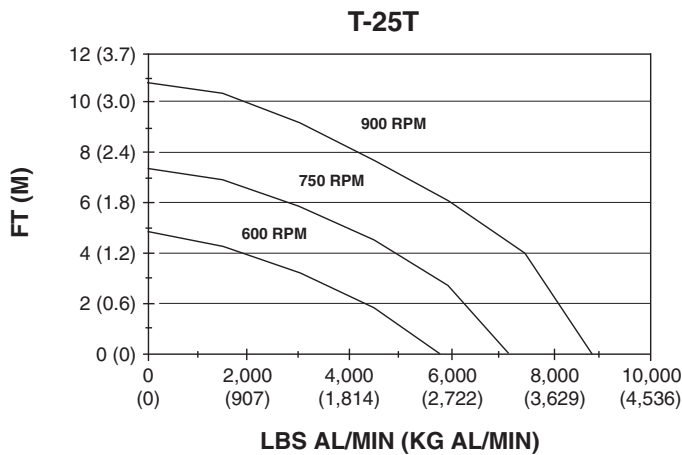
Tensor pumps combine ceramic and steel with an improved design to increase reliability of molten metal pumps. Traditional graphite pumps must be rebuilt about three times per year when the graphite posts become oxidized or broken. Replacing the posts with a stronger material that won't oxidize extends the life of the pump. Fewer rebuilds mean lower costs and less labor to maintain pumps.

This patented technology is centered around a high temperature alloy steel rod loaded under tension. The Tensor rods hold the ceramic posts in compression to maximize their strength. Fragile ceramic sleeves are no longer needed to protect graphite posts from oxidation and abrasion. Ceramic sleeves can also hide post oxidation which could result in unexpected failures. Not only are the ceramic posts stronger than graphite, if they do break, the base is still supported by the steel rods.

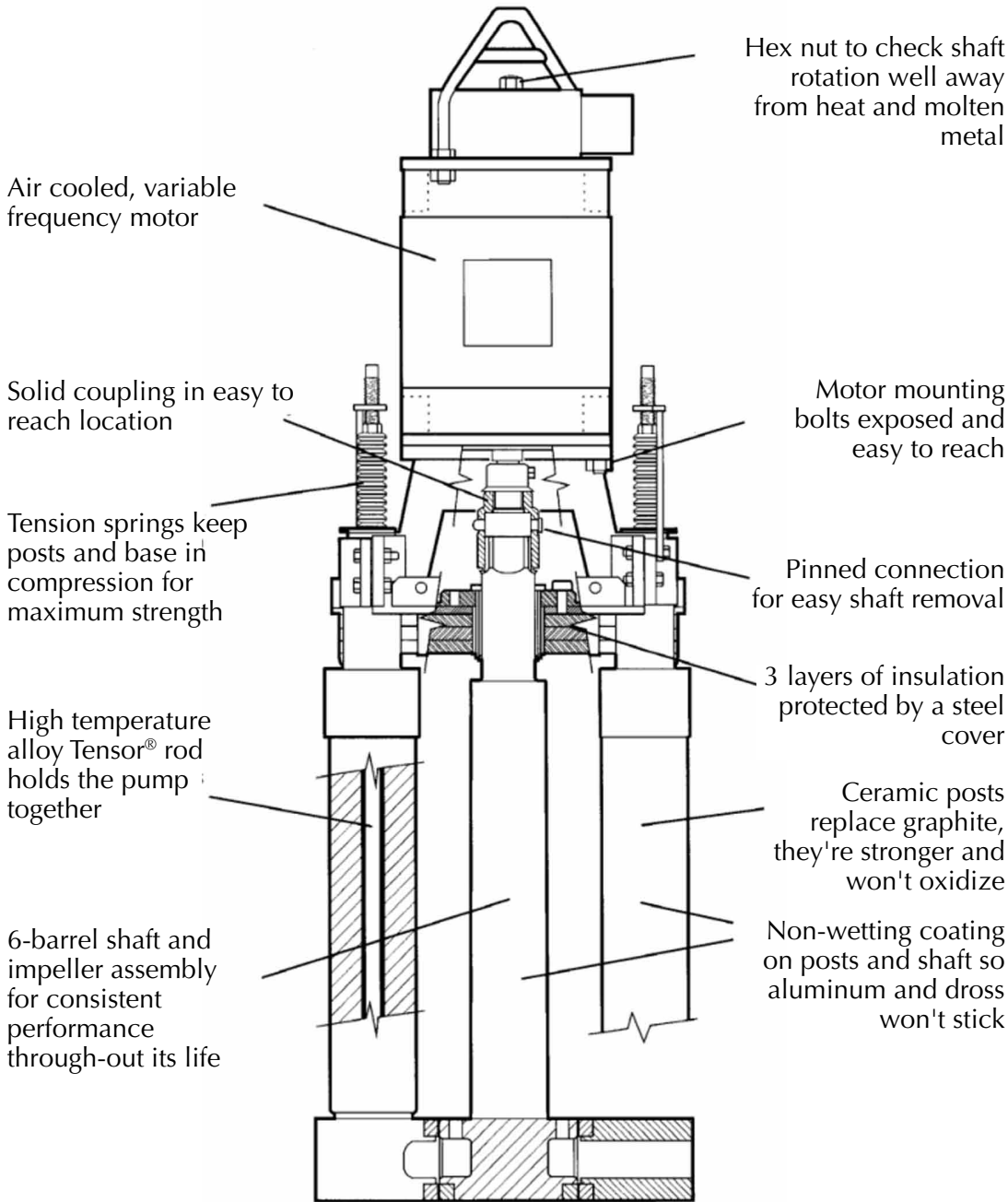
### ADVANTAGES

- Replace graphite posts with ceramic and steel
- The most cost-effective way to circulate or transfer molten aluminum in most applications
- Uses a low cost ceramic
- Reinforced by high temperature alloy steel rod
- Holds ceramic in compression for maximum strength
- Posts won't oxidize
- Tensor posts are stronger than graphite
- Base is stronger than a conventional base

### METALLICS T-SERIES™ TRANSFER PUMP HEAD AND FLOW RATES



PUMP MODEL	RATED FLOW
T-10T	430 kg/min (948 lb/min)
T-18T	1360 kg/min (2998 lb/min)
T-25T	2270 kg/min (5004 lb/min)
T-35T	3630 kg/min (8002 lb/min)



T-25T Transfer Pump



T-35SD Circulation Pump



T-10 TTransfer Pump



T-45CGI Gas Injection Pump

Tensor® is a registered trademark of Pyrotek Inc.

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

**Product Type: 154**

**Commodity Code: 26154**