

# KEMPRESS® STAINLESS 316L APPLICATION GUIDE\*

\* To be used as a general guide only. Users must independently confirm suitability of the pipe system including the seal material for their application. Pressure, temperature and Watermark requirements must also be taken into account when determining suitability. MM Kembla assumes no responsibility.

COMPATIBILITY RATING	Standard (EPDM)	Industry (FKM)	Gas (HNBR)
AA SATISFACTORY			
A FAIR			
B CONTACT MM KEMBLA			
- UNSATISFACTORY			
* INSUFFICIENT DATA/CHECK WITH MM KEMBLA			
TYPICAL APPLICATIONS			
A			
ACETIC ACID, GLACIAL (5%)	AA	AA	-
ACETIC ACID, GLACIAL (10%)	AA	AA	-
ACETIC ACID, GLACIAL (HOT, HIGH PRESS)	-	-	-
ACETONE	AA	-	-
ACETYLENE	AA	AA	AA
ARGON GAS	AA	AA	AA
B			
BENZENE	-	-	-
BUTANE GAS	-	-	AA
BUTYL ALCOHOL	AA	AA	AA
C			
CARBON DIOXIDE (DRY)	AA	AA	AA
CHLORINE, WET	-	-	-
CHLOROFORM	-	AA	-
CITRIC ACID	AA	AA	AA
COMPRESSED AIR >5MG/M3 OIL CONTENT	-	AA	-
COMPRESSED AIR <5MG/M3 OIL CONTENT	AA	AA	-
D			
DIESEL OIL	-	AA	-
DIOCTYL PHTHALATE	-	*	-
DOMESTIC FIRE SPRINKLER SYSTEMS	AA	AA	-
E			
ETHANE GAS	-	-	AA
ETHANOL -20°C TO +25°C	AA	AA	AA
ETHYL BENZENE	-	AA	-
ETHYLENE GLYCOL	AA	AA	-
F			
FORMALDEHYDE	*	-	-
FORMIC ACID	*	*	*

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TYPICAL APPLICATIONS			
G			
GASOLINE/PETROLEUM	-	*	*
GLYCOL, PROPYLENE	AA	AA	-
GLYCOL, ETHYLENE	AA	AA	-
H			
N-HEXANE	-	*	*
HELIUM GAS	AA	AA	AA
HOT WATER <120 °C	AA	AA	-
HOT WATER 120 °C TO 200 °C (SOLAR COLLECTORS)	-	AA	-
HYDRAZINE	*	-	-
HYDROCHLORIC ACID, CONCENTRATED	-	-	-
HYDROGEN GAS	AA	AA	*
HYDROGEN PEROXIDE	*	*	-
I			
IODINE	*	*	*
ISOPHORONE (KETONE)	*	*	*
ISOPROPANOL	*	*	*
J			
K			
KEROSENE	-	*	*
L			
LIQUID PETROLEUM GAS (200 KPA LIMIT)	-	*	AA
M			
METHANE GAS	-	-	AA
METHANOL	AA	*	AA
METHYL ACETATE	*	-	-
MINERAL OILS	-	AA	AA

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- UNSATISFACTORY			
* INSUFFICIENT DATA/CHECK WITH MM KEMBLA			
TYPICAL APPLICATIONS			
N			
NAPHTHA	-	*	*
NATURAL GAS (200 KPA LIMIT)	-	-	AA
NITRIC ACID	*	-	*
NITROGEN GAS	AA	AA	AA
O			
P			
POTABLE/DRINKING WATER	AA	AA	-
PROPANE GAS	-	-	AA
PURIFIED WATER RO	AA	*	-
PROPYLENE GLYCOL	AA	AA	-
Q			
R			
RAIN WATER	AA	AA	-
RAPESEED/CANOLA OIL	*	*	*
S			
SEA (SALT) WATER	-	-	-
SILICONE GREASES	AA	AA	AA
SOLAR HOT WATER 120°C TO 200°C	-	AA	-
STEAM CONDENSATE <120°C	AA	AA	-
STEAM SATURATED <150°C	*	*	-
T			
U			
V			
W			
WATER, POTABLE	AA	AA	*
WATER, PURIFIED RO	AA	*	
X			
Y			
Z			