

CNCGLASS



CNCGLASS plated high-carbon steel vacuum quick disconnect — coupled plug and socket assembly.

CNCGLASS Product Catalog

Plated High-Carbon Steel Vacuum Quick Disconnect — Quick Coupler 1/4 NPT Shut-Off for Autoclave and Curing Oven Composite Manufacturing

English

Plated high-carbon steel vacuum quick disconnect / quick coupler for composite vacuum processes. Standard design compatible with vacuum valves and hoses. Quick disconnect for fast load and unload of autoclave and curing oven.

Internal shut-off valves stop airflow in both plug and socket after disconnect so the vacuum bag keeps vacuum.

Standard 1/4 NPT thread. Anti-rust plated high-carbon steel construction from CNCGLASS.

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Product List Edition

CNC Ucolin Interlayer Technology Co., Ltd. · SHENZHEN, GD, CHINA

CNCGLASS · Product List / Specifications

CNCGLASS plated high-carbon steel vacuum quick disconnect is designed for composite vacuum processes. Standard design is compatible with vacuum valves and hoses. The quick-disconnect feature supports fast load and unload of autoclave and curing oven. Internal shut-off valves prevent vacuum loss after disconnect: when the coupled internal valves separate, airflow stops in both the plug and the socket so the vacuum bag keeps vacuum. Plated high-carbon steel helps resist rust. Standard 1/4 NPT thread. Durable and reliable for vacuum bagging shops.

Specifications below. Commercial terms available on request.

Product	Specifications	Packing	Application
Vacuum Quick Disconnect	Plated high-carbon steel · shut-off in plug & socket · 1/4 NPT · vacuum valve/hose compatible	Piece / custom	Autoclave / curing oven / vacuum bagging

Note: Vacuum process quick coupler for composite manufacturing. Compatible with vacuum valves and hoses; shut-off keeps bag vacuum after disconnect. Please contact us for commercial terms.

To place an order or request a quotation, please email us at cnc@cncGlass.com. Our sales team will respond promptly with availability and lead time.

CNCGLASS · Datasheet of Plated High-Carbon Steel Vacuum Quick Disconnect

Key published product facts for CNCGLASS plated high-carbon steel vacuum quick disconnect. Values below are published facts from the product page; no invented numbers. No heat-resistance temperature is stated on the product page.

Property	Result	Note
Product type	Vacuum quick disconnect / quick coupler	Vacuum process
Material	Plated high-carbon steel	Anti-rust plating
Thread	1/4 NPT	Standard fitting
Compatibility	Vacuum valves and hoses	Standard design
Disconnect feature	Quick couple / disconnect	Fast autoclave / oven load-unload
Shut-off	Internal valves in plug and socket	Airflow stops after disconnect
Vacuum hold	Bag keeps vacuum after disconnect	Published product fact
Process	Autoclave / curing oven / vacuum bagging	Composite manufacturing
Packing	Piece / custom	As ordered

Datasheet values are typical published facts and may vary by batch. Please contact us for the latest details.

CNCGLASS · Process Guidance

Use this quick disconnect between a vacuum valve / hose and the process line for autoclave or curing oven work. Couple the plug and socket until locked; internal valves open for airflow when coupled. To disconnect, release the knurled sleeve — shut-off valves close in both plug and socket so the vacuum bag keeps vacuum after disconnect. Thread ends are standard 1/4 NPT. Suitable for aerospace and industrial composite vacuum bagging shops. Follow your shop practices for bag layup, leak checks, and cure.

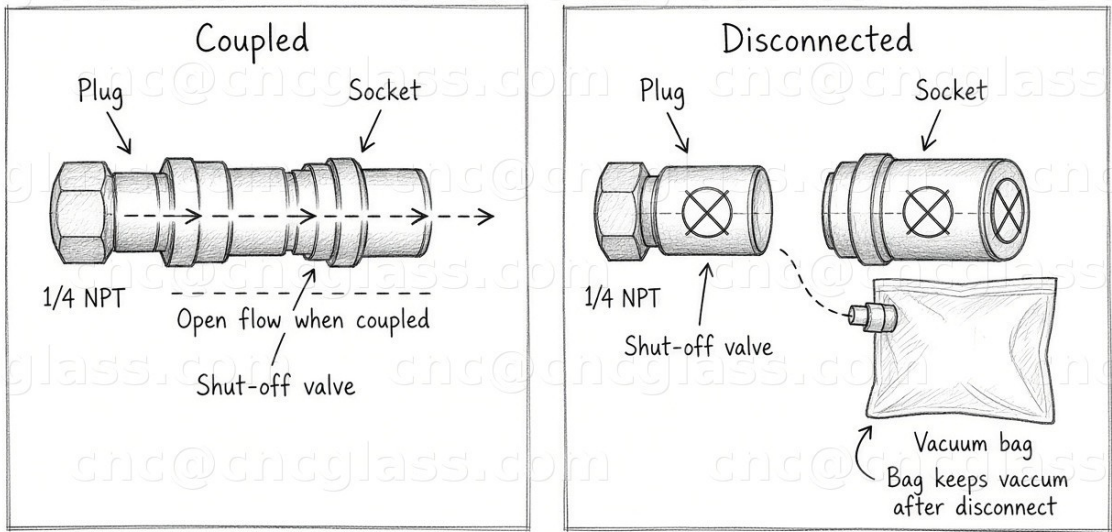
CNCGLASS · Storage

Store dry and clean at room temperature. Avoid direct sunlight and keep away from contaminants. Keep the thread and sealing faces protected when not in use. Avoid damaging the knurled sleeve and internal shut-off valves. No shelf-life limit is stated on the product page.

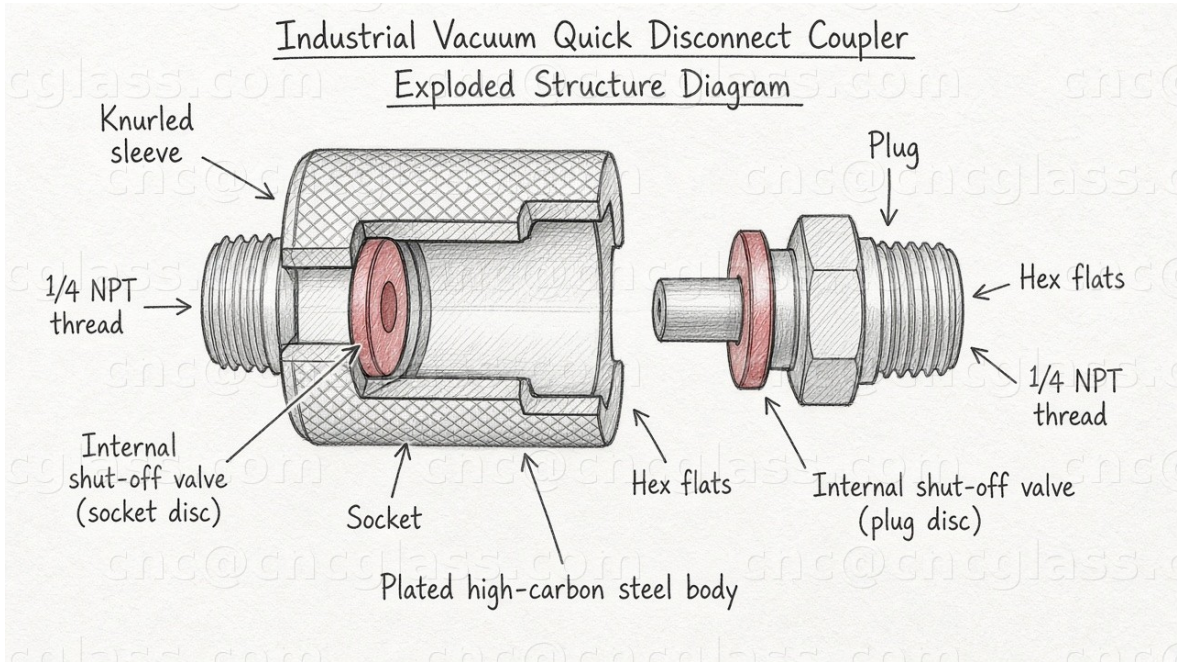
CNCGLASS · How It Works (Hand-Drawn Sketches)

Educational hand-drawn sketches for composite shops. CNCGLASS plated high-carbon steel vacuum quick disconnect: plug and socket with shut-off valves, 1/4 NPT, compatible with vacuum valves and hoses for autoclave and curing oven load/unload.

VACUUM PROCESS QUICK DISCONNECT

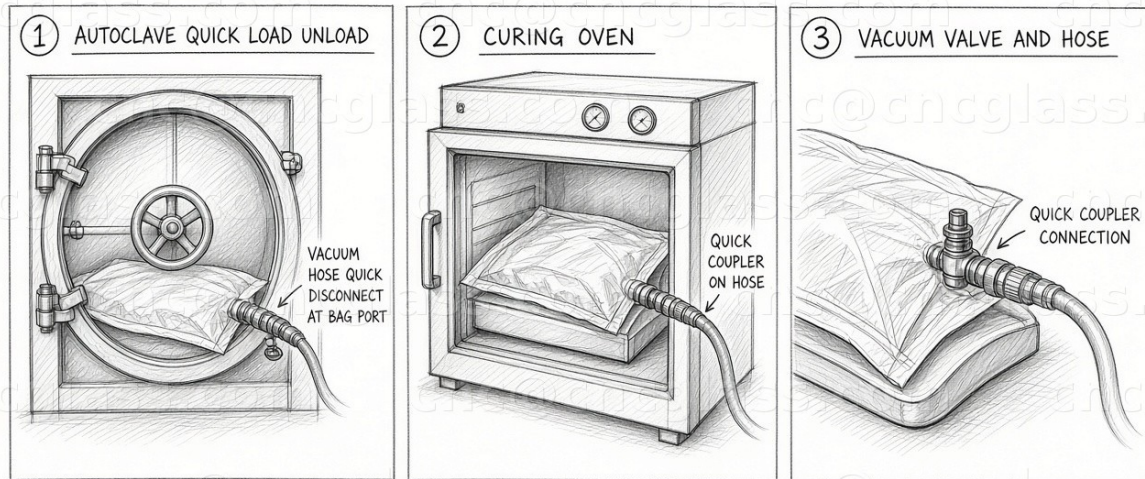


Couple / disconnect (hand-drawn sketch): open flow when coupled; shut-off valves close in plug and socket so the bag keeps vacuum after disconnect.



Structure (hand-drawn sketch): plug, socket, knurled sleeve, internal shut-off valves, hex flats, and 1/4 NPT — plated high-carbon steel body.

SHOP APPLICATIONS – COMPOSITE MANUFACTURING



COMPATIBLE WITH VACUUM VALVES AND HOSES, STANDARD 1/4 NPT

Shop applications (hand-drawn sketch): autoclave quick load/unload, curing oven, and vacuum valve / hose connection — standard 1/4 NPT.

CNCGLASS · Product Photos

Product photographs of CNCGLASS plated high-carbon steel vacuum quick disconnect (watermarked).



Plated high-carbon steel vacuum quick disconnect — coupled plug and socket



Knurled sleeve detail



Hex flats and body detail

CNCGLASS · Contact

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For quotations, samples, or bulk orders of plated high-carbon steel vacuum quick disconnect (quick coupler, shut-off, 1/4 NPT) for autoclave and curing oven composite manufacturing, please contact us by email or WhatsApp.