

CONTINUOUS VACUUM PENS

Standard Push Button Vacuum Pen - ESD Safe

Lightweight aluminum 1/2" diameter handle for vacuum handling systems. This new vacuum pen allows you to immediately pick up a part by touching the vacuum tip to the surface of the part. A slight press of the button releases the part. The unique design eliminates internal O-rings for years of maintenance free operation. Available for 1/16" or 1/8" ID diameter vacuum hose. 5 1/4" (133.35mm) long, 1/2" (12.70mm) diameter.

Must be used with a continuous vacuum source.

VVP-200-1/16	1/16" (1.59mm) ID hose barb	BUY IT NOW	\$ 50.80
VVP-200-2.5mm	2.5mm ID hose barb	BUY IT NOW	\$ 50.80
VVP-200-1/8	1/8" (3.18mm) ID hose barb	BUY IT NOW	\$ 50.80

PRICE EACH



For the customer who has existing plumbed vacuum systems. Our line of vacuum pens and hoses will provide parts handling capability.

Vacuum Pen With Control Hole

Lightweight aluminum 1/2" diameter handle for continuous air vacuum handling systems. A 1/16" or 1/8" inside diameter vacuum hose connects at the rear of the tool. Vacuum tips attach to the front of the tool. Covering and uncovering the hole enables the vacuum to grasp and release the part. 5-1/4" (133.35mm) long, 1/2" (12.70mm) diameter.

Must be used with a continuous vacuum source.

V3020-RF-1/16	1/16" (1.59mm) ID hose barb	BUY IT NOW	\$ 28.00
V3020-RF-2.5mm	2.5mm ID hose barb	BUY IT NOW	\$ 28.00
V3020-RF-1/8	1/8" (3.18mm) ID hose barb	BUY IT NOW	\$ 28.00

PRICE EACH



Vacuum Pen Without Control Hole, No Filter

Lightweight aluminum 1/2" diameter handle for continuous vacuum handling systems. A 1/16" or 1/8" inside diameter vacuum hose connects at the rear of the tool. Vacuum tips attach to the front of the tool. Designed for external vacuum release. 5 1/4" (133.35mm) long, 1/2" (12.70mm) diameter.

Must be used with a continuous vacuum source.

V3021-1/16	1/16" (1.59mm) ID hose barb	BUY IT NOW	\$ 28.00
V3021-2.5mm	2.5mm ID hose barb	BUY IT NOW	\$ 28.00
V3021-1/8	1/8" (3.18mm) ID hose barb	BUY IT NOW	\$ 28.00

PRICE EACH



Control Hole Vacuum Pen Kit

This kit is for the users who have an in-house vacuum system. This kit includes 5 feet of coiled vacuum hose (VCH-1/16-5), a set of 9 vacuum tips (VCS-9-B) and a vacuum pick-up handle with control hole (V3020-RF). *Must be used with a continuous vacuum source.*

VV-PEN-KIT		BUY IT NOW	\$ 60.10
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PRICE EACH

Push Button Vacuum Pen Kit

This kit is for the users who have an in-house vacuum system. This kit includes 5 feet of coiled vacuum hose (VCH-1/16-5), a set of 9 vacuum tips (VCS-9-B) and a push button vacuum pick-up handle (VVP-200). *Must be used with a continuous vacuum source.*

VV-PEN-KIT-PB		BUY IT NOW	\$ 79.10
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PRICE EACH

Push Button Vacuum Wafer Wand

Lightweight aluminum 1/2" diameter handle accepts any of our press fit tips for handling solar cells or semiconductor wafers. This normally open vacuum wafer pen allows you to pick up a wafer by touching the vacuum tip to the surface of the part. A slight press of the button releases the solar cell or wafer. The unique design eliminates internal O-rings for years of maintenance free operation. 5 1/4" (133.35mm) long, 1/2" (12.70mm) diameter.

Must be used with a continuous vacuum source.

VWP-500-1/16	1/16" (1.59mm) ID hose barb	BUY IT NOW	\$ 76.50
VWP-500-2.5mm	2.5mm ID hose barb	BUY IT NOW	\$ 76.50
VWP-500-1/8	1/8" (3.18mm) ID hose barb	BUY IT NOW	\$ 76.50

PRICE EACH



Prices subject to change without notice.

VACUUM HOSES

ESD and Cleanroom Safe



The Static Dissipative Polyurethane is available in two diameters and also either straight or coiled. The ESD safe Silicone hose provides high-temperature resistance.

1/16" Coiled Static Dissipative Hose



Custom lengths
Straight
1/16" Gray Static Dissipative Poly Hose

Gray Standard Lengths

The ESD-safe, Static Dissipative Polyurethane vacuum hoses are available in standard lengths either straight or coiled. The coiled hose is provided with a 6" (152.4mm) tail at each end.

	Inside diameter	Outside diameter	Extended length	Style	PRICE PER FOOT
VCH-1/16-5	1/16" (1.59mm)	1/8" (3.18mm)	5 ft.	coiled	BUY IT NOW \$ 13.10
VCH-1/16-6	1/16" (1.59mm)	1/8" (3.18mm)	6 ft.	coiled	BUY IT NOW \$ 15.70
VCH-1/16-8	1/16" (1.59mm)	1/8" (3.18mm)	8 ft.	coiled	BUY IT NOW \$ 20.90
VCH-1/8-5	1/8" (3.18mm)	1/4" (6.35mm)	5 ft.	coiled	BUY IT NOW \$ 26.10
VCH-1/8-6	1/8" (3.18mm)	1/4" (6.35mm)	6 ft.	coiled	BUY IT NOW \$ 31.30
VCH-1/8-8	1/8" (3.18mm)	1/4" (6.35mm)	8 ft.	coiled	BUY IT NOW \$ 41.70

Gray Custom Lengths

The ESD-safe, Static Dissipative Polyurethane vacuum hoses are available in custom lengths either straight or coiled. The coiled hose is provided with a 6" (152.4mm) tail at each end.

The pricing is per foot. In the part number below replace the "L" with the length in feet that you want to order. *EXAMPLE: VCH-1/16-10 is the part number for a 1/16" (1.59mm) ID coiled vacuum hose that has a 10 feet of working length when extended.*

	Inside diameter	Outside diameter	Extended length	Style	PRICE PER FOOT
VSH-1/16-L	1/16" (1.59mm)	1/8" (3.18mm)	custom	straight	BUY IT NOW \$ 2.40
VCH-1/16-L	1/16" (1.59mm)	1/8" (3.18mm)	custom	coiled	BUY IT NOW \$ 4.00
VSH-1/8-L	1/8" (3.18mm)	1/4" (6.35mm)	custom	straight	BUY IT NOW \$ 4.70
VCH-1/8-L	1/8" (3.18mm)	1/4" (6.35mm)	custom	coiled	BUY IT NOW \$ 7.90

• Hoses can be coiled to a minimum of 1 foot and up to a maximum of 10 feet.

Clear Permanent Static Dissipative Standard Lengths

Permanent Static Dissipative special design for cleanroom application. Our custom blend hose with 2.5mm ID and 4mm OD.

	Inside diameter	Outside diameter	Extended length	Style	PRICE EACH
VCH-2.5mm-5	2.5mm (.098")	4mm (.158")	5 ft	coiled	BUY IT NOW \$ 14.80
VCH-2.5mm-6	2.5mm (.098")	4mm (.158")	6 ft	coiled	BUY IT NOW \$ 17.70
VCH-2.5mm-8	2.5mm (.098")	4mm (.158")	8 ft	coiled	BUY IT NOW \$ 23.60

Clear Flexible Static Dissipative Custom Lengths

Flexible Static Dissipative special design for cleanroom application. Our custom blend hose with 2.5mm ID and 4mm OD are available in custom lengths either straight or coiled. The coiled hose is provided with a 6" (152.4mm) tail at each end.

The pricing is per foot. In the part number below replace the "L" with the length in feet that you want to order. *EXAMPLE: VCH-2.5mm-10 is the part number for a 2.5mm ID coiled vacuum hose that has a 10 feet of working length when extended.*

	Inside diameter	Outside diameter	Extended length	Style	PRICE PER FOOT
VSH-2.5mm-L	2.5mm (.098")	4mm (.158")	custom	straight	BUY IT NOW \$ 2.70
VCH-2.5mm-L	2.5mm (.098")	4mm (.158")	custom	coiled	BUY IT NOW \$ 4.50

• Hoses can be coiled to a minimum of 1 foot and up to a maximum of 10 feet.

2.5mm Clear Coiled Static Dissipative Hose



Custom Lengths
Straight
2.5mm Clear Straight Static Dissipative Hose

In-Line Hose Filters ESD Safe Nickel Plated Brass

These filters come with a replaceable 40 micron mesh o-ring filter.

		Inlet Connection	Outlet Connection	PRICE EACH
VF-1616	Barbed hose filter	1/16" (1.59mm) ID Hose	1/16" (1.59mm) ID Hose	BUY IT NOW \$ 27.50
VF-2.5MM	Barbed hose filter	2.5mm (.098") ID Hose	2.5mm ID Hose	BUY IT NOW \$ 27.50
VF-1818	Barbed hose filter	1/8" (3.18mm) ID Hose	1/8" (3.18mm) ID Hose	BUY IT NOW \$ 27.50



VF-1616



VF-2.5MM



VF-1818

Disposable 43 Micron In-Line Hose Filters

VF-FILTER-43	Barbed hose filter, 1/16" (1.59mm), 43 microns	BUY IT NOW \$ 7.50
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Replaceable In-Line Hose Filters

VF-40M	5 pack of replaceable 40 micron mesh o-ring filters	BUY IT NOW \$ 40.00
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