

An introduction to... The Scorpion

Eleet Cryogenics, Inc. is bringing out a new product this year called the Scorpion, a portable/delivery unit. The Bolivar-Ohio based company is the exclusive North American stocking partner and sales channel for Taylor-Wharton Malaysia's microbulk tanks, atmospheric bulk tanks, and vacuum jacketed carbon dioxide (CO₂) tanks. Eleet's capabilities includes repair, but it is also capable of producing new products. We caught up with Doug Morton, Vice-President of Sales at Eleet, to find out more about the Scorpion.

What has been keeping Eleet busy during Covid-19? Were you involved in any projects at hospitals you can tell us about?

Doug Morton (DM): Our business has been very busy with our technicians working overtime to be able to satisfy the demand for medical bulk oxygen systems. We have shipped many bulk tanks, micro-bulk tanks, medical manifolds, and vaporizers to permanent as well as temporary hospital sites across the US.

What is the Scorpion (and link to Gorilla)?

DM: One of the products that many distributors were familiar with were the Gorilla portable units that West Cryogenics built, which Eleet acquired in early 2019. The new unit is called the Scorpion and is a 900g tank mounted on a trailer with a vaporizer, and dual final line regulation assembly with an integrated torch manifold.

What was the inspiration in bringing the Scorpion to market?

DM: In addition to the many portables

that Eleet owns and are available for lease by the month, we also get inquiries for units to purchase. This demand led us to develop the Scorpion.

What are the key advantages to the Scorpion, and what makes it unique?

DM: The Scorpion is built to last and will perform very well for many years. We could have built it cheaper, but not better. We offer the largest pressure building coil that will build pressure rapidly as well as maintain high pressure during high flow gas applications. It is stainless steel lined for durability when traveling over the road. The large, low profile, durable vaporizer on this unit is rated for 7,500 scfh. This unit is unique in that it offers a dip tube, which allows for use of up to 95% of the product and can economize at high efficiency using the head pressure in the gas flow.

We have minimized fittings and use welded pipe and valves to be more robust and minimize leak paths for the

long term. The dual final line pressure regulation assembly with integrated torch manifold is stainless steel, which we have extensive experience in manifolds as a leader in those products. The tank fill line sizes are large diameter to reduce time when filling. The trailer is powder coated versus painted, which is longer lasting. It includes levelling jacks for the trailer. This unit can haul liquid and be used for temporary gas use applications or operate as a liquid delivery unit.

How long has it been in the making/ was launch delayed by Covid-19?

DM: This unit was designed with the same mentality as our other products, build a high quality, high performing, robust unit that is easy to maintain and offer it at a fair price. This was not delayed and we plan on having many of these available for 2020. We have delivered one unit on a chassis, and have another trailer mounted unit built ready to sell, with many more available. [gw](#)



1. Leveling jacks
2. Robust piping and components
3. 900 gallon Taylor Wharton SI-CGA-341 250 MAWP
4. 7.5K high flow vaporizer
5. 1' Dual SS pressure reducing manifold
6. 6 valve distribution header
7. SS lined high capacity pressure build coil