

# APPENDIX RA-5

## SERVICE TEMPERATURE RANGES BY SEAL MATERIAL

Seal Material	Temperature Range
Buna N or Nitrile (NBR)	-40°F to 250°F (-40° C to 121° C)
Butyl (IIR)	-75°F to 250°F (-59° C to 121° C)
Fluorocarbon (Viton®)	-15°F to 400°F (-26° C to 204° C)
Ethylene Propylene (EPDM)	-70°F to 250°F (-56° C to 121° C)
Neoprene	-35°F to 225°F (-37° C to 107° C)
Silicone	-65°F to 450°F (-53° C to 232° C)
Fluorosilicone	-100°F to 350°F (-73° C to 176° C)

**NOTE:** These temperature ranges will apply to the majority of media for which the material is potentially recommended. With some media however, the service temperature range may be significantly different. Always test seal and media combinations under actual service conditions.