

FLOOR VALVES

Hi-Kalibre floor valves provide reliable well control directly in the drill string. Built for high-pressure service and harsh drilling conditions, these valves deliver dependable sealing and simple activation while remaining compatible with standard rig equipment.



SAFETY SWIVEL

Hi-Kalibre Equipment's patented **Safety Swivel™** is used primarily for gas well service and sand clean out operations. Our innovative combination of our reliable and proven Tubing Safety Valve with an integral swivel is so unique and advantageous to service rig operators that we have patented a method of sand clean out based on it. This technology is licensed to each user and allows sand clean out and service operations to be conducted more efficiently and more safely than ever before.

DESIGN FEATURES

- ▶ Design based on our field proven, reliable Tubing Safety Valve technology, featuring:
 - ▶ Full drift bore design.
 - ▶ Positive, gas tight sealing in both directions.
 - ▶ High torque body connection ensures seamless operation in the toughest conditions.
 - ▶ Low torque operation even when closing or opening under maximum bore pressure.
 - ▶ Gas tight stem seal even under maximum pull.
 - ▶ Side-ported or non-ported configurations available.
 - ▶ Available configuration for workover drilling.
- ▶ The addition of an integral, Hi-Kalibre designed swivel removes leak paths from standard operations and makes for reduced overall stack height.
- ▶ The patented Safety Swivel™ arrangement eliminates the need for a second ball valve for fluid control and allows for function of the valve remotely without disconnection of any lines at any time during operations.
- ▶ Tubing Safety Valve is air actuated with fail closed operation.

FLOOR VALVES

DRILL STEM SAFETY VALVE

Hi-Kalibre Equipment **Drill Stem Safety Valves (DSSV)** are widely used for both blow out prevention and mud control during drilling operations. Our valves are in service in every oil producing country in the world, and on the biggest rigs in the world. Using our patented Dual Ball Valve, top drive manufacturers can now produce equipment with greatly reduce stack heights while maintaining independent blow out prevention functionality.



DESIGN FEATURES

- ▶ Standard one-piece body with full drift bores.
- ▶ Patented upper split ring and seat design for ease of equalization and improved serviceability.
- ▶ Patented Dual Ball technology available, two independent valves and single body incorporated.
- ▶ Can be remotely actuated with our patented Rotary Hydraulic Actuators.
- ▶ Balanced stem stop design for accurate, robust stopping and proper ball alignment.
- ▶ Gas tight, metal to metal seat seals, in both directions.
- ▶ Reduced stem diameters for low torque operation even under maximum pressure.
- ▶ Removable inserts protect the stem seal areas in the body and provide maximum body life.
- ▶ Available in a wide range of standard and custom configurations.
- ▶ Reliable, field proven, serviceable design.

INSIDE BLOW OUT PREVENTION VALVE

Hi-Kalibre **Inside Blow Out Prevention (IBOP)** valves are a dart type IBOP used to control or prevent back flow or blow out when the Drill Stem Safety Valve (DSSV) is disconnected from the drill pipe. These valves feature a unique one-piece body incorporating our patented upper seat and lock ring design. The one-piece body provides strength with the minimum possible stack height, while eliminating cumbersome torque body connections. In turn this makes our valves completely field serviceable.



DESIGN FEATURES

- ▶ One piece body incorporating our patented upper seat and split ring.
- ▶ Field serviceable valve, as valve assembly or disassembly does not require making or breaking a high torque connection.
- ▶ Complete range of tools for relieving pressure during decommissioning.
- ▶ Durable urethane low pressure seal backed by high pressure metal to metal seal, spring energized to ensure positive sealing in any condition.
- ▶ Available in a wide range of standard and custom configurations.
- ▶ Reliable, field proven, serviceable design.

FLOOR VALVES

TECHNICAL SPECIFICATIONS:

Contact us for specific model details or
Advanced custom requirements:

hke@hikalibre.com



Safety
Swivel



Drill Stem
Safety Valve



Inside Blow Out
Prevention Valve

WORKING PRESSURES (PSI):

5,000 – 10,000

5,000 – 20,000

5,000 – 20,000

BORE SIZES RANGE:

2" up to 3"

1.13" - 4" (Customizable)

Available with standard and premium drill pipe end connections

Meets or exceeds API 7-1 and other relevant specifications

NACE/H₂S trim standard

Class 2 tested

ADDITIONAL OPTIONS:

Corrosion-resistant
internal body
coatings: XYLAN, ENC
(Electroless Nickel)

CRA internal
components

Major repair kits with
replacement internals
sold separately

API Spec 8C load
testing available (Top
drive Valve only)



HkCAN: 7321 68ave Nw Edmonton,
Ab T6b 3t6 / 780-435-1111

HkUSA: 10197 Windfern Rd Houston,
Tx 77064 / 281-965-3131



Scope API (2163) & ISO 9001 (ISO-2260):
Design, Manufacture and Repair of Valves & Related
Equipment for the Oil & Gas Industry



Scope API 7-1-1144:
Drill Stem Subs & Kelly
valves



7-1-1144
7-2-1067

Scope API 7-2-1067:
Rotary Shouldered Con-
nections Threads

HIKE

HI-KALIBRE
EQUIPMENT

www.hikalibre.com

Rapid Response for Your Critical Operations

Hi-Kalibre's global network of agents and service partners provides fast, expert support anywhere you operate. With advanced engineering and proven field expertise, we minimize downtime, protect crews, and keep rigs productive, even in the most remote, demanding environments.

FLOOR VALVES | BROCHURE