

# Selection Guide for EKK Global Cartridge Seals

The mechanical seal type should be selected from the following list of capabilities. Finding the type that meets the requirements of the application. Begin at the top left hand corner and move across the table to the right, when a capability is exceeded by the application then drop down a row and start at the left again. The appropriate seal is found when all the capabilities of a row meet the application. For applications involving fluids other than oil or water, higher temperatures, higher pressures, faster speeds, or any other special requirements contact your local sales representative.

TYPE	Material Combination.	Temp °C (°F)		Press., Mpag(psig)		Speed/Velocity	
		Water	Oil	Water	Oil	RPM	m/s(ft/s)
MA222	Ceramic. x Carbon. x Nitrile	60(140)	80(176)	0.5(72) Fig1	0.5(72) Fig1	3,600	10(32.8)
MA250	SiC x Carbon x Viton®	60(140)	160(320)	1.3(190) Fig2	1.6(230) Fig2		20(65.6)
MA251	SiC x SiC x Viton®	60(140)	160(320)	1.0(145) Fig3	1.6(230) Fig3		20(65.6)
MA290	SiC x Carbon x Viton®	60(140)	160(320)	1.6(230) Fig4	2.0(290) Fig4		20(65.6)
MA291	SiC x SiC x Viton®	60(140)	160(320)	1.0(145) Fig5	1.6(230) Fig5		20(65.6)
MD250	SiC x Carbon x Viton®	80(176)	160(320)	1.3(190) Fig6	1.6(230) Fig6		20(65.6)

[ Consult your local sales representative for back-up system  
when temperature is below 0°C (32°F) ]

Fig1 MA222

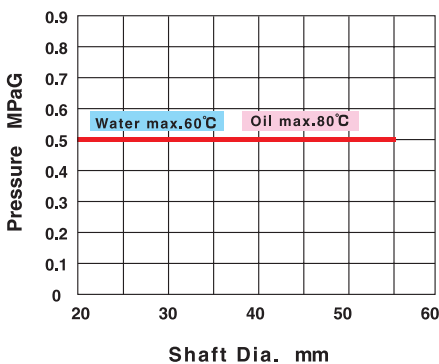


Fig2 MA250

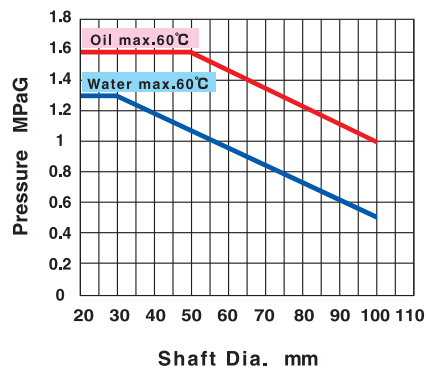
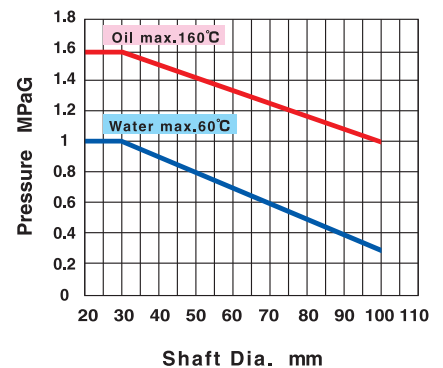
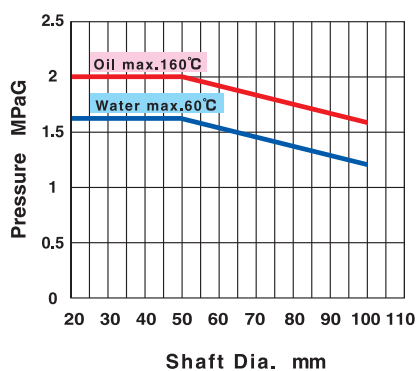


Fig3 MA251

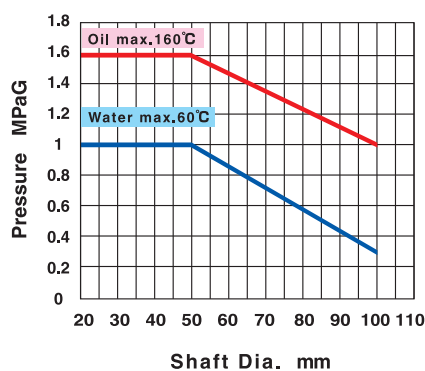


	Slurry (wt %)	Viscosity (cp)	Flushing	Quenching	Designed to ISO/DIN	
	0.3	300	Yes	No	No	Rotating
	0.3	500	Yes	No	Yes	Stationary
	7.0	1000	Yes	No	Yes	Stationary
	0.3	500	Yes	Yes	Yes	Stationary
	10.0	3000	Yes	Yes	Yes	Stationary
	0.3	500	Yes	Yes	Yes	Stationary

**Fig4 MA290**



**Fig5 MA291**



**Fig6 MD250**

