

## Stainless Steel Hose

### VITALFLEX® - Vacuum Jacketed Cryo (VVJC)

**Construction:** SS1-A Tube and Single Braid / SS2-A Tube and Double Braid

**Profile:** Annular / Close Pitch
















**Tube Available:** 300 / 304 / 316 Stainless Steel /

**Cover options:** 300 / 304 / 316 Stainless Steel /

**Size Available:** 5/8" - 2"

(Larger sizes upon Request)

**Max Temp:** -196°C to 700°C

	Low	Med	High
Flexibility			
Cycle Life			
Pressure Rating			
Chemical Resistance			
Wall Thickness			

#### Construction

Vacuum Jacketed Cryo (VVJC) hoses are a vacuum insulated stainless steel flexible hose designed to meet high flow capacity without compromising its flexibility. Engineered as modular section with close tolerance bayonet connections. It can be used on its own, or as part of StatiRigid sections for misalignment offset. VVJC pipe is evacuated and sealed at the factory as a static vacuum and is available in dynamic vacuum. VVJC are available in wide variety of sizes from DN16 up to DN50 to meet most the standard or custom requirements.

Vitalflex Vacuum Jacketed (VVJC) offers a complete line of components such as inline venting devices, phase separators and gas traps to maximize the system performance. VVJC is used in a wide variety of applications including biotech, cryogenic storage, food and beverage, nanotech, environmental temperature chambers and R&D applications.



#### Specifications

Part Number	Inner Dia (mm)	Outer Dia (mm)	"Steady State Heat Leak (watts/hr)"	"Bayonet heat leak (watts)"	Bend Radius (mm)	Working Pressure (kPa)
VVJC-16	16.2	52.1	1.3	1.2	200	1380
VVJC-25	25.1	62.8	1.4	2.4	300	1380
VVJC-32	34.2	81.2	1.5	2.4	450	1380
VVJC-40	40	120	1.7	2.7	600	1380
VVJC-50	50.1	120	1.6	3.3	720	1380

**Optional:** Pneumatic pressure test, Vacuum retention testing, LN2 cold shock, pre-material certs., X-ray, ASME B31.3 certification, CFOS cleaning for O2 services

**End couplings available:** Bayonet, threaded, flanged

9  
8  
7  
6  
5  
4  
3  
2  
1

STAINLESS STEEL HOSE