

RELY ON EXCELLENCE

## New: eFlexgen High performance. Low emissions.



Up to 90 % emission  
reduction



Increased safety  
and reliability



Verified by  
Bureau Veritas

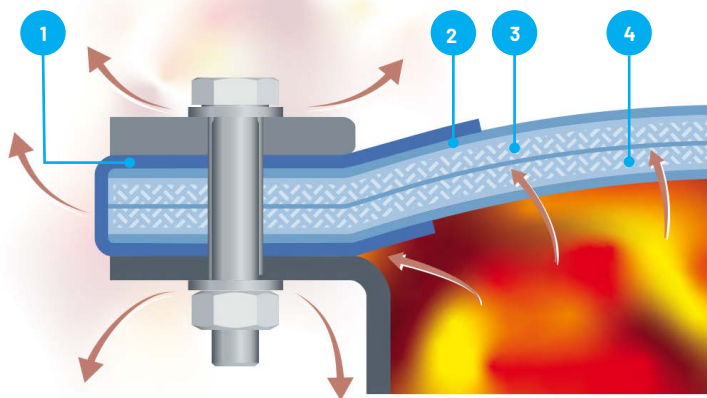


# Unique expansion joint solution for emission reduction

Emission-intensive industries in particular must strive to significantly reduce their emissions in view of the Paris Agreement and EU Green Deal.

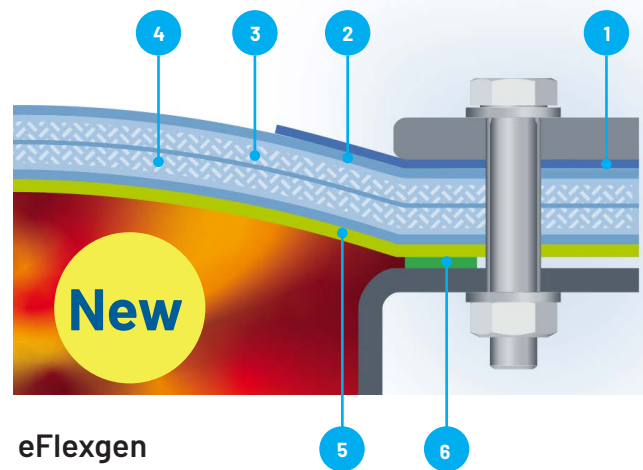
With the new eFlexgen, EagleBurgmann has developed a unique expansion joint solution that contributes directly to the net zero target.

## Improved design for compelling benefits



**Flexgen 2005**

- 1 Flange reinforcement
- 2 Pressure carrying layer / gas seal layer
- 3 Insulation layer
- 4 Support layer



**eFlexgen**

- 5 Addition of a special gas-tight layer to prevent diffusion through the fabric
- 6 Insertion of an extra gasket to close the gap towards the bolted connection



## Technical data

Type	Medium		Temperature				Pressure		Flexibility			Flanges					Velocity		Joining Kit	
	A	N	P-flange-V	PFH100**	max.	min.	max.	min.	max.	min.	Ax.	Lat.	Comp.	P-V	Rad	Back. Flange	DIN	Bolt Quality		Dust
			max.	min.	max.	min.	max.	min.	%	%	%	E	A	mm	CxD	P-flange-V	8.8	m/s	mg/m <sup>3</sup>	
Flexgen 2005	Dry	Dry	550	450	575	-35	1400	-1400	40	20	200	6	20	40	40x10	933/603	M10	<10	50	Yes
eFlexgen	Dry	Dry	550	450	575	-35	1400	-1400	40	20	200	7	22	40	60x12	933/603	M12	<10	50	Yes

## Our commitment to customer success

- Reliable, durable products
- Economical & innovative designs
- On-site inspection & troubleshooting
- In-depth experience
- Supervision & installation service

## Our comprehensive services

- Inspection, evaluation and troubleshooting
- Supervision and installation services
- Emergency repair and services

## Main features

- Multi-layer design for temperatures up to 575 °C
- Compensates movements in all directions
- For dry conditions
- Can be delivered as fabric only or as preassembled unit
- Custom made to fit actual working conditions

## Applications

- Flue gas duct systems
- Boiler inlets and boiler outlets
- Penetration seals
- Process lines
- Stack connections



## Compelling benefits

- Up to 90% lower emissions as well as enhanced robustness and performance
- Improved safety
- Longer lifetime
- Saves energy in specific applications due to increased tightness



Leakage reduction up to 90 % verified by Bureau Veritas

## Industries

- Process industry
- Oil and gas industry
- Refining technology
- Power plant technology
- Pulp and paper industry
- Metal production and processing
- Cement industry

## Our certifications

### Fabric Expansion Joints

- Long-standing member of European Sealing Association ESA
- Certificates: ISO 9001, ISO 14001, ISO 45001, OHSAS 18001

### Metal Expansion Joints

- Member of Euro Qualiflex (AEQ)
- Design according to EN 14917, EN 13445, EN 13480 or EJMA (10)
- Certificates: PED 2014/68/EC, PESR 2016 (UK PED), ISO 3834-2, ISO 9001, ISO 14001, ISO 45001

## What can we do for you?

EagleBurgmann has many years of experience in supplying standard and customized expansion joint solutions to the significant industries – both to OEMs and end users. Through dialogue and cooperation with our customers, EagleBurgmann consults on solution optimization for the most demanding applications and challenges. Contact us.

## EagleBurgmann – at the leading edge of industrial sealing technology

Our products are used wherever safety and reliability count: in the industries of oil & gas, refineries, petrochemicals, chemicals, pharmaceuticals, food, power, water and many more. About 6,000 employees contribute their ideas, solutions and dedication every day to ensure that customers around the globe can rely on our seals. With our modular TotalSealCare Service, we emphasize our strong customer orientation and offer custom-tailored services for every need. [Rely on excellence.](#)

### Wherever you need us

**Europe** • Austria • Belarus • Belgium • Bosnia-Herzegovina • Bulgaria • Cyprus • Czech Republic • Denmark • Estonia • Finland • France • Germany • Great Britain • Greece • Hungary • Ireland • Italy • Latvia • Lithuania • Netherlands • Norway • Poland • Portugal • Romania • Russia • Serbia • Slovak Republic • Slovenia • Spain • Sweden • Switzerland • Turkey • **Middle East** • Bahrain • Israel • Jordan • Kuwait • Lebanon • Oman • Qatar • Saudi Arabia • United Arab Emirates • Yemen • **Africa** • Angola • Botswana • Cameroon • Egypt • Gabon • Ghana • Kenya • Madagascar • Malawi • Mauritius • Mozambique • Namibia • Nigeria • South Africa • Sudan • Tunisia • Uganda • Zambia • Zimbabwe • **Americas** • Argentina • Brazil • Canada • Chile • Colombia • Ecuador • Mexico • Paraguay • Uruguay • United States • Venezuela • **Asia-Pacific** • Australia • Azerbaijan • Bangladesh • China (mainland) • India • Indonesia • Japan • Kazakhstan • Korea • Malaysia • New Zealand • Pakistan • Philippines • Singapore • Sri Lanka • Taiwan • Thailand • Vietnam • [www.eagleburgmann.com/en/international](http://www.eagleburgmann.com/en/international)

[eagleburgmann.com](http://eagleburgmann.com)  
[info@eagleburgmann.com](mailto:info@eagleburgmann.com)