

BAUER FG™ SERIES

FUGITIVE GAS CAPTURE AND RECOMPRESSION SYSTEM
FOR NATURAL GAS PIPELINES

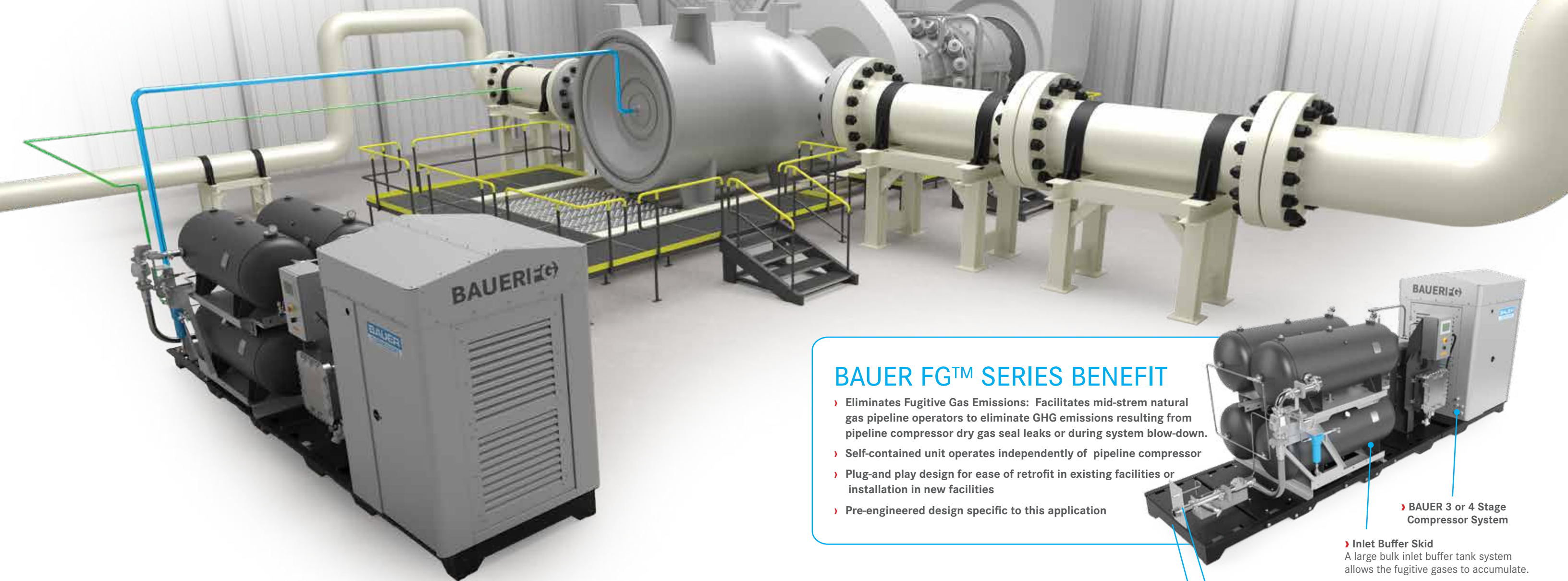


WORLDWIDE

QUALITY

INNOVATION

RELIABILITY



REACH YOUR ZERO METHANE EMISSIONS GOAL

Operators of natural gas pipelines in the mid-strem sector are under increasing pressure to reduce greenhouse gas (GHG) emissions resulting from fugitive methane gas being discharged into the atmosphere in the natural gas transmission process. In addition, operators are facing increased regulation at the federal, state and local level related to GHG emissions and carbon footprint. In 2023, Canada will implement sweeping regulations on midstream natural gas transmission operators severely capping the amount of fugitive GHG’s in the midstream process.

Fugitive methane emissions emanating from natural gas transmission pipeline compressor stations are one of the main sources of greenhouse gas (GHG) pollution in the midstream process. There are two main sources of methane emissions at these stations:

- 1. Methane leaks emanating from the dry gas seals of centrifugal compressors: The typical leakage from centrifugal compressor dry gas seals is 2-4 SCFM per compressor which amounts to 1 to 2 million cubic feet of gas per year per compressor.
- 2. Large volume methane discharge resulting from compressor station blowdown (depressurization) during maintenance and repair.

BAUER FG™ SERIES FUGITIVE GAS SOLUTION

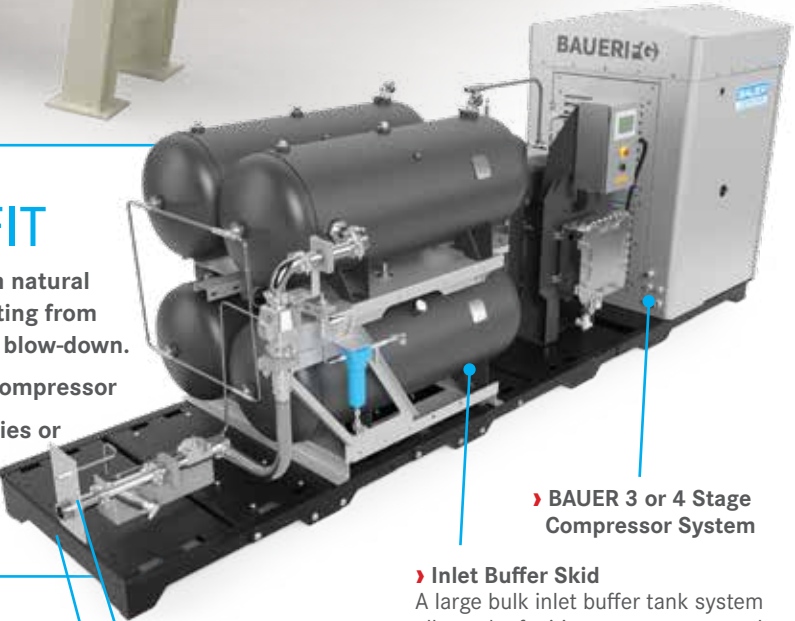
The BAUER FG™ Series Fugitive Gas Solution captures fugitive methane gas emanating from dry gas seals as well as from system blow-downs during maintenance and repair cycles. After capturing and compressing the fugitive gas, the BAUER FG™ Series Compressor system re-injects the compressed gas back into the pipeline either upstream or downstream of the centrifugal pipeline compressor.

BAUER FG™ SERIES BENEFIT

- › Eliminates Fugitive Gas Emissions: Facilitates mid-strem natural gas pipeline operators to eliminate GHG emissions resulting from pipeline compressor dry gas seal leaks or during system blow-down.
- › Self-contained unit operates independently of pipeline compressor
- › Plug-and play design for ease of retrofit in existing facilities or installation in new facilities
- › Pre-engineered design specific to this application

STANDARD SCOPE OF SUPPLY

- › BAUER 3 or 4-stage high-pressure gas compressor system
- › Gas inlet buffer skid
- › PLC controller with integrated touchscreen HMI
- › Class 1 Div 2 Group D Classification
- › 230 / 480 / 575 volts,3 phase 60 hz
- › ASME / CRN and UL / CSA Rating
- › BAUER CONNECT® Remote IOT (Remote system monitoring and control)



› BAUER 3 or 4 Stage Compressor System

› Inlet Buffer Skid
A large bulk inlet buffer tank system allows the fugitive gases to accumulate.

› Gas Outlet to pipeline

› Gas Inlet from centrigrual compressor

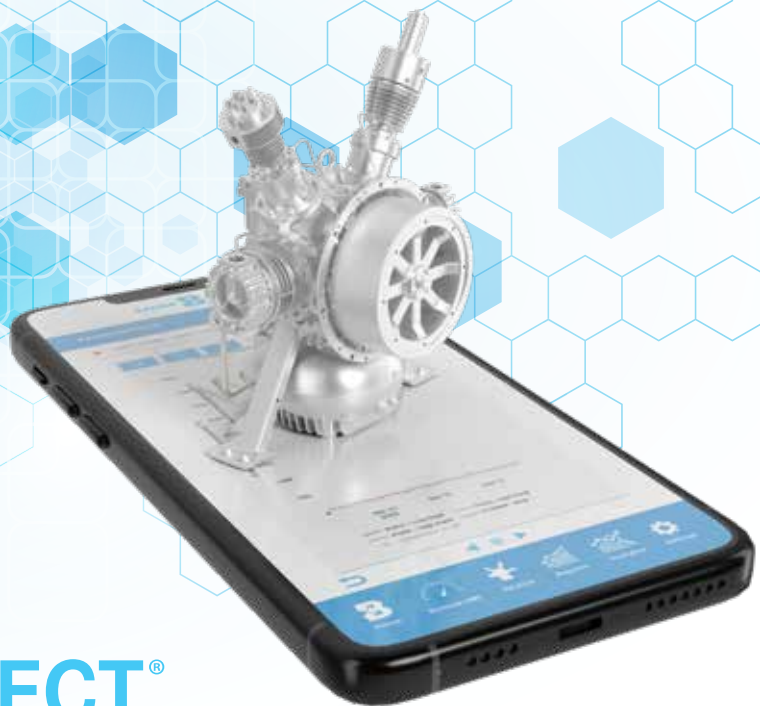
SYSTEM OPTIONS

- › Weatherproof enclosure
- › Special cold weather execution for ambient temperatures down to -45°F
- › Methane detection sensor

TECHNICAL DATA

Model	Inlet Pressure				Final Pressure		Capacity						Number of Stages	Running Speed	Motor	
	PSIG		BAR		PSIG	BAR										
	MIN	MAX	MIN	MAX	MAX	MAX	CFM	M³/H	DGE/H	DLE/H	GGE/H	GLE/H			RPM	HP
FG Series 1	1	5	0.07	0.34	5000	345	9	15	4	15.1	4.5	17	3	1350	7.5	5.5
FG Series 2	1	5	0.07	0.34	5000	345	22	37	9	34	11	42	4	1350	20	13.3
FG Series 3	—	60	—	4.14	5000	345	27	46	12	45	14	53	3	1350	15	10.9

Note: All capacities are referenced to maximum inlet pressure. Capacity is reduced if the inlet pressure is less than maximum. Performance tolerance +/- 5%. Please contact your BAUER representative for details about our warranty. 1) + or - 5% dB



IOT REMOTE TELEMETRY AND CONTROL

BAUER CONNECT® is an app and internet-based IoT solution which allows BAUER customers to remotely monitor - and control - the performance of the entire BAUER system through any wireless mobile device or computer; anytime, anywhere.

Key Features: allow customers to increase efficiency and productivity, save time, do more with fewer resources, enjoy lower operational costs, and have total flexibility with a solution tailored specifically for the end-user.

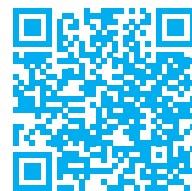
BAUER CONNECT® - Connection that matters.

TO LEARN MORE VISIT

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