



## *ECOCS® - Metal Seal*

- Provides high sealing performance with low tightening loads due to springiness not exhibited by metal O-rings.
- Seals for high-temperature to cryogenic environments, such as sections close to exhaust gas.
- Suitable for mass production since metal seals are press-molded.



Metal seal for extremely high and low temperatures where a rubber gasket cannot be used. Therefore ECOCS® was developed to be used in harsh environments like hot exhaust gas conditions. The seal also offers a stable seal function in high pressure conditions due to the flexibility that comes from its sectional "C" shape without any welding seam.

The shape also contributes to the improved ease of assembly and reduced load onto flange and weight saving, since the clamp load of ECOCS® is roughly half of the clamp load of a metal O-ring. Since ECOCS® is produced as a stamped part, there is no welding joint. This improves the sealing function significantly.

## Specifications:

Technical features	
<b>Sealed fluid</b>	Various high-temperature/cryogenic gases and liquids such as combustion gases and liquefied fuels
<b>Temperature</b>	-200 °C ~ 650 °C
<b>Pressure</b>	Vacuum to 40 MPa
<b>Material</b>	Base metal: Inconel, etc. Surface coating: silver, etc. (plating)
<b>Surface plating</b>	Silver (a.o.)
<b>Outside diameter</b>	Ø10 ~ Ø130
<b>Height</b>	3,2 mm
<b>Thickness</b>	0,4 mm

