

# DRILL STRING FLOAT VALVES

## WHAT IS A DRILL STRING FLOAT VALVE:

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Drill pipe float valves, also referred to as non-return valves, are a type of downhole valve utilized to establish barriers that prevent the undesired flow of fluids up the drill string during drilling operations. These valves effectively lock down the fluid flow while the crew at the rig floor engages in the process of making or breaking connections

## APPLICATION:

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The Back Pressure Valve is a critical tool for controlling the reverse flow of high-pressure formations within the drill string, ultimately ensuring optimal performance during drilling operations. Its unique design enables downward fluid circulation while preventing the unwanted flow of fluids back to the surface. Using a downhole tool, an opening sleeve can either be locked into place or retrieved via wire line, allowing the valve to be opened for fluid circulation in either direction or for utilization of downhole tools. With the Back Pressure Valve at your disposal, drilling operations can be executed with precision and ease



## INVENTORY

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At our company, we understand that having access to a wide variety of sizes is essential to meet the needs of different drilling applications. That's why we carry a comprehensive range of conventional sizes, including 3.5IF, 4"FH, and 4.5IF. In addition, we offer DS38 and DS40 sizes to accommodate your high-torque requirements, ensuring that you have access to the appropriate equipment for any drilling operation. At our company, we are committed to providing you with the highest quality products and services to enhance the success of your drilling projects.

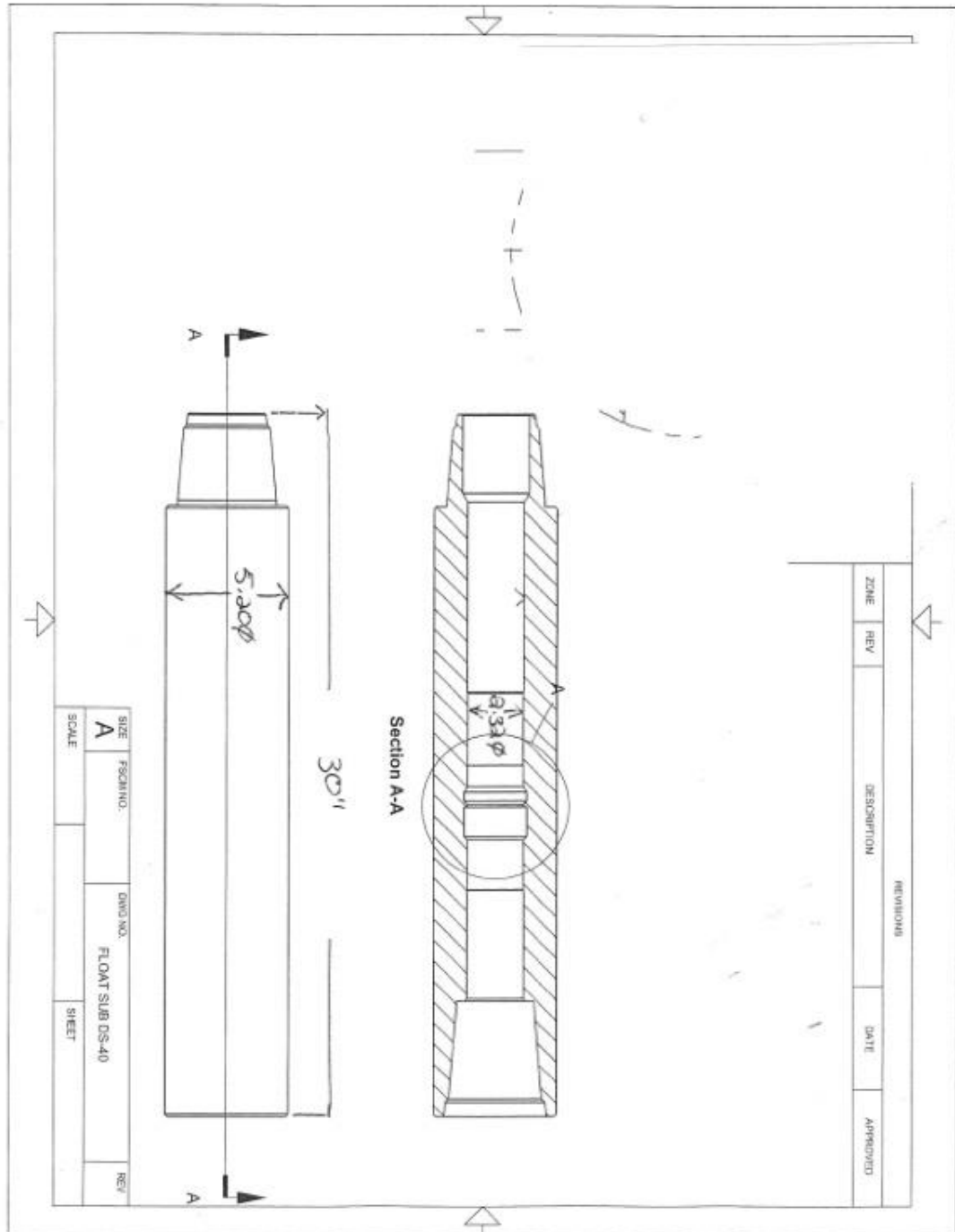


## TECHNICAL SPECS

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- Wireline Retrievable
- Machined using EN30B high quality material
- Serialized with full traceability
- In-house Inspection and Redress
- Pressure tested: High (7500psi) and low (500psi), working pressure of 5000Psi
- Temperature Rated to 400oF (205oC) , higher temperature ratings available upon request
- Enhanced design features over traditionally floats, provide durability and extended service life
- Large selection of Conventional API connection types/sizes (3-1/2" IF, 4" FH, 4-1/2" IF..etc) as well as special threads (DS 40, DS 39, CET 43, CET 39. CET 40) with the ability to provide customized connection types based on client's request. Available in 2.31 / 2.81 / 3.81 profiles

# FLOAT SUB



# FLOAT VALVE INNOVATION

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Burj Resources has innovatively redesigned the traditional "Baker" style valve, resulting in an advanced and optimized valve that effectively addresses common issues associated with its predecessor. Here are the key features and benefits of our patented valve:

1. Enhanced resistance against washout: Our floats are meticulously crafted from EN30B alloy steel, a material specifically designed for downhole tools. Through the implementation of the Boriding (Bor-coat) process, we have achieved exceptional resistance to wear and abrasion. Consequently, our valve significantly reduces washout of legs and dart caused by abrasive materials present in the drilling fluid.
2. Robust spring assembly with stopper and cap: To mitigate the risk of spring failure, our valves employ a sturdy and durable spring—more than three times stronger than those commonly found in the market. Additionally, we have integrated a stopper mechanism that safeguards the spring from over-compression when the valve is in the open position. Moreover, a spring protector isolates the spring from the high-velocity fluid, ensuring its longevity and reliability.
3. Extended guide for precise dart movement: We have introduced a lengthened guide within our valve, facilitating the smooth and precise movement of the dart. This extended guide effectively maintains the dart in its correct position, preventing any deviation or misalignment.
4. Commitment to quality: All our tools are manufactured locally, adhering to stringent quality standards. We employ high-quality materials, and upon request, we provide material traceability for complete transparency. Furthermore, each product undergoes comprehensive quality inspections and pressure testing before being dispatched to the designated location.

