

# K2 ATMOSPHERIC-CHAMBERED TOE VALVE



The Tier 1 K2 is a pressure activated annular-access valve that is utilized to direct flow to, or from, a specific location in the well bore, typically the toe section.

The K2 incorporates accurate rupture disk technology isolating a trapped atmospheric chamber. This provides for very precise control over the opening pressure value. Full range of opening pressure values in 500psi increments.

Once shifted the valve is locked in the open position and cannot be shifted closed regardless of flow rates or pressure drops in or around the valve.

#### CURRENT SIZES

- ⇒ 114.3mm  
(17.26-22.47 kg/m)

#### STANDARD OFFERING

- ⇒ P-110 / L-80
- ⇒ LT&C box x pin

#### OPTIONS

- ⇒ Premium / semi-premium connections
- ⇒ CRA materials
- ⇒ Alternate API material grades
- ⇒ Other sizes available on request

#### FEATURES & BENEFITS

- ⇒ Flow area through ports exceeds ID flow area to eliminate pressure drop through valve.
- ⇒ Redundant Fike® rupture discs to ensure accurate opening pressure values.
- ⇒ Atmospheric chamber permits full function of valve when installed in a cemented casing string.
- ⇒ Opening sleeve clears flow ports when shifted to minimize flow tortuosity and maximize flow area.

#### APPLICATIONS

- ⇒ Production
- ⇒ Injection
- ⇒ Stimulation
- ⇒ Cemented / Non-cemented
- ⇒ Vertical / Deviated / horizontal

