



## SPECIFICATIONS – SLIDE-IN CAFSYSTEMS: 70-35-GP

### Slide Into Enhanced Portable Power

The 70-35-GP is a slide-in, modular, portable compressed air foam unit designed and constructed to discharge water, foam solution or compressed air foam. The system develops a minimum of 70 GPM of water at 100 PSIG (265 L/min @ 6.9 bar) and 35 CFM of air at 100 PSIG (0.9 m<sup>3</sup>/min @ 6.9 bar) simultaneously and compressed air foam discharge pressures up to 130 PSIG (9 bar).



#### Pump and Transmission Specifications:

##### Pump:

Hypro centrifugal water pump utilizing close-grained iron case, reinforced nylon impeller, stainless steel shaft and maintenance-free mechanical seal.

##### Intake:

1-1/2 inch

##### Discharge:

1-1/2 inch

##### Priming:

Pneumatic oil-free primer capable of priming the water pump through 20 feet (6 m) of 2-1/2 (63.5 mm) inch hard intake hose with a 10 foot (3 m) lift. Controls are mounted on the operator's panel.

##### Transmission:

"Poly Chain" drive with an automatic tensioner and 8mm pitch sprockets.

#### Engine Specifications:

Briggs and Stratton Vanguard model 380447, two-cylinder, air cooled, sintered iron cylinder liners delivering a maximum of 23 horsepower (17.2 kW), 627 cc displacement, four-cycle, gasoline fueled. Two (2) year manufacturer's warranty.

##### Fuel System:

The engine draws fuel from a fuel tank (not supplied) via a pulse fuel pump.

##### Lubrication:

Pressure lube system with spin-on oil filter. An extension hose is installed on the engine oil drain with a valve located at the oil pan and a plug installed in the end of the hose to facilitate oil changes.

##### Electrical:

12-volt electric with 20A alternator, electric ignition and start switch.

##### Exhaust:

Spark arrestor muffler

#### Approximate Dimensions and Weights:

Length (in/cm)	Width (in/cm)	Height (in/cm)	Dry Weight (lb/kg)
33.0 (84)	40.0 (102)	33.0 (84)	550 (250)

#### Frame / Pump Operator's Panel:

##### Frame:

High-strength, welded tubular steel frame provided to support and contain the entire CAFS unit. Constructed of 1-1/4" tubing with radius corners and a durable corrosion-resistant powder coat finish.

##### Pump Operator's Panel:

Incorporated into frame. Contains Auto Sync™, air compressor, foam proportioner controls, and water pressure and air pressure gauges.

#### Industry-Leading Sales and Support

When you purchase Waterous equipment, not only do you get quality products, you get quality service. Our expert service technicians are the best in the business and they are always happy to answer any service questions you might have.

##### Sales/Applications Assistance

Phone: 651-450-5234 (Press 3)  
pumps@waterousco.com

##### Service Assistance

Phone: 651-450-5200  
Fax: 800-488-1228  
service@waterousco.com

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### **Air Compressor:**

The air compressor is an 4-cylinder reciprocating type that is rated at 35 scfm (.9 m<sup>3</sup>/min) equipped with a low oil pressure warning light.

### **Auto Sync Balancing System:**

Automatically maintains the air pressure within +/- 5% of the water pump pressure throughout the pressure range. The Auto Sync Balancing System is located on the operator's panel and allows for the following modes:

- Automatic - Air pressure matched to water pressure
- Fixed - Air pressure defaults to manual setting on compressor mounted control valve.
- Unload - Air pressure reduced to 40 psig (2.8 bar) for standby operations
- Run - Air compressor in run operation. Air pressure determined by Auto or Fixed setting.

### **Air Lines:**

All air lines are rated to a minimum of 250 psig (17.2 bar). Air line fittings are constructed of brass, bronze or steel. Stainless steel or brass check valves are provided at all air injection points to prevent water back-flow into the air lines. All hoses shall be secured to the frame with insulating clamps and located away from any heat sources.

### **Plumbing:**

#### ***Inlet:***

Inlet piping is 1.5" brass-bronze pipe with a 1.5" tank to pump valve controlled at the pump panel. A 1.5" valve with integral bleeder valve is provided behind the pump panel for overboard pump inlet with a 1.5" F-NST connection.

#### ***Discharge:***

Plumbing to one 1.5" discharge outlet incorporates Class 1 high-pressure hydraulic hose with stainless steel fittings. A 1" tank fill provision with 1" valve is provided. All discharge plumbing is designed and tested to a minimum of 500 psig (34.5 bar) burst pressure.

#### ***Drains:***

Panel mounted drain valves are provided to drain water from the water pump, discharge manifold and compressor cooler.

#### ***Foam Proportioners:***

- FoamPro 1601 Proportioner with 1.5" paddlewheel (Class A foam only).
- Aquis™ Foam Proportioner with operator interface terminal (OIT), pump module with electric motor/motor driver and microcontroller unit, foam concentrate strainer, shielded electrical cables for connection of all electronic components, foam inject check valve, WYE Strainer and flowmeter and tee - 1.5" ID

#### ***On-Site Delivery Instruction (Optional):***

Contact factory for pricing.