HUTCHINSON®

We make it ***possible***

Gasholder Seals

Steel and Chemical Industries

HUTCHINSON®

HIGH RESISTANCE GASHOLDER SEALS

With increasing ecological challenges, the recovery and storage of residual gases from iron and steel production has become essential. Hutchinson develops and manufactures rubber membranes with reinforced textile to ensure an optimal sealing of the gasholders.

Our gasholder seals are compatible with Wiggins type dry gasholders, up to 100,000m³, used in steel plants, but also for conical gasholder in biomass and chemical plants. Our gasholder seals are resistant to converter gas and BOF (Blast Open Furnace) that can be found in Wiggins gasholders.

The complete production process is in our hands from custom design to assembly supervision including rubber production, calendering, manufacturing, and inspection.
The design of the membrane and its hot vulcanized welds give the membrane a special flexibility and resistance, limiting constraints and areas of accelerated aging. This robustness enables an extended service life around 20 years, reduces maintenance interventions and the corresponding risks. The robustness of our membrane minimizes maintenance fees and improves the site's performance.

For an optimal use of our solutions, we are able to install Smart Sensors to anticipate maintenance actions and warn of wear and tear.

The recovery of gases from steel processing helps to limit the toxic impact on the environment and people by reducing carbon monoxide and carbon dioxide emissions according to Kyoto Protocol and Paris Agreement.

SEALS FEATURES

	TN300P	TN270P
Applications	Wiggins dry gasholder	Biomass & chemical plants
Textile insert	Nylon cord fabric, bi-axial at 90°	Nylon cord fabric, bi-axial at 45°
Rubber Compound	Protected NBR	Protected NBR
Gas Resistance	CO, CO2, methane, converter gas,...	CO, CO2, methane, converter gas,...
Thickness	3.25mm	2.25mm
Longevity	2,000,000 flexions	2,000,000 flexions
Working Temperature	-35 to 80°C	-25 to 80°C
Ozone Resistance*	No visible cracks	No visible cracks
Qualifications	In-house test bench, inspection, and traceability of all hot vulcanized welds	

*(NF G 37-112), 200 ppcm,30°C, Wrapped on 20mm mandrel

BENEFITS

- One of the best robustness of the market for longer lifetime
- Reduction of maintenance
- Works from high to low temperatures
- Custom made design
- Supervision during installations

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