

ATD Pressure Gas System presents

The Cardox Chronicle



ATD Pressure Gas System Newsletter

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Base Socket Installation/Maintenance

By John Stulack

It's that time of year once again when many of our valued customers are either in their outage or planning one. An outage can be a great opportunity to either repair or replace Base Sockets that are in need of attention as well as adding new Base Sockets where you may now be experiencing additional material build-up that is out of reach. Here are a few suggestions for getting your old Base Sockets in shape and tips on new Base Socket installations.

Maintenance:

Each Base Socket comes with a Locking Plate; the Locking Plate is very important for safety as it seals the Base Socket when not in use. Due to harsh conditions, Locking Plates can become difficult to use over time. Often they can be cleaned but they are inexpensive and easy to replace. After being cleaned and lubricated or replaced, the inside bore and counterpart of the Locking Plate on the Base Socket should be scraped and cleaned.

Standard Base Sockets are suitable for many locations, but for high heat areas on the preheater we recommend a Base Socket with the added Safety Flap. The added Safety Flap closes when the operator removes the Pressure Gas Tube, protecting the operator from hot debris and gas. These can be ordered complete (Base Socket with Safety Flap) for a new installation or the Safety Flap can be easily added to an existing Base Socket location.



Base Socket complete with Safety Flap Part No. 42096



Standard Base Socket complete Part No. 42099



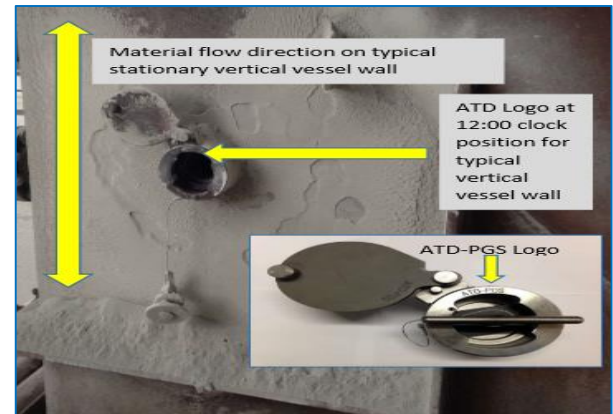
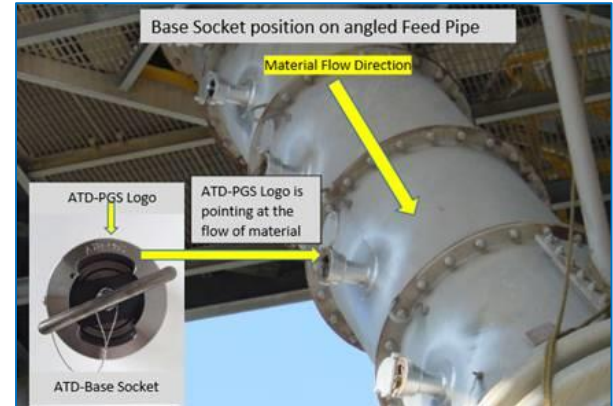
Locking Plate Part No. 42102

Installation:

Although we send instructions out with every Base Socket order, sometimes the instructions do not make it to the crew performing the installation. This can often result in the Base Socket being installed or indexed incorrectly. Having the Base Socket in the correct position not only insures that the tube is easily inserted and locked in the same position every time, it also enables the operator to know what direction the Co₂ blast is pointing when using directional type Discharge Heads (Two Way, Three Way and One Way). This is important for protecting refractory as well as successfully removing build-up. The photo examples on the right show where the “ATD Logo” should be positioned for these specific applications.

The photo on the bottom right shows how the operator can use the Gripcase Pusher as a reference for which direction the Co₂ blast will be directed when the Base Socket is installed correctly.

We have detailed welding and installation instructions available for all types of applications. Please contact us and we will be happy to provide our detailed instructions, as well as complete technical support for your specific application.



Team ATD-Pressure Gas System USA

We understand how critical your operations are and ATD is committed to supporting your production. We encourage your feedback as we are continuously making changes to fulfill our customer's needs. Please see our contact information below.

ATD Pressure Gas System
7634 Southrail Rd., #601
North Charleston, SC 29420
(843)553-2374
www.atd-pgs.com

For placing orders or quote request please email – shop@atd-pgs.com
tom.spaits@atd-pgs.com cell (908)601-9167
mike.thomas@atd-pgs.com cell (210)616-1824
john.stulack@atd-pgs.com cell (843)830-8488
kathy.spaits@atd-pgs.com office (843)553-2374
michael.baldwin@atd-pgs.com cell (816)859-4652