



# UHP

## Others

VCG Vacuum Generator ..... 390

## 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 (66.7mbar)
Gas Flow at Ultimate	60 l/min
Gas Pressure at Ultimate	80psig
Optimize working Pressure	80~100psig
Max. Working Pressure	150psig (10kgf/cm <sup>2</sup> )
Operating Temperature	0~150°C

## Helium Leak Test

Every VCG series are inboard helium leak tested to a rate of  $1 \times 10^{-9}$  cm<sup>3</sup>/sec.

## Particle Contribution Test

According to ASTM F1394-92.

## Moisture Contribution Test

According to SEMA-90120397B-STD.

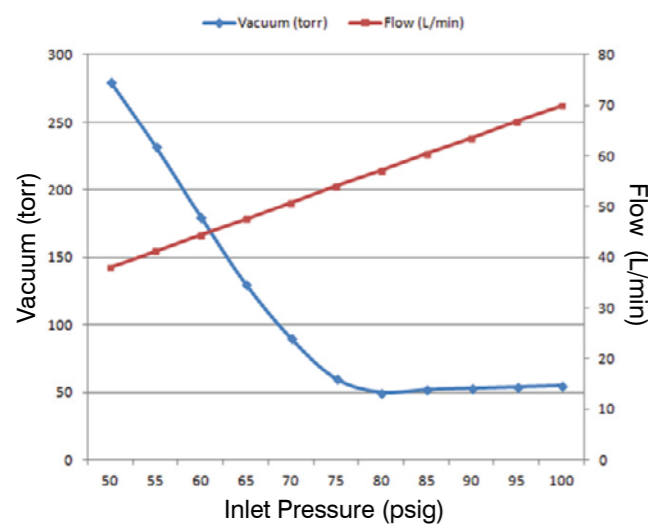
## Cleaning

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.

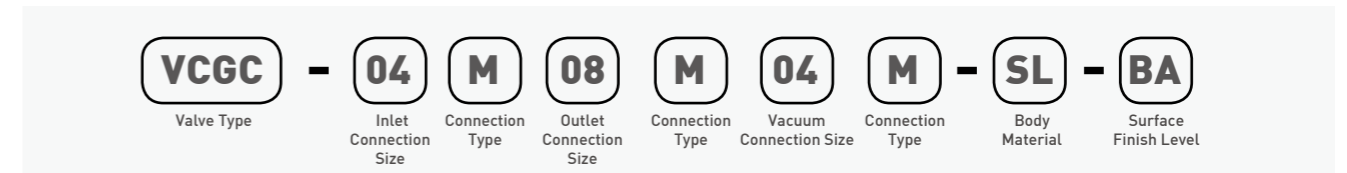
## Packaging

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

## Vacuum and Flow Chart



## How To Order



Valve Type	
VCG	Vacuum Generator

Inlet Connection Size				
Fractional(Inch) Tube O.D. Designation				
Tube O.D.	inch	1/4	3/8	1/2
	mm	6.35	9.52	12.70
Designator		04T	06T	08T

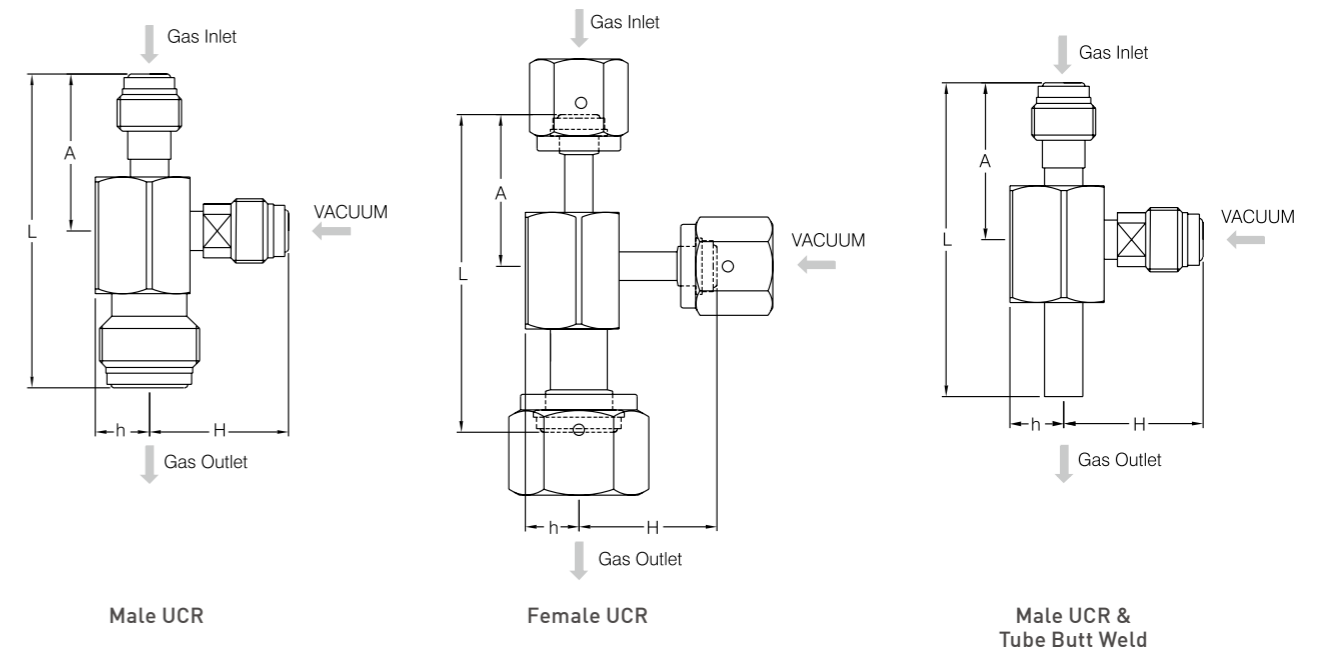
Materials	
DM	316LSS-SEMI F20
SL	316LSS

Connection Type	
C-*M	Male UCR
C-*F	Female UCR
WB-	Tube Butt Weld

UCR Size Designator		
UCR Size	1/4	1/2
Designator	04	08

Surface Finish Level	
BA	BA - Bright Annealing
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.