

A BOTTLE OF AIR TO GO PLEASE

Every day they risk their lives to save our homes and property, our places of work or our dried forests and woodlands, as well as our own lives and that of family and friends. Since our national tragedy of three years ago, we have rightly recognized our firefighters across the country as heroes. With their lives in jeopardy at any given

“The ST1W has added value as well as reduced cost to Bauer while providing greater flexibility and better control . . . Ogura is proud to be a part of this system.”

moment while fighting a fire, it is of the utmost importance these men and women deserve the best, most technologically advanced equipment available.

We all know that when a firefighter enters a burning building an air tank is necessary for him or her to complete the task. However, when a fire is particularly large or is out of control, the tank's capacity may not be enough to allow the firefighter to remain on the scene. So what happens then?

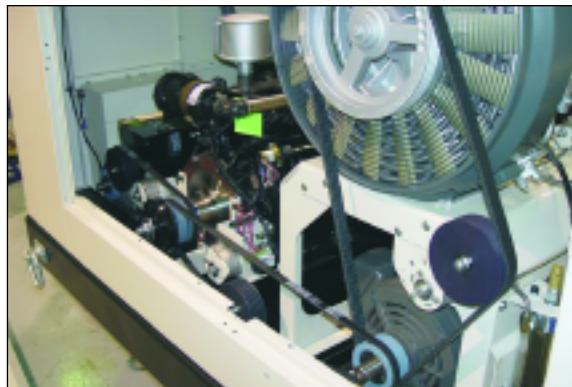
Bauer Compressors of Norfolk, Virginia manufactures an integrated breathing air system mobile trailer which allows fire companies to refill breathing air bottles on location. The application of this product is very wide – potentially from city streets to national parks to presently on military air bases to our soldiers overseas. This product also has appli-



The Bauer Breathing Air Mobile Trailer System

cations for scuba diving as well as for search and rescue operations that take place underwater.

The DDTR Mobile Trailer Systems feature a dual drive of diesel (Mitsubishi 37hp engine) or electric power, depending upon the energy source available at the scene.



Clutch/belting system allows diesel, electric or generator power to be used independently

The system also includes a generator to power scene lighting and any additional electrical devices.

In Bauer's previous system, a centrifugal clutch had been used to allow the operator to switch from electric power to diesel or vice versa. As the system became more advanced technologically, they found the centrifugal device difficult to control, as well as being



Cutaway view of the Bauer Breathing Air Mobile Trailer System

quite costly. They approached Ogura Industrial for a better solution. After evaluating speeds, loads and duty cycles, the MA-GT-ST1W mobile/general purpose clutch was selected. The electric clutch is mounted to the diesel engine, which is belted to the electric motor, and in turn is belted to the compressor. This allows the operator to drive through the electric motor and still run the compressor while in diesel mode, but eliminate the engine while running the electric motor. An additional belt allows the diesel to run the generator without running the compressor, something the centrifugal device could not accomplish.

The ST1W has added value as well as reduced cost to Bauer while providing greater flexibility and better control. The clutch is rated at 250 ft. lb. of torque and features a mounting hub for the pulley or sheave of the customer's choice. Ogura is proud to be a part of this system. To learn more about our General and Mobile product line, as well as our Industrial and Lawn and Garden products, we invite you to visit our web site at www.ogura-clutch.com.