

AeroFilm® VC200



Product Description

These high-performance Quick-Release Vacuum Couplings are designed to allow a fast and reliable means of attaching vacuum hoses to through-bag connectors, vacuum pumps and other vacuum equipment.

VC200 is supplied as two halves - a male and a female; when connected together they make an airtight seal and allow air to pass through. When disconnected they automatically close internal valves, preventing any air leakage past either side of the coupling. VC200 couplings are custom manufactured for composites use including high temperature/pressure autoclave application. The seals are silicone and PTFE allowing them to be used at service temperatures up to 204°C/400°F.

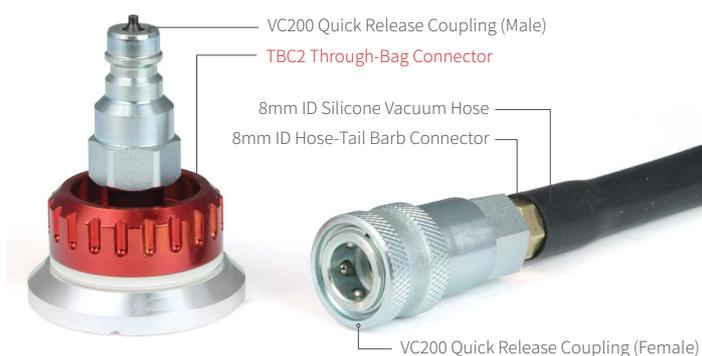
These couplings are typically used to connect vacuum hoses to through-bag connectors in vacuum bagging applications; the male coupling is assembled together with the through-bag connector and the female coupling is attached to a vacuum hose using a hose-tail barb. When vacuum is pulled on the hose, the hose will remain sealed until it is connected to the male coupling on the through bag connector, once connected the air will be drawn from the bag, when full vacuum is achieved the hose can be disconnected, instantly sealing both the vacuum bag and the vacuum hose. This is particularly useful when moving projects from the bagging table to an oven or autoclave or performing a 'vacuum drop' leak test.

Connection is very straight-forward, simply pull back the spring-loaded outer ring on the female fitting and push the coupling together, then allow the ring to spring back into place which will lock the coupling. To separate the coupling pull the ring back and the coupling will spring apart.

Both the male and female sides of the VC200 Quick-Release Vacuum Coupling are provided with 1/4" BSP female threads making them directly compatible with our through bag connect, hose tail barbs, vacuum gauge, vacuum pumps and degassing chambers. Always use PTFE tape to seal joints between any vacuum fittings.

Typical Configuration

Suggested configuration when used together with VC200 Quick Release Couplings to connect to an 8mm ID vacuum hose:



Key Features

- Fast and reliable
- Service temperatures to 204°C
- Oven and autoclave compatible
- Lightweight

Recommended Uses

- Vacuum bagging
- Oven / autoclave hose connections
- Degassing systems

Specification

Property	Units	Value
Body Material	-	Zinc Plated Carbon Steel
Thread	-	1/4" BSP Female
Seals	-	Silicone (primary) PTFE (secondary)
Maximum Use Temperature	°C	204
Suitable For Autoclave?	-	YES
Overall Length (Male Side)	mm	40
Overall Length (Female Side)	mm	51
Overall Length (Connected)	mm	71
Weight (Male Side)	g	35
Weight (Female Side)	g	110

Disclaimer

This data is not to be used for specifications. Values listed are for typical properties and should not be considered minimum or maximum.

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