



UHP

Others

VCG Vacuum Generator 346

Features

- Function of the pressure of the purge gas which flows through the generator.
- Low space requirement.
- Extremely fast evacuation time.
- All performed in class 100 and class 10 clean rooms.
- Stainless Steel 316L construction.



Specification

Orifice Size	1.35mm
Ultimate Vacuum	50torr (6.67mbar)
Gas Flow at Ultimate	60 L/min
Gas Pressure at Ultimate	80psig
Optimize working Pressure	80~100psig
Max. Working Pressure	150psig (10kgf/cm ²)
Operating Temperature	0~150°C

Helium Leak Test

Every VCG series are inboard helium leak tested to a rate of 1×10^{-9} cm³/sec.

Particle Contribution Test

According to ASTM F1394-92.

Moisture Contribution Test

According to SEMA-90120397B-STD.

Cleaning

All components are precisely cleaned with 18MΩ deionized water after the passivation procedure in accordance with our own UHP cleaning process
Reference specification : SEMI E49.6.

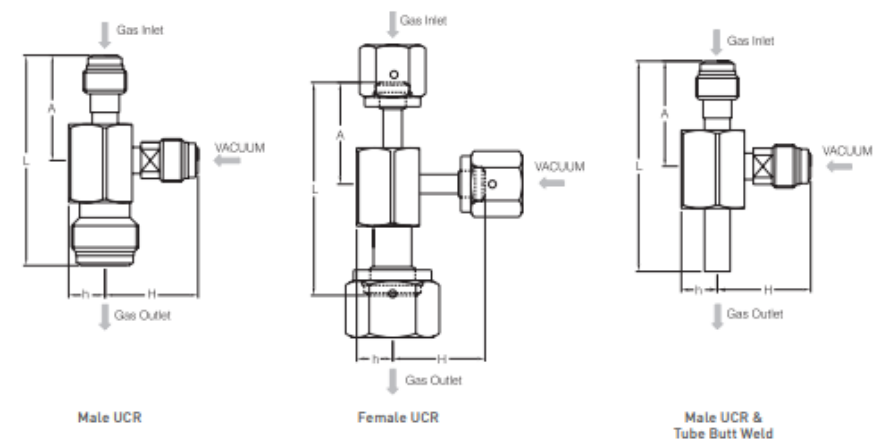
Packaging

Each component is double bagged to ensure component cleanliness and to protect them from environmental contamination.
Referenced specification : SEMI E49.1.

How To Order

VCGC	-	04	M	08	M	04	M	-	SL	-	BA	
Valve Type		Inlet Connection Size	Connection Type	Outlet Connection Size	Connection Type	Vacuum Connection Size	Connection Type		Body Material		Surface Finish Level	
Valve Type		Inlet Connection Size				Body Material						
VCG		Fractional(Inch) Tube O.D. Designation				DM						
Vacuum Generator						316LSS - Double Melting						
		Tube O.D.	inch	1/4	3/8	1/2	SM					
			mm	6.35	9.52	12.70	316LSS - Single Melting					
		Designator		04T	06T	08T	SL					
						316L SS						
Connection Type		UCR Size Designator				Surface Finish Level						
C-*M	Male UCR	UCR Size				BA						
C-*F	Female UCR	Designator				BA - Bright Annealing						
WB-	Tube Butt Weld					EP						
						EP-Electro Polished						

Ordering Information & Dimensions



Part No.	End Connection			Dimensions [mm]			
	Inlet	Outlet	Vacuum	A	L	H	h
VCGC-04M04M08M-	Male UCR			35.0	70.0	31.0	32.0
VCGC-04F04F08F-	Female UCR				80.0		
VCGCWB-04M04M04T-	Male UCR	Tube Butt Weld					

Dimensions are for reference only and are subject to change without prior notice.

Vacuum and Flow Chart

