

# JAGTECH

Improving Your Drilling  
Performance

*“by Optimizing your Drilling Fluid”*



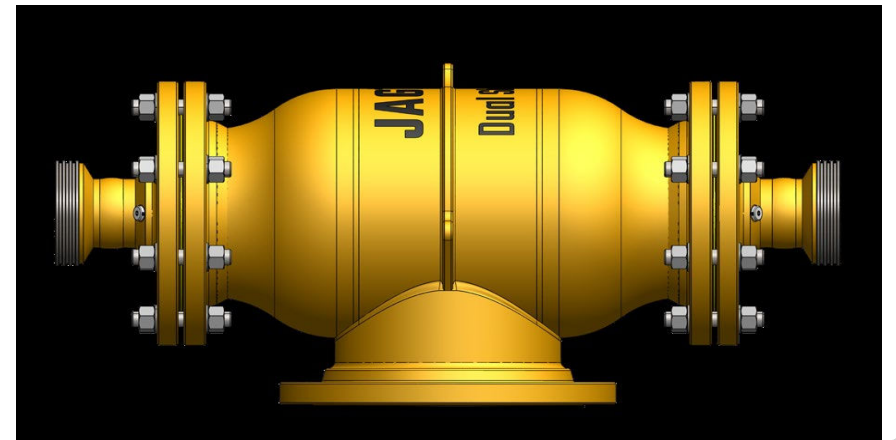
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# JAGTECH DUAL SHEAR GUN

*"New Method in drilling  
fluid shearing. **Patented**"*

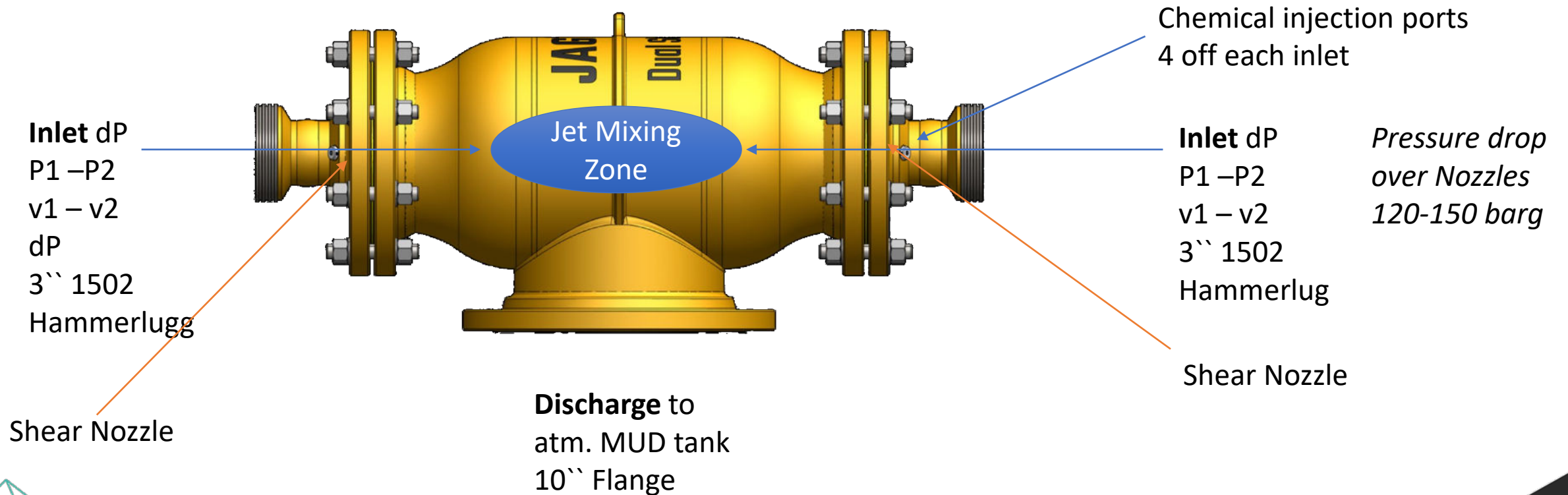
- Small flexible unit for WBM and OBM
- Can be fitted direct to MUD tank using existing pump or external set up
- Easy maintenance and change of shear nozzles in minutes
- Integrated Sound Dampner. Low Noise.
- Hard Face coated inner liner (No Wear)
- High pressure Fluid Shearing and Jet Impact Mixing unit
- Mix and Shear different compositions
- Injection ports for additives/chemicals

General Spec: Inlet: 3 inch Hammer union (Rated 750 Bar) Outlet: 10 inch (atm.)  
Length: 950mm, Width: 407 mm, Height: 445 mm  
Fixed exchangeable Nozzles (depending on flow, pressure drop and mud density)



# JAGTECH METHOD FOR HIGH PRESSURE SHEARING

*«Colliding jets not producing magnetic debrees. All inserts in the unit is made of non ferritic material (Tungsten carbide)»*



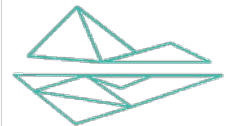
*In Live presentations we showcase the inside of Dual Shear Gun*

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# CASE Norway for Major Service Contractor

**«Customer had big challenges with «sagging», unstable emulsion and temperature control. It was vital to get the correct MUD properties as a critical barrier to the formation»**

- Shearing method on the rig was not efficient enough
- Jagtech was sent out offshore with the DSG together with external Triplex Pump unit and Fluid utility Equipment
- **Increased the ES value over 40%**
- **Improved temperature from 18 degree C to 45 degree C**
- **Improved MUD stability and reduced sagging.**
- Customer success in 4 campaigns.
- New campaign in planning.

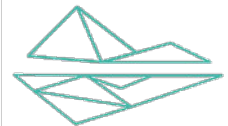




# CASE Field Trial US and Canada

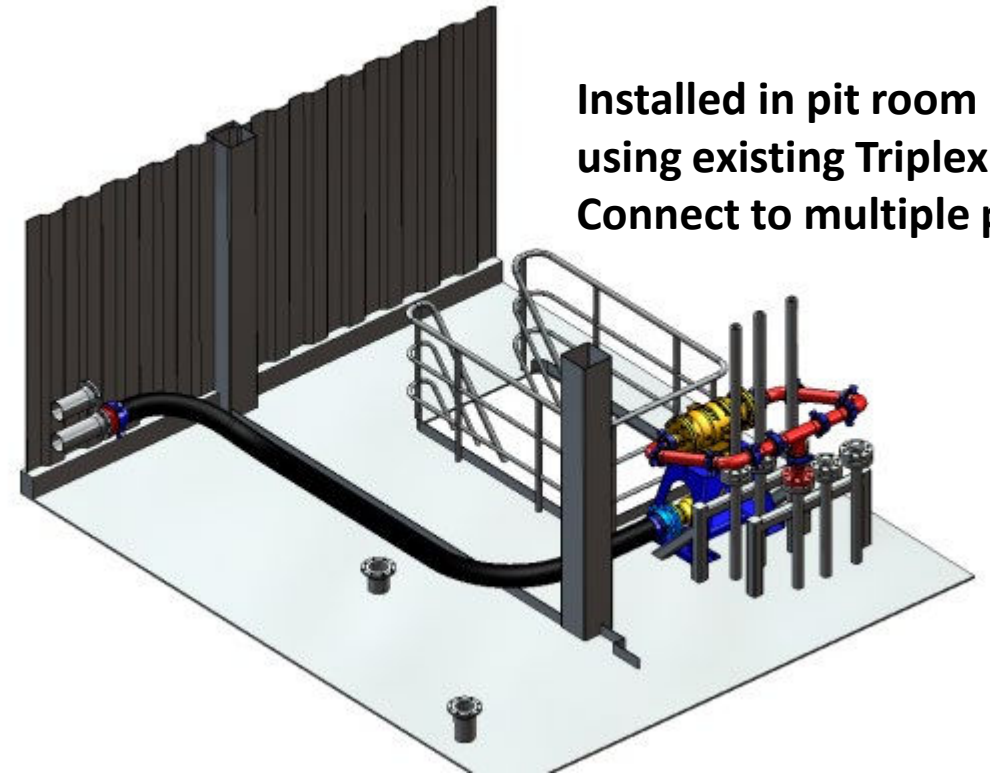
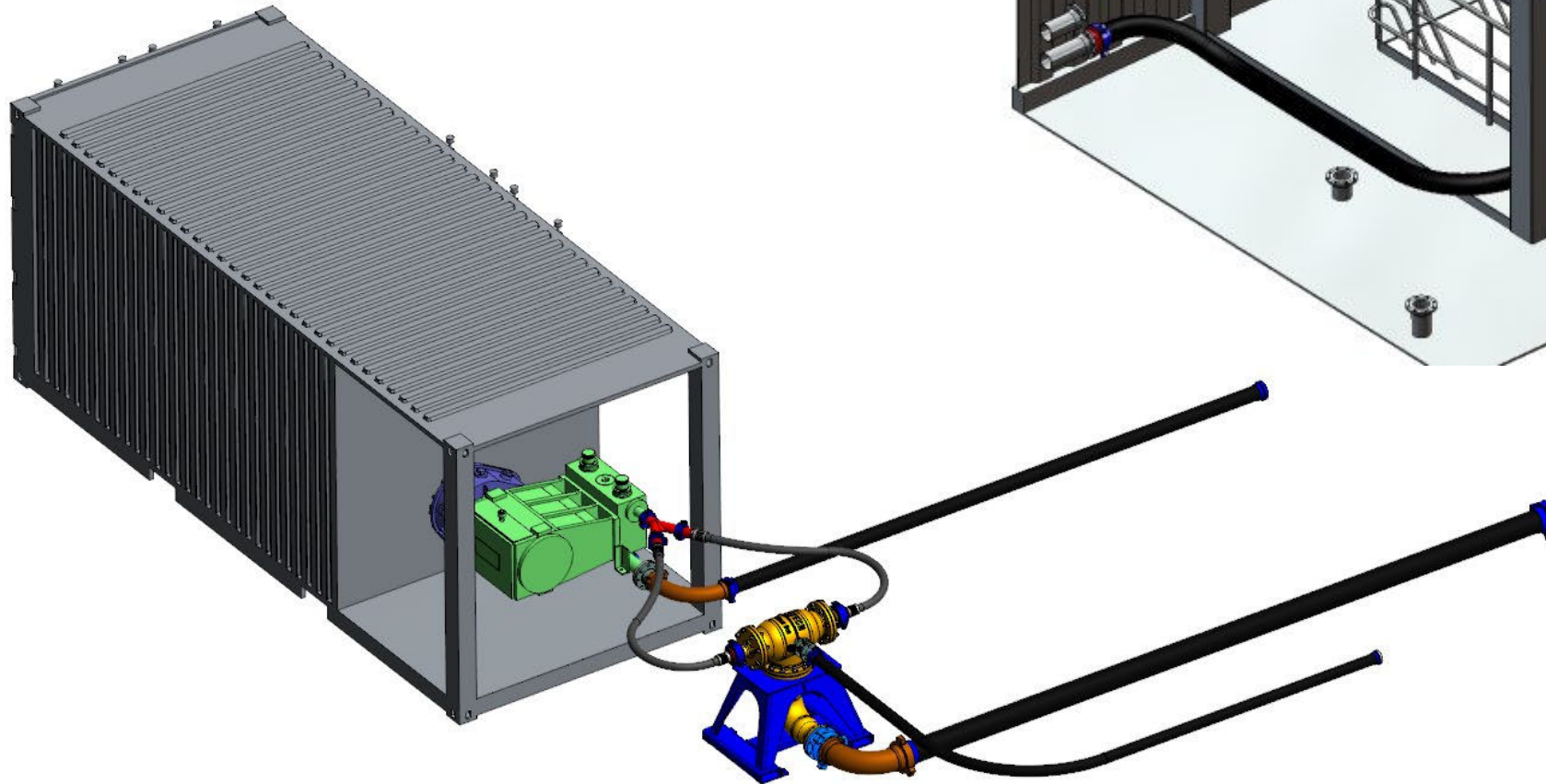
- Improved ES value over 100%
- Improved Rheology
- Improved Emulsion Stability

Next: Planning to shear with low pressure (New Field Trial)

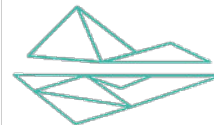


# Typically instalation

Flexible set up where DSG is mobile,  
manually connected to tank/pits and  
driven by external pump unit



Installed in pit room  
using existing Triplex pump.  
Connect to multiple pits



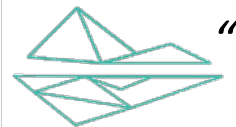


# VALUE in using Jagtech Dual Shear Gun

- High Energy Fluid Shearing and impact mixing in one small unit.
- Generating dynamic shear and fine particle dispersion in short time with improved Electric Stability
- Obtain a stable homogeneous emulsion with reduced sagging that remains stable over time
- Proven to improve ES Value and Rheology
- Ability to shear and mix different mud components (2 inlets) and mix in additives and chemicals true injection ports
- Temperature Control



Thank you for listening



*“Reduce using drill bit to condition the MUD”*