

Recommendations for Filter/Dryers in Pharmaceutical Applications

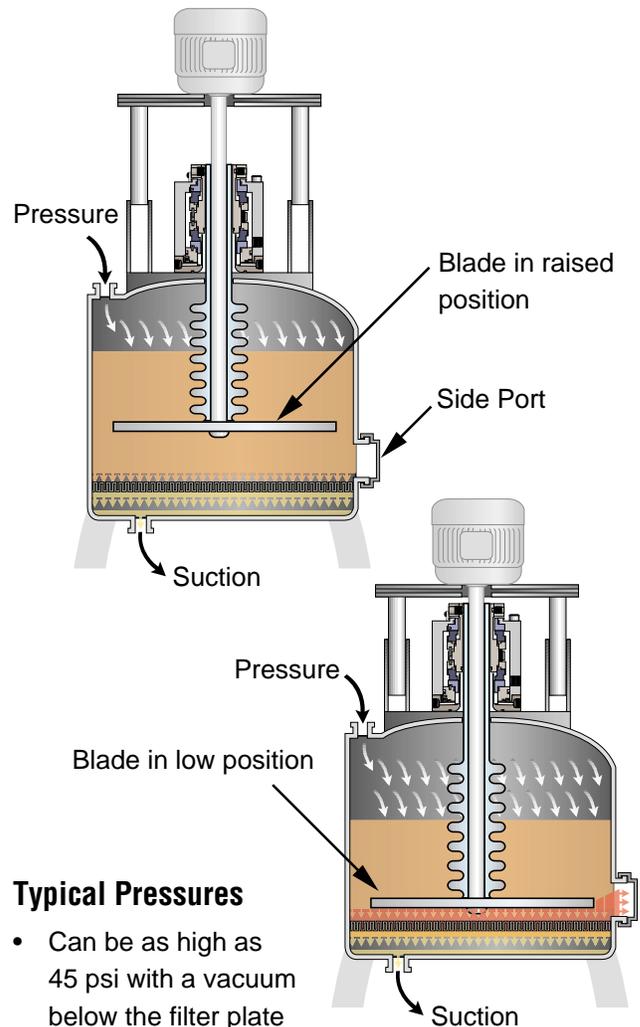
Filter - Filter solids out of slurry

Typical Filter

- Filter is charged with slurry
- Pressure is added on top, and vacuum to bottom discharge, driving liquid through filter plate
- Filtrate is removed through bottom flange port
- Blade can be dropped to its low position when different liquid is added to mix with remaining solids, or when mixing of slurries is required
- Slurry can be filtered again
- Blade can be lowered to smooth the remaining solids, or to pack the solids
- The blade can be plunged into the solids to push them out the side port



*Filter/Dryer with bottom discharge
manufactured by 3V COGEM S.P.A.*



Typical Pressures

- Can be as high as 45 psi with a vacuum below the filter plate

Typical Temperatures

- Can be as high as 250° F

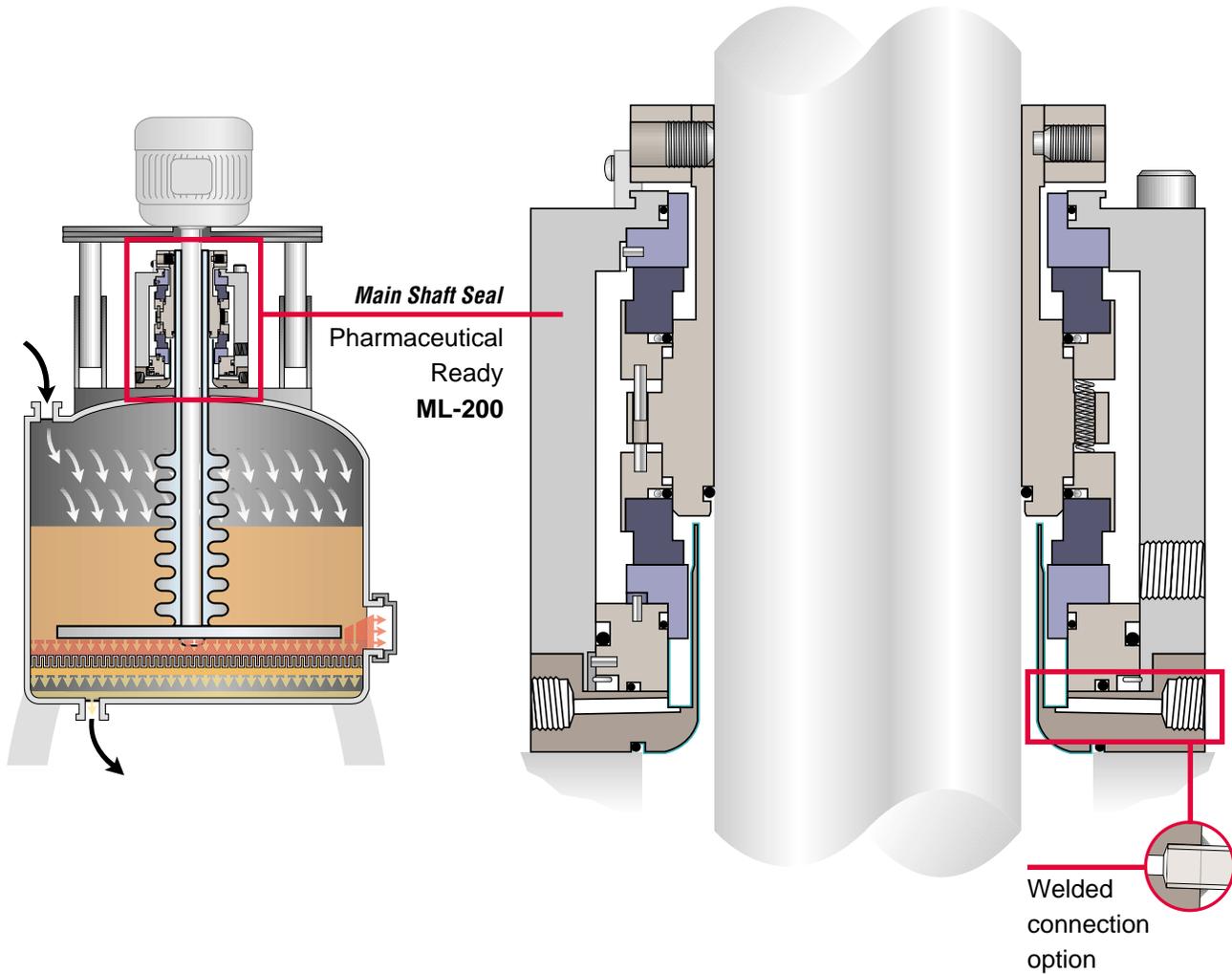
Typical Operating Cycle

- Charge Slurry
- Pressurize and heat
- Drop blade into slurry, mix
- Vacuum on bottom discharge to collect filtrate
- Remix solids with another liquid
- Filter again
- Remove solids out side discharge

Flowserve Seal Recommendations

Flowserve Seals

Double dry running mechanical Slurry seals such as MD-200, or ML-200 have become the standard for this equipment.



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