

# KF & ISO VACUUM COMPONENTS OVERVIEW



## OVERVIEW

The KF (small flange) and ISO (large flange) series of flanges and fittings are specialty vacuum components used in high vacuum and ultra-high vacuum systems. The components are compatible with industry standard tube O.D. sizes defined by the International Standards Organization (ISO) 2861 standards and tolerances.

The components are available in a large range of sizes from 0.50" to 20.00". They are sealed by an o-ring and secured by clamp(s) acting on the outer flange surface. This allows for quick connect and disconnect of the components with minimal tools.

## ADVANTAGES OF USING HIS VACUUM COMPONENTS

- Complete line of fittings available
- Quick connect and disconnect
- Leak-tight
- Cost effective
- Adapters to other flange series

## MATERIALS

- 304 stainless steel
- 316/316L stainless steel

## FINISH

- Standard matte finish
- Other finishes available upon request

## TEMPERATURE RANGE

- Viton® seal maximum temperature is 200° C (392° F)
- Buna-N maximum temperature is 100° C (212° F)

## PRESSURE RANGE

Limiting pressure is  $10^{-8}$  Torr. Standard components can be used to slight overpressure of 0-5 psi, with an overpressure ring.