

431-KFxx-CR-ALU

Aluminium seals for KF flanges DN16KF to DN63KF

If KF components are used with a metal seal and a matching Chain Clamp, UHV vacuum level, with leak rates below 10⁻¹⁰ mbar l/s can be reached.

Stainless Steel Flanges must be used for the Aluminum metal seals.



Various Aluminium seals for KF flanges

	Value
Material	Aluminium 99,5% (EN AW-1050A)
Temperature	-200° ... +150°C
Permeability	<10 ⁻¹⁰ mbar l/s * mm/m ² bar
Vacuum	UHV, 10 ⁻¹⁰ mbar
Usage	single use
Type of seal	Outer centred
Available sizes	16KF (10KF) 25KF (20KF) 40KF (32KF) 50KF 63KF
Required flange material	Stainless Steel
Required clamp	Chain clamp, Aluminium or Stainless Steel
Options	Inner centred seals Copper seals

Allectra offers pure Aluminium seals (99.5%), which are significantly more reliable than seals made out of harder Al alloys!

Aluminium seals are available for ISO-K flanges as well.