



## KEY/K2 BOP INC. QUAD COIL TUBING BOP

The 5-1/8" 15,000psi Quad Coil Tubing B.O.P. is designed to be smaller and lighter than any other comparable Coil B.O.P. There are two sets of sealing rams. One will seat when coil tubing is in the well (pipe ram, tubing ram). The other ram is a blind ram that will seal when there is no tubing in the well. In addition, there are two other sets of rams. The first being a shear ram that will cut the coil tubing and/or wireline. The other set of rams is a set of slip rams that will grab and hold the coil tubing. The two sealing rams required for well control and the other two are designed so well control can be performed.

### SPECIAL FEATURES INCLUDE

- › Light and compact
- › Shear bonnet assy. tandem booster
- › Low bonnet bolt torque
- › Manifold equalizing valves
- › Well pressure isolated seals
- › NACE MR 0175 compliant components
- › Easy maintenance
- › Hydraulic ram change
- › Internal porting
- › Independent bonnet testing
- › Ram position indicator
- › Manual lock

#### KEY BOP

5705 47th Street, Leduc, AB, T9E 7A1  
P. (780) 980 9823 F. (780) 980 9830

#### K2 BOP

18 Burnt Bluff Street, Red Deer, AB, T4P 0J6  
P. (403) 342 5966 F. (403) 342 4667

## BENEFITS

- › Equalizing valve is bolted to the body
- › Replaceable equalizing valve seat
- › Separate seals for hydraulic and well pressure with a vent (weep hole) to prevent well pressure from entering the hydraulic system.
- › Easy maintenance, breaks down into small manageable units. One man can easily handle the entire cleaning and maintenance job. No difficult threads to align.
- › Side port flange integral to B.O.P. body.
- › Ram position indicators give a positive indication of the shear ram position.
- › Shear rams with multiply cut blades cut the coil tubing and cable, leaving a clean end for circulating fluids or easy fishing.
- › Ram guides will center the coiled tubing in the rams.
- › Slip rams have replaceable inserts. An innovative interrupted cut design pattern minimizes the stress risers on the coiled tubing.
- › Hydraulic ram change reduces the time and labor required for ram maintenance.
- › The low bonnet bolt torque eliminates the need for torque wrenches.

## TECHNICAL PARAMETERS

<b>Bore Size</b>	5 1/8" (130mm)
<b>Working Pressure</b>	15,000psi (105MPa)
<b>Hydraulic Working Pressure</b>	1,500–3,000psi (10.5MPa–21MPa)
<b>Available Configuration</b>	Quad
<b>Ram Operation</b>	Blind, slip, shear, pipe (0.5"~2.875")
<b>Service</b>	H2S
<b>Weight</b>	8050lb (3650Kg)
<b>Open/Close one set of ram oil volume For pipe/slip rams</b>	0.62gal / 0.62gal
<b>Open/close one set of ram oil volume For shear blind rams</b>	0.62gal / 1.24gal

## NOTES

BOP design and manufacture meet API Spec 16A.

BOP provided can be used for H2S service and also meet NACE MR-01-75.