

Product Information Bulletin

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Shaffer Elastomer Operation Temperature Limits

Shaffer pressure control equipment operating conditions are limited by several variables, one of them being temperature limitations of the elastomeric compounds used in many non-metallic parts. Below is a guideline for the recommended operating temperature limits.

Ram BOPs

Standard Ram Rubber Packers (pipe and shear)	-10 °F to 200 °F	(-23 °C to 93 °C)
T-SL (T70 or T75) Ram Rubber Packers Drill Stem Testing (pipe)	-10 °F to 250 °F	(-23 °C to 121 °C)
CS Critical Service Ram Rubber Packers Drill Stem Testing (pipe)	-10 °F to 350 °F	(-23 °C to 177 °C)
Ultratemp™ Ram Rubber Packers (pipe and shear)	20 °F to 350 °F	(-7 °C to 177 °C)
Multi-Ram™ Rubbers	30 °F to 180 °F	(-1 °C to 82 °C)
Ram Door Seals	-10 °F to 350 °F	(-23 °C to 177 °C)
Operator Hydraulic Seals	-10 °F to 225 °F	(-23 °C to 107 °C)
Ram Shaft Seal Assemblies (11", 5,000 psi & larger)	-10 °F to 350 °F	(-23 °C to 177 °C)

Spherical® BOPs

Nitrile Packing Element	40 °F to 170 °F	(4 °C to 77 °C)
Natural Rubber Packing Element	-20 °F to 170 °F	(-29 °C to 77 °C)
SBOP Hydraulic Seals	-10 °F to 225 °F	(-23 °C to 107 °C)

Valves

Stem Packing	-10 °F to 350 °F	(-23 °C to 177 °C)
Seat Seals	-10 °F to 350 °F	(-23 °C to 177 °C)

If you have additional questions regarding Shaffer elastomer operating temperature limits, please contact your local Shaffer representative.