

**Industry:** Petroleum Processing

**Application:** Material Injection

**Product Descriptions:** Wall-mount adaptor for PJ nozzle

**Situation:** A BETE customer had an application where they wanted to inject an additive to a hydrocarbon stream. The nozzle of choice was a PJ12 because it had the required flow rate and met their droplet size criteria. They wanted to get a wall-mounted version to make the installation as easy as possible. The problem was that because of the way the PJ nozzle is manufactured, it is not feasible to make a wall-mounted PJ.

**BETE's solution:** BETE Applications Engineers came up with the idea of making a special wall-mount adaptor that would allow not only the PJ nozzle to become a wall-mounted nozzle, but would also allow any other 1/4 inch nozzle to be turned into a wall-mount nozzle. The outside 3/4 inch NPT thread allowed the adapter to seal without the need for a gasket. The supply thread was 1/4 inch female NPT. Once installed, the nozzles worked perfectly and the customer's process was back online in very little time.

### Technical Questions?

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