

# ESP CHEM SCREEN (WITH SHUT OFF VALVE)

Chem Screen™ is a new technology that challenges the traditional concept of downhole chemical treatment. Through the micro-encapsulation technology, all the active components of the most effective liquid chemical treatments in the oil industry are processed in a solid stick that is then installed before the pump intake.

The installation of the Chem Screen™ downhole allows the activation and dispersion of the chemical problems to be treated and inhibited faster and more effectively, thus preventing harmful effects on downhole equipment.

There is a Shut Off Valve in each side of the Top and center sections and One Valve at the top of the Bottom, to prevent slippage in the surface.

## BENEFITS

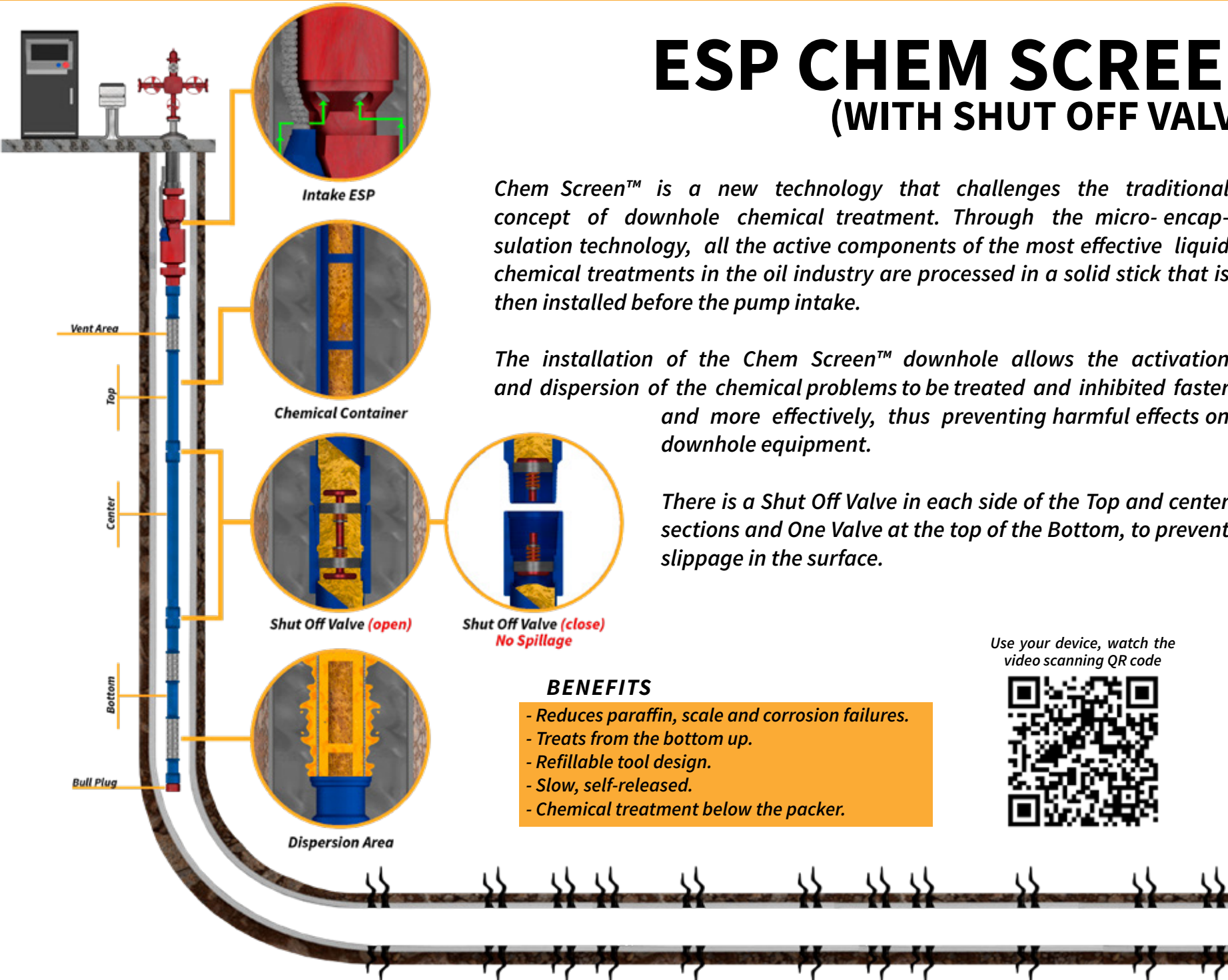
- Reduces paraffin, scale and corrosion failures.
- Treats from the bottom up.
- Refillable tool design.
- Slow, self-released.
- Chemical treatment below the packer.

Use your device, watch the video scanning QR code



HOW IT WORKS

FLUID  
SAND PARTICLES



**THE CHEM SCREEN IS MANUFACTURED IN THREE NOMINAL DIAMETERS**  
 2-3/8", 2-7/8", 3-1/2" and lengths: 24', 48', 72', 96', 120' and 144'. The size and length of the system is designed based on the chemical problems, BHT, production and mechanical conditions of each well.

## CHEMICAL TOOL RECOMMENDATION\*\*\*

### FOR ESP's\*

| Casing (in) | Tubing (in) | Water cut % | BHT (F) | Chemical Tool Recommendation (ft) |
|-------------|-------------|-------------|---------|-----------------------------------|
| 5-1/2"      | 2-7/8"      | 60          | 160     | 48'                               |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 72'                               |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 96'                               |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 120'                              |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 144'                              |

\* For new wells, which usually have a depletion time of 4-7 months, OSI recommends either a 120' or 144' OSI Chem Screen. Quick Release is recommended for all the ranges of production. Longevity estimated for a period of 1 year.

\*\* Extend the Longevity of chemical treatment in Gas Lift and SRP's with OSI's latest Retrievable Chem tool. Longevity estimated for a period of 1 year.

\*\*\*Recommendations could change based on the specific well conditions.

### FOR GAS LIFT & SRP's\*\*

| Casing (in) | Tubing (in) | Water cut % | BHT (F) | Chemical Tool Recommendation (ft) |
|-------------|-------------|-------------|---------|-----------------------------------|
| 5-1/2"      | 2-7/8"      | 60          | 160     | 24'                               |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 48'                               |
| 5-1/2"      | 2-7/8"      | 60          | 160     | 72'                               |

## Technical Specifications

| Size   | Pipe (in) |       | Screen (in) |       | Collar (in) |    |
|--------|-----------|-------|-------------|-------|-------------|----|
|        | OD        | ID    | OD          | OD    | ID          | ID |
| 2-3/8" | 2.375     | 1.941 | 2.87        | 3.063 | 2.375       |    |
| 2-7/8" | 2.875     | 2.441 | 3.37        | 3.668 | 2.875       |    |
| 3-1/2" | 3.5       | 3.066 | 3.94        | 4.5   | 3.5         |    |

**Chem Screens are solid based blend with 97% active chemical ingredients.**

