



FOAM PACKAGING SYSTEMS

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## SPECIFICATIONS

### E-Z FLOW 'STREAMER' LIGHT DUTY SYSTEM

#### System Requirements:

Electric Power: 110 volts at 15 amps  
(standard 3-prong grounded wall receptacle)  
Compressed Air: 90-120 PSI, 3-4 CFM, with filtration and dryer

#### Components:

- Electronic Control Circuit, mounted in housing on back of Dispensing Gun, powered by Switch Box mounted on hoses. Control Circuit controls hose temperatures, with digital display of actual and set temperatures for both hoses; temperature adjustable from 80-170 degrees F
- Heated Hoses, one each for "A" (isocyanate) and "B" (polyol resin), 1/2" I.D., braided stainless steel over Teflon, 20 ft long, with coil heater the full length of each hose, #8 JIC swivel fittings to attach to Gun
- Dispensing Gun, with rebuildable Cartridge Assy (see below), impingement mix, air actuated, consisting of three subassemblies: Handle Assy, Valve Block Assy, and Air Motor Assy. Weight of gun is 2 lbs 14 oz. Designed for fluid pressure of 200-300 PSI. Primary material: black anodized 6061 aluminum
- Cartridge Assembly for Dispensing Gun, fully rebuildable, standard orifice size .040", several other orifice sizes available from .020" to .060". Standard ratio is 1:1, custom ratios available up to 3:1. Design life is 12,000 to 15,000 shots. Housing material is 303 Stainless, mixing chamber is of special grade Teflon, and valving rod is hardened stainless steel, ground and polished
- Drum Pumps, 2" diameter, air actuated, inserted into drums, stainless, 2:1 ratio (100 PSI air input, 200 PSI fluid output), made by IPM, available in short (for 15 gallon sets) and standard (for 55 gallon drums) lengths

#### Accessories:

Hose Hanger, for suspending hoses off the ground. Tool balancer (not included) may be added if desired; E-Z Flow recommends using W W Grainger # 6Z158

Gun Holder/Solvent Tray, stainless, includes wire brush for cleaning tip of Cartridge after each shot, designed to hold Gun when not in use

## Capacities:

Output: 6-10 pounds per minute of mixed chemicals, depending on input air pressure and viscosity of chemicals used. The STREAMER is designed for packaging small boxes or for occasional use, and can provide 15-20 seconds of shot time (2-3 lbs) of heated chemical. This is adequate for 3-5 cubic feet of finished foam, depending on the density used. For larger containers or voids, it may be necessary to make a layer of foam, then wait for the temperatures to recover, and make another layer until complete. For sustained or repeated use, the GHC-110 Medium Duty or GHC-220 Heavy Duty system is recommended.

Types of chemical: The STREAMER is designed primarily for packaging applications. Packaging foams are available in densities of .4 lb/cu ft to 2 lbs.cu ft. For non packaging applications, please contact E-Z Flow, and we will help you to determine the best type of polyurethane foam for your specific needs.