

GEODynamics ANNULAR PRESSURE VENT ASSEMBLY

DESCRIPTION

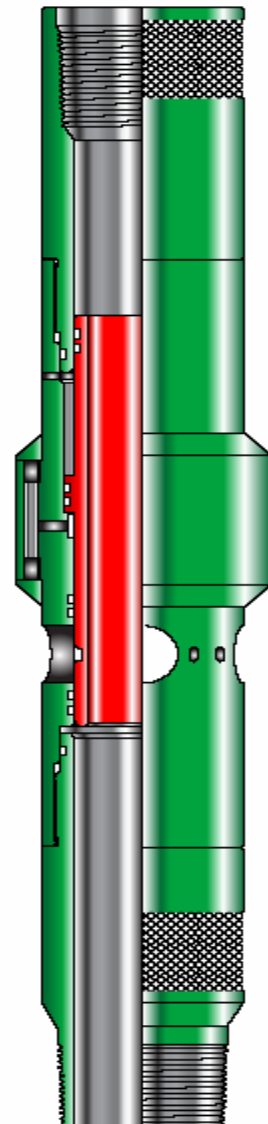
The GEODynamics Annular Pressure Vent (APVA) Assembly is used to establish communication between the sump annulus and work string for Tubing Conveyed Perforating (TCP) operations. This tool is run in conjunction with the GEODynamics "X" Series Cross Over System and any Differential Firing Head. Activation of this tool is accomplished by applying a calculated pressure down the annulus, which shifts the piston open establishing communication to the work string. The flow ports are used for production, pump volumes or simply to act as a tubing drain when pulling out of the hole.

ADVANTAGES

- Safe, economical, simple, and reliable
- Ideal for highly deviated wells, horizontal wells, wells with heavy fluids
- Activated before or after perforating
- Sand control and underbalance perforating
- Maximum flow area
- Easily serviced

OPERATION

If the operator has open perforations and wants to dynamically flow the well prior to perforating, assemble the release mechanism inside the APVA lower than the firing head activation pressure. If the operator wants to detonate the guns first, then open the APVA; assemble the release mechanism inside the APVA greater than the activation pressure of the firing head. Position the APVA directly below the packer assembly. Apply the calculated applied pressure down the annulus. The applied pressure combined with hydrostatic pressure enters the GEODynamics "X" Series Crossover and flows through the packer assembly down the capillary tube to the APVA. The applied pressure shears the shear screws and shifts the piston into the open position creating communication between the sump annulus and work string.



SPECIFICATIONS

DESCRIPTION		
CONNECTION *	2-3/8 EUE	2-7/8 EUE
TOOL OD	3.75 in	4.25 in
TOOL ID	1.00 in	2.00 in
MAXIMUM PRESSURE	10,000 psi	10,000 psi
MAXIMUM TEMPERATURE	350 F	350 F
LENGTH	16.0 in	16.0 in
WEIGHT	37.0 lbs	42.0 lbs
PART NUMBER	08.APVA.238.8EBP	08.APVA.278.8EBP
REDRESS KIT	08.APRK.238.9999	08.APRK.278.9999

* OTHER THREAD TYPES AVAILABLE UPON REQUEST