



# Super Fire Knocker ICS Type 3 Engine

## I. General

The "Fire Knocker" is a self contained "slip-on" tanker unit. Although first designed in 1975 to be mounted on a medium duty range chassis, modifications and improvements on the original design have facilitated the need to publish the following current specifications of the new "Super Fire Knocker."

## II. Tank Construction Features

Tanks are constructed of 3/16" steel. Tanks are painted externally to suit customer color preference while the insides are coated with a poly based lining to ensure longevity. Ladder and dump tank brackets are provided as an option. Tanks are vented internally to allow for 1100 GPM minimum dump rates through a 6" jet dump system. A raised inspection plate offers access to all baffled compartments to allow for inspection and maintenance. Tanks are baffled to meet current NFPA specifications.

## III. Optional Tank Capacities

We offer the following to address your water hauling needs:

- 1000 gal. - 7 ft. wide X 9 ft. long X 2 ft. high
- 1250 gal. - 7 ft. wide X 12 ft. long X 2 ft. high
- 1600 gal. - 7 ft. wide X 12 ft. long X 2 1/2 ft. high
- 2000 gal. - 7 ft. wide X 12 ft. long X 3 ft. high
- 2500 gal. - 7 ft. wide X 12 ft. long X 4 ft. high
- 3000 gal. - 7 ft. wide X 14 ft. long X 4 ft. high

## IV. Pump

The pump currently offered on our Super Fire Knocker is the Darley model 2 1/2 AGE, powered by a dependable 54 or 48 HP Isuzu liquid cooled - diesel engine. Priming the pump for drafting operations is accomplished utilizing a Class A capacity electric, oil less, rotary vane priming system.

Certified Pump performance ranges from draft:

- 250 GPM @ 150 PSI
- 175 GPM @ 200 PSI
- 125 GPM @ 250 PSI

Tank to pump flow is 300 GPM at 150 PSI minimum.

## V. Control Panel

A convenient control panel houses lights, off/on switches, pressure/intake gauges, tachometer, hour meter, vernier, twist type throttles and other devices necessary for fire operations. Electric tank level indicators (lights) are standard.

## VI. Intake

*Akeron full flow ball valves are utilized throughout to provide for maximum performance!*

The intake system is designed to utilize water from dry hydrants, wet hydrants, lakes, ponds, or other pumping units. Tank to pump intake valving is 2 1/2". Suction hose, 3" with 2 1/2" couplings, is supplied as 2, 10 ft. sections with strainer for hook up on a single 2 1/2" swivel intake.

## VII. Discharges

Water may be discharged from the pump through a variety of valves mounted on a stainless steel manifold. A single 2 1/2" discharge, functions as a supply to other units. Tank fill is 1 1/2" to allow for maximum GPM flows. A 1 1/2" pre-connect, 1" electric booster reel, and garden hose connection round out the Super Fire Knocker's discharge capabilities.

## VIII. Refurbish, Repair and Chassis Selection

Through the Georgia Forestry Commission's Rural Fire Defense Program, repairs and refurbish services are available, but limited to fire fighting units originally manufactured by the Commission. Repair, replacement and upgrade of tanks and pumps continue to be one of our most popular services.



*For more information, contact your local Georgia Forestry unit!*

*Additional contact information:*

*Emily Hamilton*

*RFD Program Manager*

*Phone: (478) 751-3504*

*Fax: (478) 752-1194*

*E-mail: [ehamilton@gfc.state.ga.us](mailto:ehamilton@gfc.state.ga.us)*

*Rural Fire Defense personnel are available to assist you with chassis specifications to ensure that your water hauling/pumping requirements can be addressed in a safe and efficient manner.*