






WellProtek™ API-16A Product Testing Requirements



Type Test	Description Test	Status
Sealing characteristics test	Determines the actual opening or closing pressure required to either maintain or break a wellbore pressure seal	 Successfully passed
Fatigue test	Simulates closing and opening the blowout preventer once per day and wellbore pressure testing at 200 psi to 300 psi and full rated working pressure once per week, for one year of service. Target 52 API cycles (7 open/close cycles = 1 API cycle)	 Exceeded by 115%
Packer access test	Determines the ability of the blowout preventer to undergo repeated packer changes without affecting operational characteristics. This test shall be accomplished by obtaining access to the packing unit and performing a wellbore pressure test every 20th packing unit access	 Successfully passed
Stripping life test	Determines the ability of the annular packing unit to maintain control of wellbore pressure while stripping drill pipe and tool joints through the closed packing unit without exceeding a leak rate of 4 liters/min. (1 gal/min)	 Successfully passed
Temperature test	Verifies the performance of non-metallic seals and molded sealing assemblies used as pressure-controlling and/or pressure-containing during exposure to low and high temperatures	 Successfully passed Low temp 40°F/ High Temp 180°F