nublu ENERGY

ONE PACKAGE:

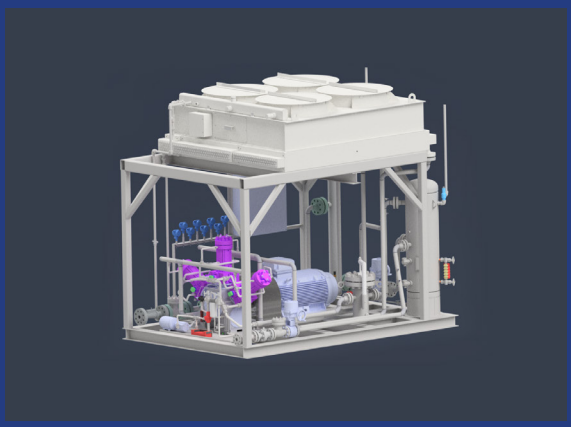
150 TO 600 PSIG IN
CNG FILL PRESSURE OUT

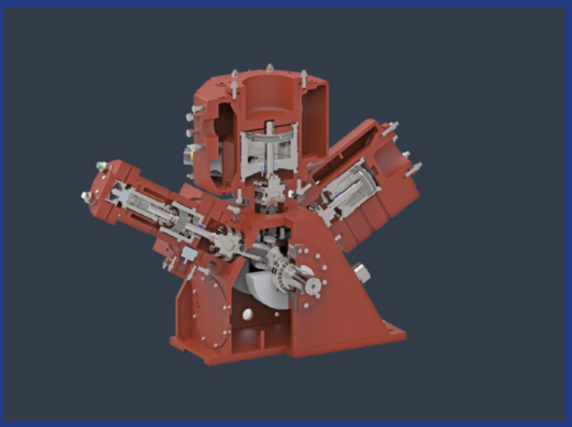
NuPresto 400 3-STAGE

Overview

The 3-stage NuPresto 400 is built for jobs where pipeline or RNG inlet pressure sits anywhere from 150 to 600 psig and CNG discharge still has to land at 3,900 psig. Three compression stages, three intercooler sections, and a final aftercooler keep stage temperatures and ratios inside the design envelope across the entire suction range - without forcing you to specify a separate booster or pick between sub-configurations.

Mechanically, it is the same NuPresto 400 platform: Fornovo Gas DA300 frame, non-lubricated water-cooled cylinders, PLC controls, and full FAT in shop.





WHY THE 3-STAGE NUPRESTO 400

One Configuration, Wide Operating Window
From RNG dryer outlets at 150 psig up to mid-pressure pipeline taps at 600 psig, the 3-stage covers it. No need to specify a sub-variant or commit to a narrow operating band on day one.

Three-Section Air Cooler with EJW
Engineered air cooler with separate sections for each stage discharge plus engine/jacket water. Stage temperatures stay inside the design window even at 100 °F ambient and 3,000 ft elevation.

Same Frame, Same Controls, Same Service Plan
Identical Fornovo DA300 bottom end, control philosophy, HMI, and remote monitoring as the 2-stage NuPresto 400. Same maintenance intervals on wear parts. Same spares stocked at our shop. Operators trained on one variant are trained on both.

Non-Lubricated Cylinders
No oil carryover into the gas stream. Cleaner downstream equipment, less environmental risk, simpler permitting.

Engineered for Continuous Service
Interstage scrubbers, pulsation control, and ASME-stamped vessels and coolers sized for 24/7 RNG and CNG mother station duty.

Built and Tested In-Shop
Final assembly, FAT, loop checks, and HMI commissioning happen in our shop. Issues get caught in the shop, not on your site.

SPECS:

Compression Stages	3-stage
Compressor Frame	Fornovo Gas DA300 heavy-duty reciprocating
Cylinders	Non-lubricated, water-cooled with HP valves
Suction Pressure	50 to 600 psig
Discharge Pressure	Up to 3,900 psig (4,200 psig optional)
Flow Rate	Up to 2.6 MMSCFD
Driver	300 to 400 HP electric motor (depends on suction pressure)
Rated Speed	1,200 rpm
Interstage Cooling	3-section air cooler plus engine jacket water (EJW) circuit
Discharge Treatment	Interstage scrubbers and final discharge coalescer
Cooling Package	Closed-loop glycol with multi-fan air cooler
Control System	PLC-based with HMI; remote monitoring via Ewon
Design Standards	ASME Sect. VIII Div. 1, B31.3, NEC, NFPA, API/ISO
Skid	Single skid, fully assembled and FAT tested in Center, TX

Final flow, pressure, and HP are tuned to your gas analysis, suction conditions, and site requirements. Contact engineering for a sized proposal.

400 nuPRESTO

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Applications:

- RNG-to-CNG mother stations off RNG dryer outlets
- Low and mid-pressure pipeline taps and lateral compression
- CNG fueling sites where inlet pressure is unstable or seasonally variable
- Virtual pipeline trailer filling (pairs with NuBlu VPT-64 / VPT-128)
- Wellhead and field gas compression with CNG offtake
- Replacement of aging multi-stage CNG packages on existing pads

What's Included:

- Single skid with 3-stage compressor, motor, multi-section air cooler, and process piping
- Inlet filter, three interstage scrubbers, and final discharge coalescer
- Closed-loop glycol cooling system with EJW circuit
- PLC, HMI, and field instrumentation, wired and tested
- Cause-and-effect diagram, control narrative, and FAT package
- ASME-stamped pressure vessels and coolers, B31.3 piping
- Installation, commissioning, and start-up procedure
- Recommended spare parts list and pricing

Engineering and Aftermarket Support:

Every 3-stage NuPresto 400 ships with a complete engineering package: P&IDs, GA drawings, electrical load lists, lifting and torsional analyses, and a full O&M manual. Critical spares - including complete cylinders - are stocked at our shop for fast response.

Field service, troubleshooting, and remote diagnostics are handled by the same team that designed and built the unit.

2-Stage vs 3-Stage at a Glance:

- NuPresto 400 (2-Stage) - Suction 550 to 950 psig, up to 3.69 MMSCFD, ideal for high-pressure pipeline mother stations
- NuPresto 400 (3-Stage) - Suction 150 to 600 psig, up to 2.62 MMSCFD, ideal for RNG and low/mid-pressure pipeline service
- Overlap at 550 - 600 psig - engineering will recommend the better fit based on inlet stability and target flow

Request A Sized Proposal

Send us your suction pressure, flow target, and discharge requirement, and we'll come back with a configured 3-stage NuPresto 400 package.

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