

# DASCO CHECK AND BLEEDER VALVES

## *REDUCE ESP DOWNTIME & SURFACE CONTAMINATION*

The DASCO CHECK VALVE is used to reduce ESP downtime between start-ups by eliminating lengthy wait times associated with back spinning ESP's.

Without a check valve, when the ESP is turned off the pump is driven backwards as the remaining fluid column in the production tubing equalizes with the annulus. The pump cannot be started until this equalization is complete to avoid damage to ESP components. With a DASCO CHECK VALVE installed, the ESP can be restarted immediately against a full column of fluid.

The DASCO BLEEDER VALVE reduces surface fluid handling costs and contamination associated with pulling wet tubing by providing operators with a reliable way to drain production tubing before pulling the ESP from the wellbore, keeping environmentally harmful fluids inside the wellbore.

When an ESP is plugged due to sand or other foreign material, it traps all fluids inside the production tubing. A 2000m (~6500 ft) deep well using 2 7/8" tubing contains approximately 6 M3 (38 bbl) of fluid. When pulled wet, fluid handling at surface becomes a time consuming and expensive task. With a DASCO BLEEDER VALVE installed, a bar is simply dropped down the production tubing and shears off the drain plug before pulling the ESP, providing a tubing drain into the annulus thereby eliminating the need to pull wet tubing.



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| TUBING SIZE | TUBING & TRIM MATERIALS                                   | THREAD TYPES       |
|-------------|---|--------------------|
| 2.375"      | J55, L80, 304/316 SS, 36000 BRASS,<br>ENC & MONEL COATING | EUE, NU            |
| 2.875"      |   |                    |
| 3.500"      |   | EUE, STC, LTC, BTC |
| 4.500"      |   |                    |
| 5.500"      |   |                    |



***Never pull wet tubing again***



***Stop waiting for production***

## **Why use a DASCO check and bleeder valve**

1. Proven and reliable ball and seat valve construction
2. Reliable bleed plug design to ensures draining when you need it
3. Redress and reuse at the field level



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