ATTITUDE ENERGY

MADE IN USA

BLUE FLAME 4 WEB VALVES

The Blue Flame 4-Web Valve and Seat are designed for high-pressure drilling conditions, forged from a single piece of high-strength alloy steel and case-hardened for durability.

A high-temperature, impact-resistant urethane is molded onto the valve body, eliminating gaps found in insert-type valves.

The 4-web design reduces valve weight while increasing load-bearing area and metal-to-metal sealing, allowing quick flushing of solids. Each part is individually inspected to ensure optimal performance and quality.

BENEFITS

VALVE

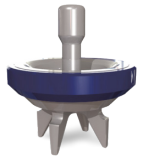
- High-Temperature Capability – Performs effectively in applications up to 300°F.
- Precision Engineering – Forged and machined from a single piece for superior durability.
- Enhanced Protection – Bonded insert prevents infiltration of solids, ensuring consistent performance.
- Versatile Compatibility – Delivers excellent results with water- and oil-based muds.
- Superior Resistance – Built to withstand harsh chemical environments.

Part Number	Size
U5CEEF HT	VALVE, 4 Wet
7DDB1 HT	Seat 4 Web API 7
7DDB12 HT	Seat 4 Web API 7
U5BEH HT	VALVE, 3 Web
6DDB1	Seat 3 Web API 7
6DDB12	Seat 3 Web API 7

VALVE

- Designed for High Pressure – Suitable for applications up to 7,500 psi at high temperatures.
- API Compliance – Available in API 6 and 7 standards for versatility.
- Effortless Maintenance – Four-web design enables easier removal and replacement.

MUD VALVE AND SEAT COMPARISON

MUD VALVES AND SEATS	ATTITUDE ENERGY				
MODELS	BLUE FLAME HTHP VALVES	BLUE FLAME 4 WEB VALVES	STANDARD PRESSURE VALVES/SEATS	HTHP SEAT	HP SEAT
					
ABRASION / TEAR / OIL RESISTANCE					
TEAR RESISTANCE					
OIL RESISTANCE					
CHEMICAL RESISTANCE					
SYNTHETIC OIL RESISTANCE					
EXTRUSION RESISTANCE					
USE IN OIL BASED MUDS					
USE IN SYNTHETIC BASED MUDS					
USE IN BRINE					
FULLY BONDED	•	•	•	•	N/A
FORGED SINGLE PIECE BODY	•	•	•	•	•
CASE HARDENED ALLOY	•	•	•	•	•
MAXIMUM TEMPERATURE (°F)	300°F	300°F	180°F	280°F	N/A

PERFORMANCE KEY

BEST		GOOD	
VERY GOOD		POOR	