

DESCRIPTION

The Single Phase Sampler collects a representative reservoir fluid sample, and retains it in a single phase for transfer into transport bottles once recovered to surface. The Sampler is triggered by bursting a precision annular rupture disc. Once the reservoir fluids are collected in the 600cc sample chamber, nitrogen pressure acts on the fluid to ensure it maintains a single phase. Adding an additional sample chamber to the tool doubles the total sample collected to 1200 cc (2 x 600cc).

APPLICATIONS

- Drill stem testing
- Reservoir Fluid sampling

FEATURES

- Able to maintain sample pressure up to 10,000 psi on surface
- Annular pressure rupture disc activation
- Onboard memory gauge measures pressure and temperature ensuring sample integrity (optional)
- Concentric, unrestricted bore
- Debris chamber removes contamination prior to sampling
- Inert sample chamber coating
- Field serviceable
- Single or dual sample configurations available

SPECIFICATIONS

3070CA V01

BOX:	API or Premium Available Connections
PIN:	API or Premium Available Connections
O.D. in [mm]	5.25 [133]
I.D. in [mm]	2.25 [57]
LENGTH in [m]	Single: 199.6 [5.07] Dual: 294.7 [7.48]
PRESSURE DIFFERENTIAL RATING psi [kPa]	20,000 [137,895]
MAX SURFACE SAMPLE PRESSURE psi [kPa]	10,000 [68,947]
ENVIRONMENT	H2S and CO2 service per NACE MR0175:2015 (Internally-wetted components)
MAX OPERATING LOAD lbf [daN]	136,000 [60,496]
ULTIMATE LOAD lbf [daN]	507,000 [225,525]
MAX TEMPERATURE degF [degC]	350 [177]
SAMPLING VOLUME cc	Single: 600 Dual: 2 x 600

*These specifications are guidelines only. Refer to the equipment technical manual, or contact Northstar for more information.

