



SOLUTIONS FOR MECHANICAL SEALS

INDUSTRY-TESTED, INDUSTRY-PROVEN

Greene, Tweed solutions deliver the following benefits to mechanical seal market leaders:

- Fast delivery in as little as 24 hours*
- Increase overall equipment reliability
- Reduce total cost of ownership
- Reduce the number of bad actor equipment
- Able to withstand upset conditions
- Enable standardization

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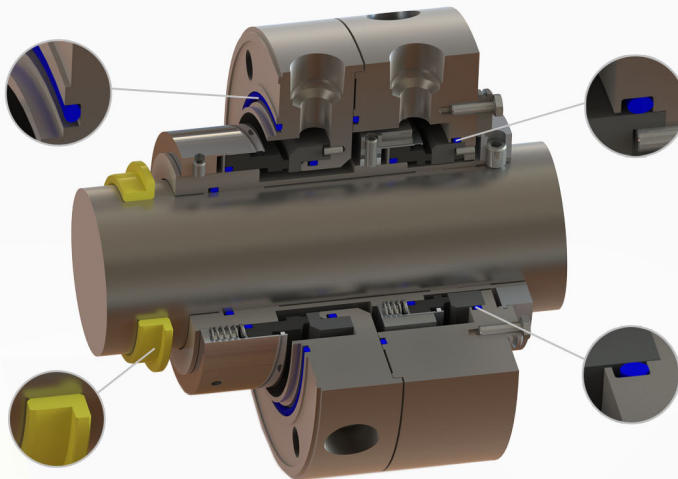
WET SEALS

Perfluoroelastomers (FFKM):
• Chemraz®

Bushings:
• WR® Composites
• AR® Composites

FEPM:
• Fluoraz®

Low-Temperature
Elastomers:
• Xyfluor®



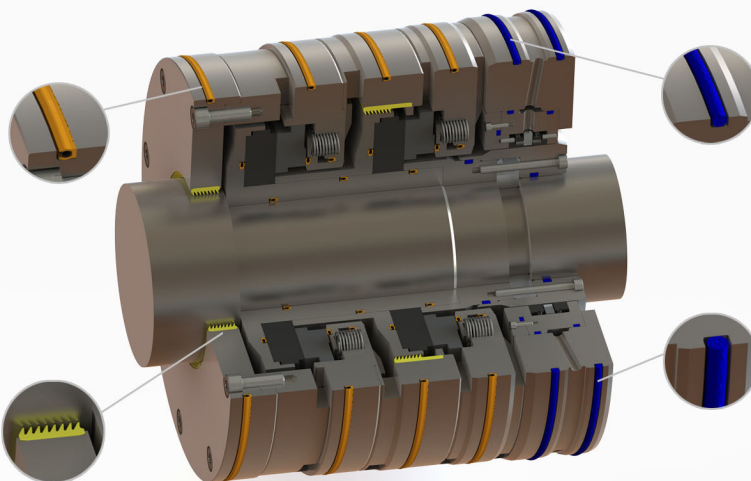
GAS SEALS

PTFE Lip Seals:
• Metal Spring Energized (MSE®)

Labyrinth Seals:
• Arlon® PEEK

Perfluoroelastomers (FFKM):
• Chemraz

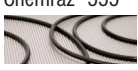


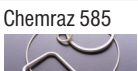
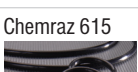
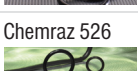
Rapid Gas Decompression
(RGD) Resistant Elastomers:
• Chemraz 526
• FKM 935
• FKM 938
• FKM 944





*actual delivery dependant on material availability, quantity and location

ELASTOMERS*


FFKM (Perfluoroelastomers)

 Chemraz® 555	10°F to 600°F (-10°C to 315°C)	Best-in-class combination of chemical resistance and heat tolerance	CC HT
 Chemraz 505	-20°F to 445°F (-30°C to 230°C)	Universal compound; ideal for mixed media	CC
 Chemraz 605	-5°F to 500°F (-20°C to 260°C)	Withstands higher temperatures, hot amines and steam	CC
 Chemraz 585	-20°F to 430°F (-30°C to 220°C)	Superior performance in demanding chemical processes	CC
 Chemraz 615	0°F to 615°F (-20°C to 325°C)	Best high-temperature capability	HT
 Chemraz 526	-5°F to 480°F (-20°C to 250°C)	RGD resistant with broad chemical compatibility	RGD


RGD-Resistant FKM (Fluorelastomers)

 FKM 938	-35°F to 450°F (-40°C to 230°C)	Norsok M-710 and TotalFina certified; sour gas and methanol resistant	RGD
 FKM 944	-35°F to 450°F (-40°C to 230°C)	Unrivaled RGD performance; passed ISO 23936-2 (Norsok M-710) at 392°F (200°C) and 150 bar/minute with zero damage	RGD

FEPM (Tetrafluoroethylene/Propylene)

 Fluoraz® 797	20°F to 450°F (-5°C to 230°C)	Excellent performance in steam and hot water	SR
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Fluorinated Elastomers



 Xyfluor® 860	-75°F to 450°F (-60°C to 230°C)	Lowest temperature limit with chemical resistance similar to an FFKM	LT
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CC = Superior Chemical Compatibility
 HT = High Temperature
 LT = Low Temperature
 RGD = Rapid Gas Decompression
 SR = Steam Resistant

* List of compounds is not exhaustive. Additional compounds are available to meet specific application needs.


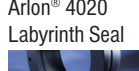
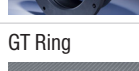
THERMOPLASTIC COMPOSITES

Bushings

 WR®525	525°F (275°C)	High service temperature and compressive strength
 WR600	500°F (260°C)	Broad chemical resistance with extended dry-run capability

CUSTOM DESIGNS

Seals

 MSE® Seal	-420°F to 600°F (-250°C to 315°C)	Spring-energized PTFE lip seal
 Arlon® 4020 Labyrinth Seal	-40°F to 390°F (-40°C to 200°C)	PEEK-based material provides exceptional chemical resistance in mercury (Hg) and sour gas (CO ₂ /H ₂ S)
 GT Ring	Temperature limit based on elastomer selection	Customizable designs with elastomeric shapes for high-pressure applications



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Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.