



## O-Ring Seal Selection Guide

This abridged list provides seal code numbers for most of the common standard and special fluid service requirements used with Kep-O-seal® valves. If your requirement is not shown, please contact the factory for a special recommendation. New developments in O-ring compounds may obsolete these recommendations. *It is suggested that service conditions be noted on order.*

Seal Code Number	Service Conditions	Temperature Range °F	Compound
<b>-1**</b>	General purpose oils and lubricants, hydraulic oil, air, water.	-40 to 300 oil 250 air	Buna-N
<b>-3**</b>	High grade exotic material for services requiring a generally inert seal material or wide temperature range.	-300 to 450	Teflon®
-6	90 Durometer Buna-N. General purpose oils and lubricants, hydraulic oil, air, water.	-30 to 275	Buna-N
<b>-9**</b>	Refrigeration gases, (Freon 12, Freon 22), chlorine bleaching compounds - low pressure oxygen.	-45 to 300	Neoprene
-17	Military synthetic lubricants, (MIL-L-7808, MIL-L-6387, MIL-L-6085). Mil. Spec. MIL-R-7362B Specification Comp.	-65 to 300	Buna-N
<b>-18**</b>	High grade exotic material - petroleum base fluids, many chemicals, high temperature service.	-20 to 400	Viton®
-20	Military hydraulic fluids, (MIL-H-5606). Specification Compound MIL-P-25732.	-65 to 275	Buna-N
-21	High temperature air, oxygen, etc. Consult factory for specific recommendation.	-65 to 450	Silicone
-22	Military aircraft fuels, (0 to 30% Aromatics, MIL-F-5572A, MIL-F-5642C, MIL-H-3136, RP-1), Compound MIL-P-5315A.	-65 to 200	Buna-N
<b>-25**</b>	Steam, water, silicone oils & greases, alkalis, ketones. Excellent for Phosphate Ester base fire resistant fluids.	-70 to 400	Ethylene-Propylene
Kalrez	Excellent chemical resistance, for service in hot, corrosive environments, oil well sour gas - consult factory for availability.	to 600	Kalrez®

**\*\* Seal Code Numbers in bold are standards in the price book.**

**Above data is for O-ring only. Valve metal must also be suitable for media and temperature.**

Consult Factory or Distributor for more help. Customer/user is solely responsible to select products suitable for their specific application requirements and to ensure proper installation, operation and maintenance of these products. Improper selection or use of products can cause personal injury or property damage. All sales are subject to Kepner Products Company Standard Terms and Conditions of Sale. Designs are subject to change without notice.