



WELLPROTEK® ANNULAR PACKING UNITS

FREUDENBERG
OIL & GAS TECHNOLOGIES

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WELLPROTEK® ANNULAR PACKING UNITS



FOGT Part #	Packing Unit	Description				
		Size	Rated Working Pressure	Type	Temp Rating	Temp Range
10044895-33	WellProtek® NBR 162	13 5/8"	5,000 psi	Spherical	FGD	40°F to 275°F (4°C to 135°C)
10044894-33	WellProtek® NBR 162	11"	5,000 psi	Spherical	FGB	40°F to 200°F (4°C to 82°C)
10044893-33	WellProtek® NBR 163	7 1/16"	5,000 psi	Spherical	EGA	30°F to 180°F (-12°C to 82°C)

WellProtek® is FO>'s line of API-16A licensed* annular packing units. All units are Factory Acceptance Tested (FAT) before shipment, stamped with the official API Monogram® and shipped with full documentation in compliance with API-16A requirements.

Our WellProtek® units utilize proprietary elastomers, products of FO>'s material development and engineering expertise. Through extensive testing, our compounds show superior Rapid Gas Decompression (RGD) resistance and extended durability and performance.

Freudenberg Oil & Gas Technologies is a global provider of innovative sealing solutions and differentiated products to the upstream oil & gas industry, including metal-to-metal, advanced thermoplastic and elastomeric sealing solutions.

Our commitment and dedication to develop market leading technologies and support with in-house product verification testing is featured with the successful introduction of the WellProtek® API-16A licensed units.

WellProtek® Benefits:

- Meets or exceeds original equipment requirements
- Fully tested, design verified, and supported by traceable documentation in accordance with API-16A PRI specifications

*All WellProtek® Annular Packing Units are manufactured at FO>'s API Q1 and APU-16A licensed facility (certificate number 16A-0429)

	Test Performed	Test Description
✓	Factory Acceptance Testing	The Factory Acceptance Test includes testing on pipe to low (200–300 psi) and high (5000 psi) wellbore pressure, Complete Shut-off (CSO) test to 2500 psi wellbore pressure and drift testing within 30 minute
✓	Temperature Testing	Verifies the performance of non-metallic seals and molded sealing assemblies used as pressure-controlling and/or pressure-containing during exposure to low (40°F) and high (350°F) temperatures
✓	Fatigue Testing	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)
✓	Sealing Characteristics Testing	This test determines the piston closing pressure necessary to maintain a seal as a function of wellbore pressures up to full rated working pressure of the blowout preventer
✓	Stripping Life Testing	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. (1gal/min)
Coming Soon	Continuous Operation Temperature Testing	This test determines the ability of the annular packing unit to maintain a wellbore pressure seal after repeated closings and openings at the continuous elevated rated temperature and rated working pressure

*All qualification tests are performed following API-16A industry test procedures and qualification requirements.

**With the exception of stripping test, the acceptance criterion for all tests to verify pressure integrity was zero visible leakage.



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SINGAPORE

Contact Us

Freudenberg Oil and Gas Technologies

Headquarters
10035 Brookriver Drive, Suite 400
Houston Texas 77040
Phone: +1 281 233 1400

www.fogt.com
sales@fogt.com

For global locations and support, please visit www.fogt.com.



CONTACT SALES

Connect with a sales team member for a demo today!

www.fogt.com/wellprotek-annular-packing-unit

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sales@fogt.com

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