



TENSOR PUMPS

CIRCULATION, TRANSFER AND GAS INJECTION PUMPS

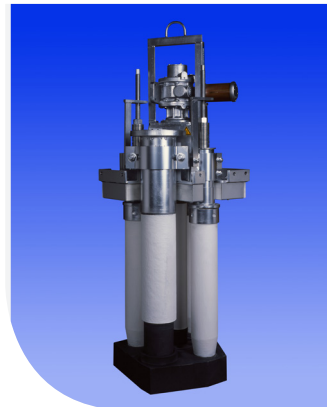
Pyrotek Tensor® pumps have a patented ceramic and steel design that increases their reliability in circulating, transferring and gas injection molten metal applications.

The pump's Tensor rods are high temperature alloy steel loaded under tension. By holding ceramic posts in compression to maximize their strength, these posts are stronger and more durable than their graphite counterparts. Tensor pump rods do not require ceramic sleeves to protect graphite posts from oxidation and abrasion, and if they do break the pump base is still supported by steel rods.

Traditional graphite pumps are rebuilt approximately two to three times per year because of broken or oxidized graphite posts. Replacing the posts with a lower oxidizing material extends the life of the pump, lowers repair costs and reduces maintenance labour. The pump shafts are treated with Pyrotek NOX to reduce oxidation.

BENEFITS

- Cost-effective way to circulate or transfer molten aluminium
- Compressed ceramic post tensor pump rods for maximum strength
- Tensor posts and pump bases have a standard 12-month operating life



T-25T Transfer Pump



T-35SD and T-35SDX
Circulation Pumps



T-10T Transfer Pump



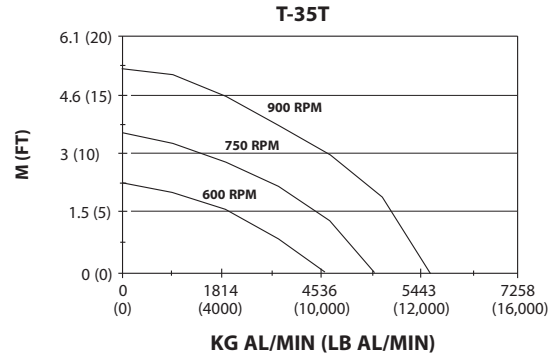
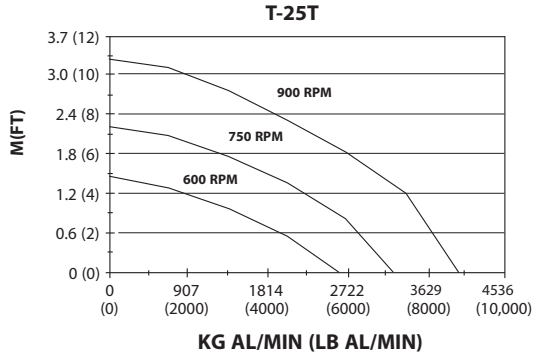
T-45CGI Gas Injection Pump





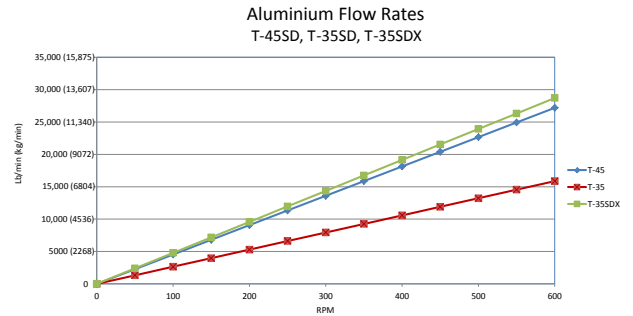
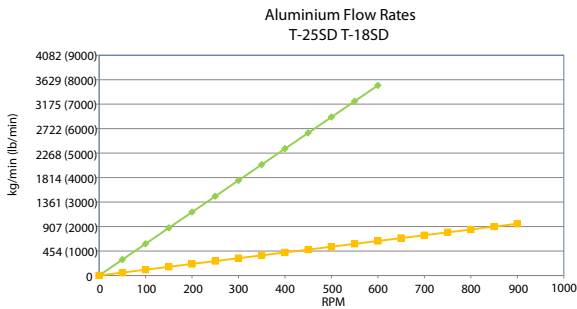
TENSOR PUMPS

T-SERIES TRANSFER PUMP
HEAD AND FLOW RATES



Pump Model	Rated Flow – kg/min (lb/min)
T-10T	430 (948)
T-18T	1360 (2998)
T-25T	2270 (5004)
T-35T	3630 (8002)

CIRCULATION PUMPS



Pump Model	Nominal Furnace Size – kg (lb)
T-18SD	4536 (10,000)
T-25SD*	11,340 (25,000)
T-35SD*	27,216 (60,000)
T-35SDX**	48,823 (90,000)
T-45SD*	40,823 (90,000)

* Also available as a gas injection pump.
** Same compact footprint as the T-35SD with twice the flow.

