

# Synthetic EXothermics

Synthetic Exothermics  
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## Safety aspects of injector

1. **Stacklights** monitor cycle progress.

2. **Alarm** alerts of potential problems.

If alarm sounds, remove fluxing pipe from metal and allow time for injector gas to clear the stoppage.

### Safety Controls:

There are three safety valves designed to assist in clearing a clogged wand while insuring the pressure tank cannot be over-pressurized:

- 1) Tank pressure electric pressure valve set to activate at 20 lbs. of tank pressure, cutting off auger motor to stop flux feed. Stopping flux feed from system minimizes buildup problems behind stoppage. Gas flow will continue to try to blow system clean of stoppage.
- 2) Flux wand gas electric pressure valve set to activate at 50 lbs. of tank pressure. This will stop all incoming nitrogen gas into the system.
- 3) Mechanical pop-off valve set to pop-off at 75 lbs, system pressure (tank and/or wand pressure)

***NOTE: ALL 3 VALVES AUTOMATICALLY RESET.***

Inventory available in:

**Atlanta, Birmingham, Charlotte, Cleveland, Indianapolis, Minneapolis, St. Louis, Tulsa and Altoona (Pa.) Also-- Ontario & Quebec in Canada, and Monterrey, Mexico**