



SEPURAN® Green
Product overview

OUR PRODUCTS



SEPURAN® Green

4"

6"

6" S2F

Material of construction

Housing	SS316 / 1.4404	SS316 / 1.4404	SS316 / 1.4404
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P/T rating

Pressure	≤ 20 barg / ≤ 290 psig	≤ 20 barg / ≤ 290 psig	≤ 20 barg / ≤ 290 psig
Temperature	1-70 °C / 34 - 158 °F	1-70 °C / 34 - 158 °F	1-70 °C / 34 - 158 °F

Performance

Purity	> 99%*	> 99%*	> 97%**
Yield	> 99%*	> 99%*	> 97%**

Nominal dimensions

diameter x length	114.3 x 1292 mm	168.3 x 1396 mm	168.3 x 1396 mm
	4.5 x 50.9"	6.6 x 55.0"	6.6 x 55.0"

Thread

Type	G-Thread	Victaulic / G-Thread	Victaulic / G-Thread
Feed and retentate	3/4"	1.5" / 1.0"	1.5" / 1.0"
Permeate	3/4"	2.0" / 1.5"	2.0" / 1.5"

Weight

	22.5 kg / 49.6 lbs	35.3 kg / 77.8 lbs	35.3 kg / 77.8 lbs
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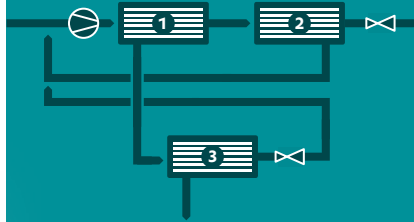
* 3-stage process
 ** 2-stage process

Evonik offers market and project specific process options

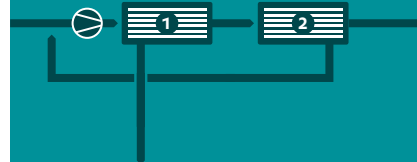
New product



PATENTED 3-STAGE MEMBRANE-BASED GAS SEPARATION PROCESS



2-STAGE MEMBRANE-BASED GAS SEPARATION PROCESS



YIELD



PURITY



EFFICIENCY



FOOTPRINT



YIELD



PURITY



EFFICIENCY



FOOTPRINT



Highest Efficiency with 3-stage SEPURAN® Green

Markets asking for high efficiency and maximizing output choose the patented 3-stage process

The customers' preferred Evonik patented solution with more than 200 references worldwide reduces the loss of valuable renewable natural gas to its minimum and therefore maximizes the amount of sales gas. The simplicity of a single compressor solution with the minimum recycle flow required provides the lowest maintenance and highest uptime. Offering its patented 3-stage membrane-based gas separation process Evonik has set new European efficiency standards for biogas upgrading.

Optimized Economics with SEPURAN® Green S2F

Markets desiring a lower up-front investment with simple process designs and fewer control parameters have the option of the 2-stage process

Good yields and a process optimized for capital-cost can be achieved with a 2-stage process delivering good efficiency (<2% methane slip) at lower cost and smaller footprint.

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° = registered trademark

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