

Compare specifications

We publish these documents to explain our business, technical options and plans. Specifications remain subject to final design and supplier confirmation. Financial projections are estimates; our proposed projects depend on funding and approvals.

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Operating assumptions	Medium station	High-capacity station
Initial module (m³/h)	180	400
Gross installed cost (USD)	180,000	360,000
Mature annual volume (scm)	550,000	1,200,000
Starting selling price (USD/scm)	0.85	0.85
Starting gas/logistics cost (USD/scm)	0.52	0.52

USD price/cost escalation: 3% annually. Station OPEX: 12% of revenue; corporate/technology: 4%; maintenance: 2%; marketing: 2.5%. Operating calendar: 16 hours/day, 330 days/year. These are model assumptions.

Financial deployment starts with 180 m³/h medium and 400 m³/h high-capacity modules, expandable toward 1,100 and 2,400 m³/h. The larger reference packages below are not the initial installed capacities used by the model. The 500 m³/h options are outside the modelled 105/45 mix.

Our financial plan — references: Assumptions!B17:B39, K52:K53 · Unit Economics!B5:C17

Configuration	A · Compact 500	B · Buffered 500	C · Mid-range 1000 / 1200	D · Twin 2000 / 2400	E · Twin + extended buffer	F · Triple 3000
Listed compressor flow	500 m³/h	500 m³/h	1000 / 1200 m³/h	2000 / 2400 m³/h	2000 / 2400 m³/h	3000 m³/h
Compressor arrangement	500 m³/h · unit count not stated	500 m³/h · unit count not stated	1 × 1,000 / 1,200 m³/h	2 × 1,000 / 2 × 1,200 m³/h	2 × 1,000 / 2 × 1,200 m³/h	3 × 1,000 m³/h
Dryer rating	500 m³/h	500 m³/h	1,000 / 1,500 m³/h	2,000 / 2,500 m³/h	2,000 / 2,500 m³/h	3,000 m³/h
Process box · L × W	7 × 2.5 m	9 × 2.5 m	12 × 2.5 m	15 × 2.5 m	12 × 2.5 m + 8 × 2.5 m	2 × 12 × 2.5 m
Derived box area	17.5 m²	22.5 m²	30.0 m²	37.5 m²	50.0 m²	60.0 m²
Accumulator volume	500 L	2,000 L	2,000 / 2,500 / 3,000 L	2,000 / 2,500 L	4,000 / 5,000 / 6,000 L	3,000 L
Dispenser units	1–2	1–2	2–3	3–4	3–4	3–6

We use these configurations as design references. The 500 m³/h options sit outside our current financial station mix. We will confirm final specifications with suppliers before procurement.

The reference describes dispensers as “two-stand”; nozzle count requires supplier confirmation.

A · Compact 500

The 17.5 m² figure covers the process box only, excluding lanes, access, clearances and ancillary equipment.

B · Buffered 500

More accumulator volume does not increase compressor flow. Usable inventory depends on pressure, temperature, gas properties and operating range.

C · Mid-range 1000 / 1200

Our mid-range reference uses one compressor rated 1,000 / 1,200 m³/h. We will match the dryer and operating conditions to the selected configuration.

D · Twin 2000 / 2400

Two compressors do not establish full-capacity standby. If one equivalent machine is unavailable, nominal remaining compression is half the installed total.

E · Twin + extended buffer

Our extended-buffer reference uses 12 × 2.5 m and 8 × 2.5 m process boxes. Their combined footprint is 50 m², before site access and safety clearances.

F · Triple 3000

Our 3,000 m³/h reference uses two 12 × 2.5 m process boxes, with a combined footprint of 60 m². It has three compressors, each rated 1,000 m³/h.

Contact us to discuss how this information applies to your project.

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