



*The systems shown are some of the more popular configurations. Many others are available and can be tailored to meet your specific requirements.*

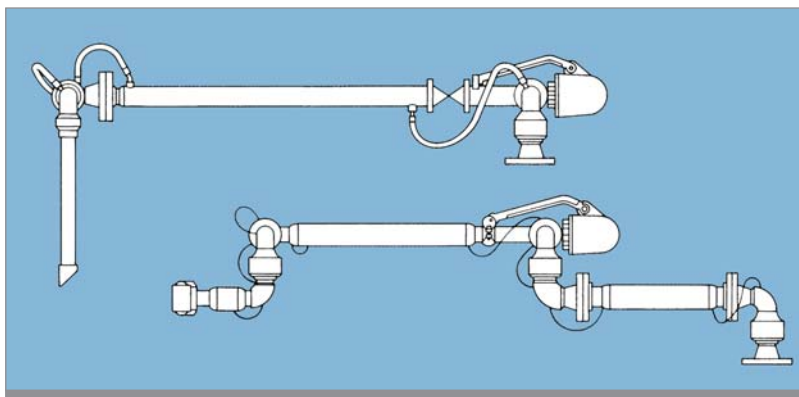
## Steam Jacketed Loading Arms

OPW Engineered Systems top and bottom loaders can be fully or partially jacketed/ traced for efficient handling of asphalt, molten sulfur, waxes, resins, and other products that are highly viscous or tend to solidify at ambient temperatures.

OPW steam jacketed loading arms incorporate a “pipe in a pipe” design and are used to handle products that need to be transferred at elevated temperatures. The inner pipe conveys the product being handled, while the outer pipe or jacket contains the steam. With these arms, the product can be heated very quickly and uniformly.

In some cases, customers specify the use of heat transfer fluids. The same principles apply in terms of loading arm design.

We also manufacture, for less demanding applications, hollow core steam trace elements that are clamped and bonded to the straight sections of piping in the loading arm.



All OPW Engineered Systems steam jacketed loading arms are custom designed to specifications depending upon the product being handled, temperature, and overall reach and flexibility requirements. Please consult the factory with your specifications and application requirements.

### Benefits

- Rugged construction
- Custom made to your specifications
- Durable for many years of service life

### Features

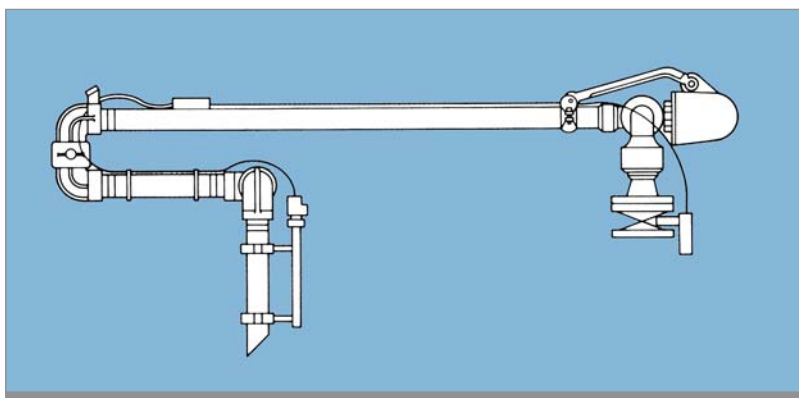
- Assemblies are supplied with all necessary steam jumper hoses
- Threaded, flanged, and welded construction are available
- Available in 2", 3", 4" and 6" sizes
- Available in steel, stainless steel, and aluminum

## Automatic Shut-Off Systems

Virtually any OPW Engineered Systems top loader can be equipped with an automatic shut-off feature to help prevent spillage and overfills that can result when working with a remote valve.

The automatic shut-off feature allows an operator to load using multiple arms to make the loading operation more efficient and safer.

Both electrical and pneumatically operated shut-off systems are available. An adjustable level sensor mounted on the drop tube or vapor recovery plate works in conjunction with an actuated valve to stop flow when the predetermined fill level is reached. Electrical systems with multiple sensing points can be used to trigger a number of actions such as closing a valve, slowing down a pump, or sounding an alarm.



### Benefits

- Provides for a faster, safer loading operation
- Allows for loading with more than one arm at a time without compromising safety
- Prevents overfills
- Safe controlled filling
- Signals the operator or shuts down the system
- Prevents spillage

### Features

- Electrical or pneumatic instruments available
- Adjustable lever sensor detects changes in liquid levels to stop flow at predetermined levels
- Can be configured to activate valves or alarms

**IMPORTANT:** OPW products should be used in compliance with applicable federal, state, provincial, and local laws and regulations. Product selection should be based on physical specifications and limitations and compatibility with the environment and materials to be handled. OPW MAKES NO WARRANTY OF FITNESS FOR A PARTICULAR USE. All illustrations and specifications in this literature are based on the latest product information available at the time of publication. OPW reserves the right to make changes at any time in prices, materials, specifications and models and to discontinue models without notice or obligation.