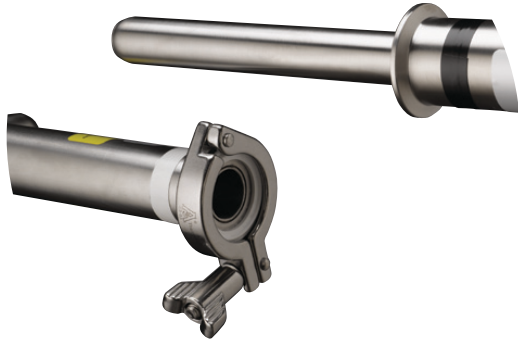




SPECIALISTS IN CRYOGENIC EQUIPMENT



Close Tolerance Bayonets

## BayonetConnections

Stainless steel, vacuum insulated bayonet connections, designed for cryogenic piping systems.



All Bayonet Connections come with Cryogas's renowned customer service, from conceptual design to implementation, and are backed by a one year warranty.

### Vacuum Insulated Bayonet Connections

Cryogas uses a highly efficient cryogenic connection for vacuum insulated piping systems. The bayonet design utilizes an extremely close fit between the male and female bayonet establishing a gas pocket between the liquid interface and the flange seal. The very small gas pocket and the thin stainless elements contribute to the high efficiency of this design. The primary seal is a silicone or PTFE gasket at the flange location. The close design tolerance eliminate the necessity of a nose seal.

### Typical Applications

- Vacuum Insulated Rigid Lines.
- Vacuum Insulated Flex Lines.
- Vacuum Jacketed Modular Valve or Piping Components.

### Features and Benefits

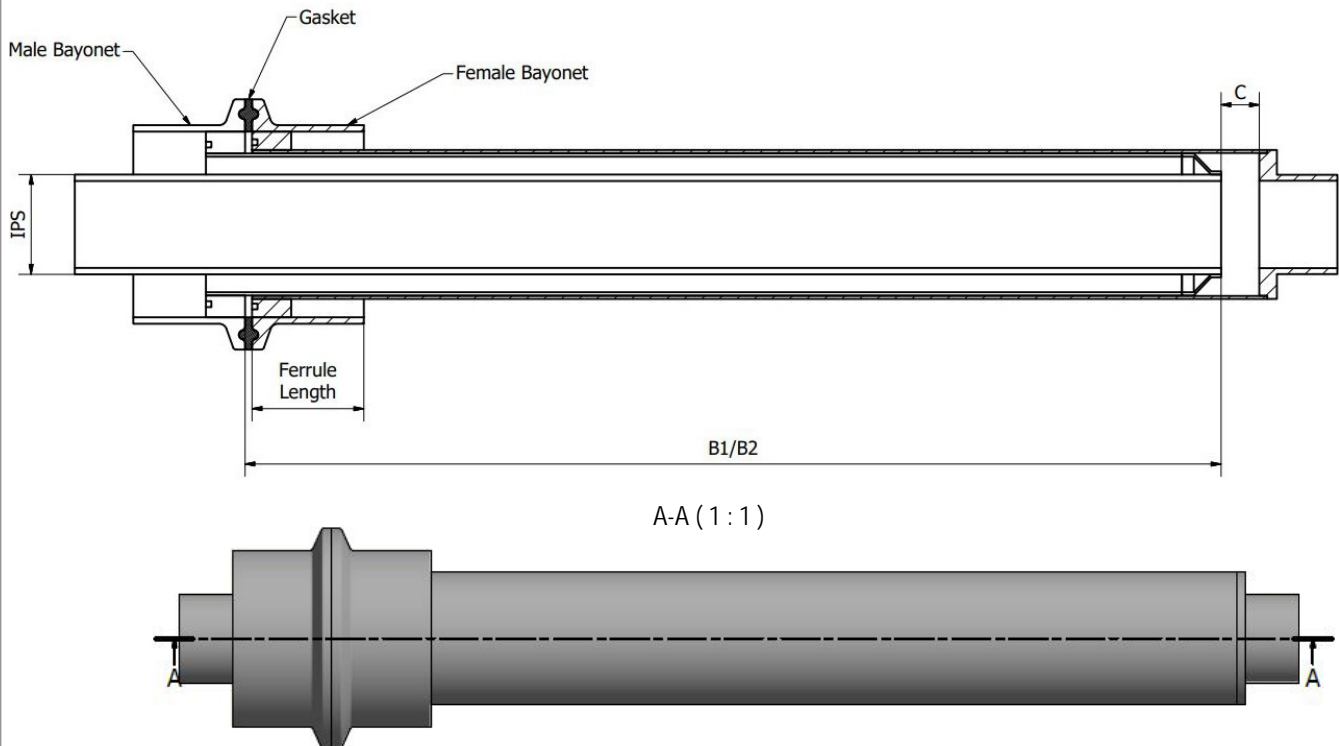
- Frost and condensation free transfers.
- Minimization of heat leak.
- Easy to install or disassemble.
- Clamping system provides leak free operation.
- Can be installed in any orientation.
- Bayonet assemblies offer decreased field assembly time, lower installation costs.

## Bayonet Specifications

Bayonet Size	Inner Pipe Size	Clamp Size	Dimensions		
			B1 (short)	B2 (long)	C
C2	3/8" (1/2") / 8mm (13.2mm)	KF16 / KF25	4-3/16" (105mm) RIBER	7-1/16" (155mm) Dr. Eberl	-
C5	1/2" (19.05 / 21.3mm)	1 1/2"	7-1/16" (180mm)	8-5/8" (220mm)	3/8" (10mm)
C10	1" (29 / 33.4mm)	2"	7-1/16" , 8-5/8" (180/220mm)	10-0" (250mm)	3/4" (20mm)
C15	1 1/2" (38.1mm)	2 1/2"	9-5/8" (245mm)	15-3/4" (400mm)	1/4" (7mm)
C15P	1 1/2" (48.3mm)	3"	-	15-3/4" (400mm)	1/4" (7mm)
C20P	2" (60.3mm)	4"	-	15-3/4" (400mm)	1/4" (7mm)
C30P	3" (88.9mm)	5"	-	15-3/4" (400mm)	1/4" (7mm)

Technical Data*						
Sizes	Max Design Pressure	Male Weight lbs (kg)	Female Weight lbs (kg)	Bayonet Heat Leak BTU/HR(W)	Inner Jacket Pipe Construction	Outer Jacket Pipe Construction
C5	200 psig	0.90 (0.4)	0.64 (0.29)	6.0 (1.8)	S/S 300	S/S 300
C10	200 psig	1.66 (0.75)	1.03 (0.47)	12.0 (3.5)	S/S 300	S/S 300
C15	150 psig	2.55 (1.15)	1.85 (0.84)	12.6 (3.7)	S/S 300	S/S 300
C15P	150 psig	3.85 (1.75)	2.05 (0.93)	13.3 (3.9)	S/S 300	S/S 300
C20P	150 psig	5.05 (2.30)	2.67 (1.21)	20.8 (6.1)	S/S 300	S/S 300
C30P	150 psig	9.37 (4.25)	4.28 (1.94)	29.3 (8.6)	S/S 300	S/S 300

## Bayonet Dimensions



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