

H2S Case Study

Eagle Ford Shale eCLIP

An Eagle Ford producer requested the installation of an eCLIP inline atomizer after having challenges meeting pipeline H2S specifications efficiently with the use of four traditional atomizers split between two high pressure separators.

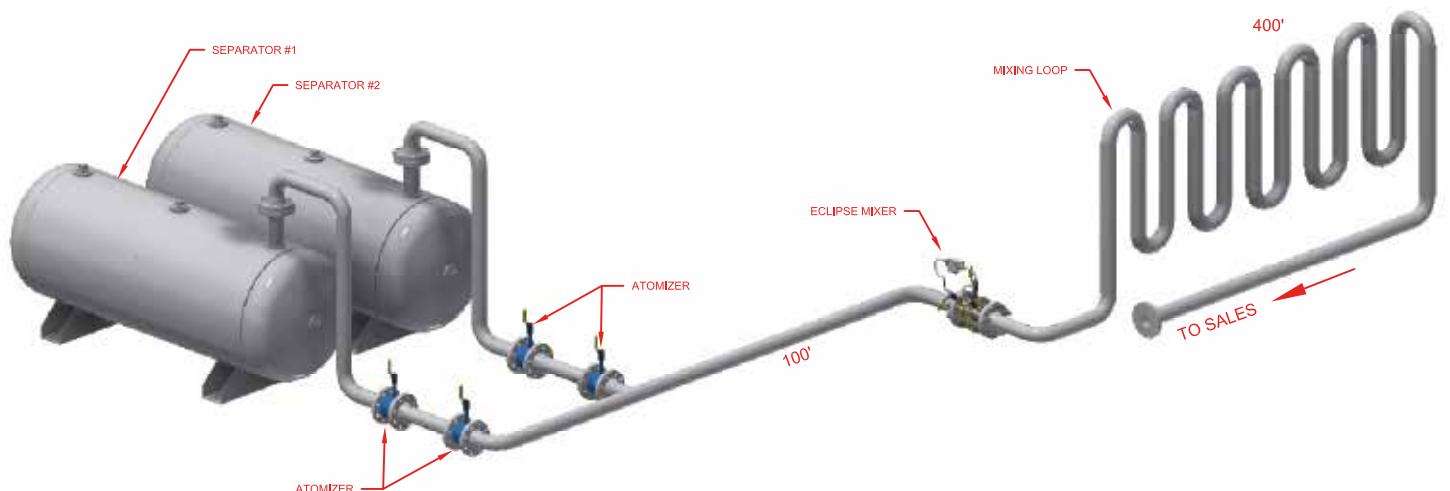
The ProSep eClip was installed upstream of an existing flow loop. In the first test the original triazine treatment rate was split between the four atomizers and the ProSep eClip unit. This resulted in a 15% decrease in chemical usage. In the second test the four atomizers were removed and all chemical was routed to the ProSep eClip. This resulted in an additional decrease of 25%. The eClip has consistently performed at a 35% reduction in scavenger usage since the trial.

With the eCLIP inline atomizer installed, the customer was able to:

- Significantly increase chemical efficiency and meet pipeline KPI's
- Achieve payback on the mixer within 12 days
- Make no major changes to facility design
- Ensure treating efficiency and zero maintenance

System Conditions:

- Approximately 3.5 MMCFD
- 2" Flow Line
- Line Pressure: 1200psi



Contact ProSep today to learn more about our eClip inline atomizer by visiting prosep.com or calling 281-504-2040.

eCLIP

efficient Compact Lightweight Injection Port
Increase your efficiency, CLIP your OPEX

ProSep's eCLIP inline atomizers provide chemical savings in a compact, easy-to-install, and cost-effective product.



BENEFITS:

- Chemical consumption reduced up to 40%
- No clogging – less down time
- Reduced CAPEX & footprint – replaces contacting towers
- Quick ROI
- Low differential pressure
- Inline solution – easily retrofitted
- No moving parts – low maintenance



APPLICATIONS

- Gaseous flows
 - H₂S scavenging
 - Natural gas dehydration
 - Amine injection
 - Scale inhibitors

FEATURES & DESIGN

ProSep has optimized its gas processing mixer technology to address the specific shale play market needs in North America. The eCLIP inline atomizer provides injection, dispersion, and high efficiency mixing in a compact form. Clients will benefit from fast delivery times and simple installation and operation. The eCLIP can be provided in sizes ranging from 2" and up for production pipelines. The compact nature of the eCLIP unit allows for easy installation for field operations. And when process conditions change, the eCLIP has been designed to be easily changed out to match the new production conditions and to ensure that maximum performance is achieved at all times.

