



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	
VCH-1/16-5	1/16" (1.59mm)	1/8" (3.18mm)	5 ft.	coiled	\$ 13.70
VCH-1/16-6	1/16" (1.59mm)	1/8" (3.18mm)	6 ft.	coiled	\$ 16.70
VCH-1/16-8	1/16" (1.59mm)	1/8" (3.18mm)	8 ft.	coiled	\$ 20.00
VCH-1/8-5	1/8" (3.18mm)	1/4" (6.35mm)	5 ft.	coiled	\$ 17.00
VCH-1/8-6	1/8" (3.18mm)	1/4" (6.35mm)	6 ft.	coiled	\$ 21.00
VCH-1/8-8	1/8" (3.18mm)	1/4" (6.35mm)	8 ft.	coiled	\$ 25.00

技术咨询与报价
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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	
VSH-1/16-L	1/16" (1.59mm)	1/8" (3.18mm)	custom	straight	\$ 2.00
VCH-1/16-L	1/16" (1.59mm)	1/8" (3.18mm)	custom	coiled	\$ 4.00
VSH-1/8-L	1/8" (3.18mm)	1/4" (6.35mm)	custom	straight	\$ 4.70
VCH-1/8-L	1/8" (3.18mm)	1/4" (6.35mm)	custom	coiled	\$ 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	
VCH-2.5mm-5	2.5mm (.098")	4mm (.158")	5 ft	coiled	\$ 14.00
VCH-2.5mm-6	2.5mm (.098")	4mm (.158")	6 ft	coiled	\$ 17.70
VCH-2.5mm-8	2.5mm (.098")	4mm (.158")	8 ft	coiled	\$ 23.00

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	
VSH-2.5mm-L	2.5mm (.098")	4mm (.158")	custom	straight	\$ 2.70
VCH-2.5mm-L	2.5mm (.098")	4mm (.158")	custom	coiled	\$ 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	
VF-1616	Barbed hose filter	1/16" (1.59mm) ID Hose	1/16" (1.59mm) ID Hose	\$ 27.50
VF-2.5MM	Barbed hose filter	2.5mm (.098") ID Hose	2.5mm ID Hose	\$ 27.50
VF-1818	Barbed hose filter	1/8" (3.18mm) ID Hose	1/8" (3.18mm) ID Hose	\$ 27.50



Disposable 43 Micron In-Line Hose Filters

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

VF-40M	5 pack of replaceable 40 micron mesh o-ring filters.	\$ 40.00
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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" (1.59mm) ID hose barb
VVP-200-1/8	1/8" (3.18mm) ID hose barb

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
V3020-RF-1/8	1/8" (3.18mm) ID hose barb

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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" (1.59mm) ID hose barb
V3021-1/8	1/8" (3.18mm) ID hose barb

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 nine 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

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 nine 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

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.

WVP-500-1/16	1/16" (1.59mm) ID hose barb
WVP-500-2.5mm	2.5mm ID hose barb
WVP-500-1/8	1/8" (3.18mm) ID hose barb



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



ESD-Safe And
NON-ESD-Safe

Straight 1/2" (12.7mm) Metal Probe With Buna-N Static Dissipative non-marking Black Vacuum Cup

V8903-D-S	Straight 1/2" (12.7mm) probe with 3/32" (2.38mm) vacuum cup	\$ 3.30
V8903-S-S	Straight 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	\$ 3.30
V8903-P-S	Straight 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	\$ 3.30
V8903-M-S	Straight 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	\$ 3.30
V8903-L-S	Straight 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	\$ 3.30
V8903-H-S	Straight 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	\$ 3.30
V8903-J-S	Straight 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	\$ 5.20
V8903-K-S	Straight 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	\$ 5.20

Bent 1/2" (12.7mm) Metal Probe With Buna-N Static Dissipative non-marking Black Vacuum Cup

V8903-D-B	Bent 1/2" (12.7mm) probe with 3/32" (2.38mm) vacuum cup	\$ 3.30
V8903-S-B	Bent 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	\$ 3.30
V8903-P-B	Bent 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	\$ 3.30
V8903-M-B	Bent 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	\$ 3.30
V8903-L-B	Bent 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	\$ 3.30
V8903-H-B	Bent 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	\$ 3.30
V8903-J-B	Bent 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	\$ 5.20
V8903-K-B	Bent 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	\$ 5.20

Straight 1/2" (12.7mm) Metal Probe With ESD-Safe High-temperature Conductive Silicone Black Vacuum Cup

V8904-S-S	Straight 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	\$ 3.30
V8904-P-S	Straight 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	\$ 3.30
V8904-M-S	Straight 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	\$ 3.30
V8904-L-S	Straight 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	\$ 3.30
V8904-H-S	Straight 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	\$ 3.30
V8904-J-S	Straight 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	\$ 5.20
V8904-K-S	Straight 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	\$ 5.20

Bent 1/2" (12.7mm) Metal Probe With ESD-Safe High-temperature Conductive Silicone Black Vacuum Cup

V8904-S-B	Bent 1/2" (12.7mm) probe with 1/8" (3.18mm) vacuum cup	\$ 3.30
V8904-P-B	Bent 1/2" (12.7mm) probe with 3/16" (4.76mm) vacuum cup	\$ 3.30
V8904-M-B	Bent 1/2" (12.7mm) probe with 1/4" (6.35mm) vacuum cup	\$ 3.30
V8904-L-B	Bent 1/2" (12.7mm) probe with 3/8" (9.53mm) vacuum cup	\$ 3.30
V8904-H-B	Bent 1/2" (12.7mm) probe with 1/2" (12.7mm) vacuum cup	\$ 3.30
V8904-J-B	Bent 1/2" (12.7mm) probe with 5/8" (15.88mm) vacuum cup	\$ 5.20
V8904-K-B	Bent 1/2" (12.7mm) probe with 3/4" (19.05mm) vacuum cup	\$ 5.20

Metal Probes No Cups

The precision metal probes have a metal hub that fits any of our vacuum handling tools. Custom bends and lengths are available upon request.

V3950-B	18 ga. bent 1/2" (12.7mm) probe (for 3/32" size cups only)	\$ 1.80
V3950-S	18 ga. straight 1/2" (12.7mm) probe (for 3/32" size cups only)	\$ 1.80
V3950-B-1	18 ga. bent 1" (25.4mm) probe (for 3/32" size cups only)	\$ 2.00
V3950-S-1	18 ga. straight 1" (25.4mm) probe (for 3/32" size cups only)	\$ 2.00
V3972-B	15 ga. bent 1/2" (12.7mm) probe	\$ 1.80
V3972-S	15 ga. straight 1/2" (12.7mm) probe	\$ 1.80
V3972-B-1	15 ga. bent 1" (25.4mm) probe	\$ 2.00
V3972-S-1	15 ga. straight 1" (25.4mm) probe	\$ 2.00

Replacement Vacuum Tip Kits

This kit contains five bent probes with 3/32" (2.38mm), 1/8" (3.18mm), 3/16" (4.76mm), 1/4" (6.35mm), and 3/8" (9.53mm), as well as four straight probes with 1/8" (3.18mm), 1/4" (6.35mm), 3/8" (9.53mm) and 1/2" (12.70mm).

VCS-9-B	Replacement probe/cup - Static Dissipative Buna-N Vacuum Cups	\$ 28.30
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Vacuum probes are available with or without attached vacuum cups, which will fit most of your handling applications. The luer slip connector fits all of our vacuum handling tools. Custom probe lengths and bends are available upon request.

Here's a tip...

Cups can be cleaned easily with clean water or Isopropyl Rubbing Alcohol.

STRAIGHT PROBES & CUPS



BENT PROBES & CUPS



Black ESD Safe
(approximate size shown)

BENT & STRAIGHT PROBES

