

Pharmaceutical Ready ML-200 Gas Barrier Non-Contacting Mixer Seal

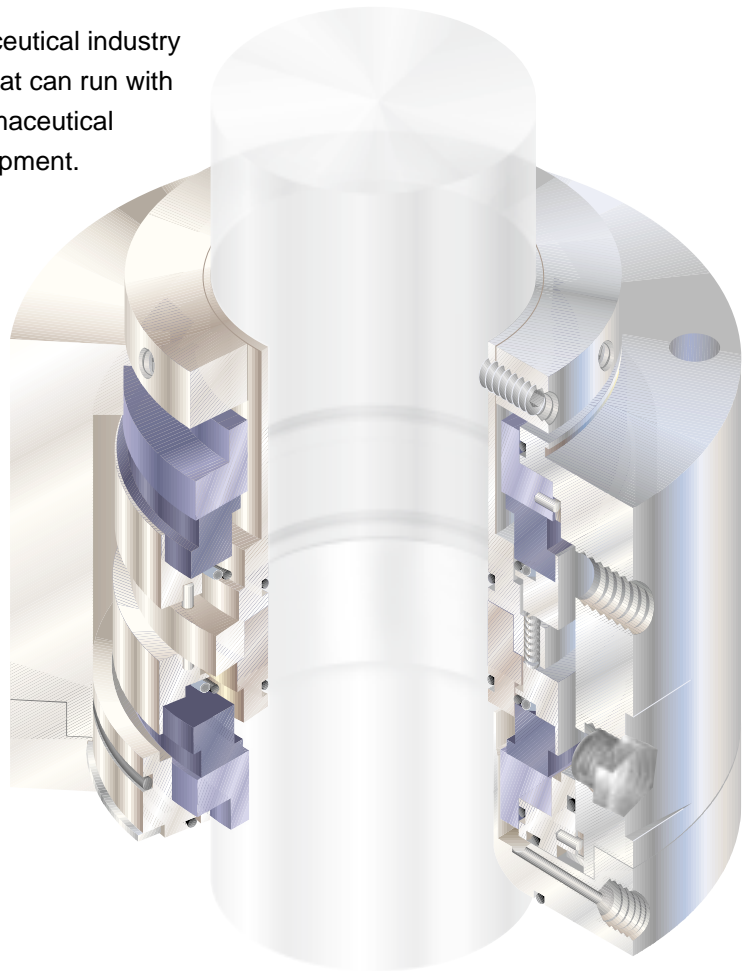
To meet the increasing demand in the pharmaceutical industry for dry-running, dual mechanical mixer seals that can run with an inert barrier gas, Flowserve offers the pharmaceutical ready ML-200 for new and existing mixing equipment. Based on Flowserve's gas sealing designs made popular for pumping applications, the ML-200 seal was designed specifically for mixer applications with the following features unique to the pharmaceutical industry:

Mixer Seal Design Features

- Dry nitrogen barrier gas
- Face lift off with pressure only
- Handles up to .125" F.I.M. runout
- True Zero Emissions dual seal
- Lift off design results in NO face wear debris
- Bearing and debris well optional
- Cartridge design

Special Pharmaceutical Features

- Non-pooling design
- FDA recognized materials
- Sanitary gland feature distributes heat, steam or chemical agents to sterilize seal parts
- Suitable for SIP/CIP
- Welded connections to eliminate contamination issues with thread connections (optional)
- Electropolish finish option



Standard Operating Window

| Shaft Size | Maximum Speed (RPM) | Maximum Barrier Pressure (psi) | Temperature |
|----------------|---------------------|--------------------------------|----------------|
| 1.000 - 9.000" | 500 | 100 | -40 to 300° F* |

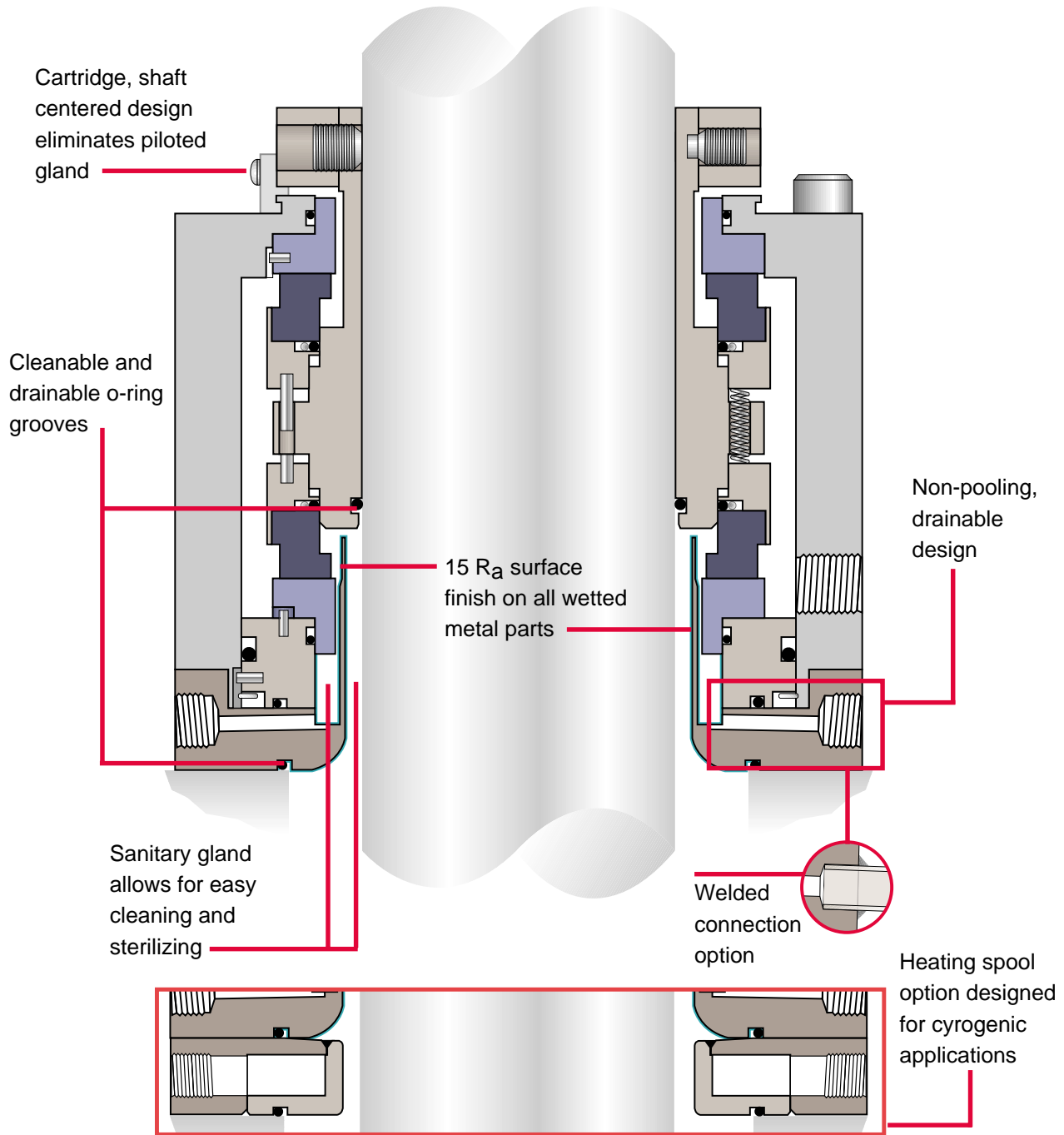
Barrier media: air or nitrogen

Consult your local Flowserve representative for specific applications

* Cryogenic designs available upon request

Pharmaceutical Ready ML-200 Features

All FDA recognized materials



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Primary Worldwide Flow Solutions Division Locations

Licenses, authorized agents, and affiliated companies located worldwide.

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