

Technical News Bulletin

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Single line shear spray system

- Simple operation
- Precise control of emulsion mixture
- Electronics and dosing separated in upper cabinet to prevent contamination/early failure of electronic components.

Introduction

This shear spray system is designed as a modern and economical replacement for the 502-301 single line shear spray unit.

The system comprises the control unit which incorporates an emulsion mixing unit. The mixing unit is capable of providing oil/water ratios from 1:100 to 1:1800. The upper part of the control cabinet houses the electronics in a sealed enclosure to ensure maintenance with water and oil can be carried out without risk to the system or personnel.

For convenience of adjustments and to allow local shut-off of emulsion mix and air, a separate distribution box is supplied, to be mounted near the shear mechanism. The distribution box provides an air regulator for spray air and a single flow meter for the spray emulsion. A shut-off valve and connection for the gob spray unit is also provided.



Shear spray mixing station



Distribution station

Features

Shear Spray Mixing Station

- Separate electronics compartment in panel
- Dosing and mixing unit
- 38-liter local oil tank

Distribution Box

Shear spray air pressure regulation

- Visual flow meter for fluid control
- Scoop spray connection

Option

- Second connection with flow meter for shear spray (LH and RH connection)



Drawing references

| Description | Part Number |
|---|-------------|
| Shear spray system | 565-320 |
| Single shear spray control unit | 565-302-1 |
| Distribution box (single flow meter for shear fluid + gob spray connection) | 565-316-3 |
| Water filter with bypass | 565-315-1 |
| Shear spray head (Optional) | 565-203 |

Installation Requirements

Main Power Supply

220 VAC

Water Supply

Pressure 3 bar @ 100 liters per hour

Ph 7.5 to 8.5

TDS (Totally dissolved solvents) <100ppm

Temperature 15°C to 50°C

Ambient Temperature

5°C to 40°C

Features / Benefits

| Features | Benefits |
|--|--|
| Local installation for one machine | Simple operation Oil water ratio to suit production Reduces pipe blockages and contamination |
| Electronically controlled dosing unit | Precise control of emulsion mixture |
| Electronics and dosing separated in upper cabinet area | Prevent contamination / early failure of electronic components |