



Instrument Chambers

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INSTRUMENT CHAMBER SELECTION GUIDE BAC 92 SERIES

	Selection						Su	ıffix	c Cc	ode	s								Description
Α	Instrument Type	G																	GWR
	•	٧																	Vertical Level Switch
		Н																	Horizontal Level Switc
В	Mounting Style		SS																Side-Side
			SB																Side-Bottom
			XX																Special (Specify)
С	Chamber Material			CS															A106 Gr. B
	Ondribor material			LF															A333
				S2															SS-316 / 316 L
				S8															Inconel 825
				XX															Special (Specify)
D	Instrument Chamber Size			701	2														2"
U	motiument onamber oize				3														3"
					4								\vdash						4"
					X														Special (Specify)
Е	Instrument Chamber Pipe Schedule				^	Α													Sch. 10
	Ilistrument Chamber Fipe Schedule					В													
						_													Sch. 40
						С													Sch. 80
						D													Sch. 160
						Х													Special (Specify)
F	Instrument Connection Size (Flanged)						2												2"
							3												3"
							4												4"
							X												Special (Specify)
G	Instument Connection Rating (Flanged)							Α											150#
								В											300#
								С											600#
								D											900#
								Е											1500#
								F											2500#
								Х											Special (Specify)
Н	Instrument Connection Finish (Flanged)								RF										RF
	(· · · · · · · · · · · · · · · ·								WN										WNRF
									SJ										SORTJ
									WJ										WNRTJ
									XX										Special (Specify)
_	Chamber Bottom Style								///	D									Dished End
'	Chamber Bottom Style									В									Bottom cover
										Х			\vdash						Special
_	Process Connection Size									^	1								1/2"
J	Process Connection Size										1								
											2								3/4"
			-								3							_	1"
											4								1.5"
											5								2"
											6								2.5"
											7								3"
											8								4"
											Х								Special (Specify)
K	Process Connection Rating											Α							150#
												В							300#
												С							600#
												D							900#
												Е							1500#
												F							2500#
												T							NPT(F) - 3000#
												X							Special (Specify)
L	Process Connection Type											^	TH						Threaded
_	1 100000 Connection Type												RF						RF
													WN						WNRF
													SJ WJ						SORTJ WNRTJ

INSTRUMENT CHAMBER SELECTION GUIDE BAC 92 SERIES

	Selection				Sı	ıffix	c C	ode	s												Description
М	Vent Connection										PL										Plugged
											FL										Flanged
											FV										Flanged with Valve
											SV										Screwed with Valve
											XX										Special
N	Vent Connection Size											1									1/2"
												2									3/4"
												3									1"
												X									Special (Specify)
0	Vent Connection Rating											^	Α								150#
	vent connection realing												В								300#
													С								600#
		+											D								900#
		+											_								
		-											E								1500#
													F								2500#
													Τ								NPT(F) - 3000#
													Х								Special (Specify)
Р	Vent Connection Type													TH							Threaded
														RF							RF
														WN							WNRF
														SJ							SORTJ
														WJ							WNRTJ
														XX							Special (Specify)
Q	Drain Connection														PL						Plugged
															FL						Flanged
															FV						Flanged with Valve
															SV						Screwed with Valve
															ХХ						Special
R	Drain Connection Size															1					1/2"
																2					3/4"
																3					1"
																Х					Special (Specify)
S	Drain Connection Rating															^	Α				150#
0	Drain Connection (Cating																В				300#
																	С				600#
		-															D				900#
																	E				1500#
																	F				2500#
																	T				NPT(F) - 3000#
																	Χ				Special (Specify)
T	Drain Connection Type																	TH			Threaded
																		RF			RF
																		WN			WNRF
																		SJ			SORTJ
																		WJ			WNRTJ
																		XX			Special (Specify)
U	Mounting Accessories																		00		No Accessories
																			SN		Studs & Nuts
																			GS		Gasket Spiral Wound
																			GF		Gasket Flat (Gra.)
																			GX		Gasket Special
	C to C or C to B Distance																			XXXX	

Note: Other information as per data sheet



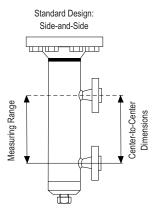
INSTRUMENT CHAMBERS

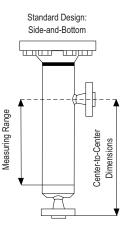


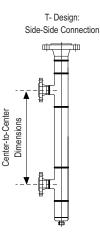
Introduction to Bliss Instrument Chambers

Also known as a cage, it houses the liquid process being measured and instrument's sensing element. There are many types of process connections on the body of the chamber which allow mounting to the vessel.

Figure below show the most common configurations.







This configuration allows an instrument to be isolated with valves for maintenance without disturbing plant operation. It is also useful for in-tank restrictions that do not allow mounting of the instrument in a vessel. This approach offers many advantages when solving application challenges. The instrument is mounted on top of the chamber with the flanged or threaded instrument connection. A thread version is available for the vertical float level switch.

When ordering, specify the center-to-center dimension in feet and inches, or meters and millimeters.



INSTRUMENT CHAMBERS

BLISS ANAND Instrument Chambers

- * Allows external mounting of process level instrumentation.
- * Ideal for critical area and general purpose applications.
- * Power, Petro-Chemical, Refining, Oil & Gas, Chemical and Process Steam.
- * 38 years of experience in designing and manufacturing chambers in accordance with international codes.
- * Variety of process connections and optional drain and vent connections.
- * Used by major industries worldwide.
- * Enables live maintenance.
- * Designed to ASME B31.3.
- * Pressure Equipment Directive (PED) complaint.
- * Custom designs service available.
- * For use in applications up to ASME B16.5 Class 2500 and EN1092 PN250.
- * Available in carbon steel, stainless steel and other alloys.

Chamber Design

The Bliss instrument chamber is designed to the ASME B31.3 standard, and is Pressure Equipment Directive (PED) complaint. Weld neck flanges and full penetration welds in accordance with EN ISO 15614-1:2004 and ASME Boiler and pressure Vessel Code Section IX are used throughout. All welders are qualified to EN 287-1:2004 and ASME Boiler and pressure Vessel code section IX. All construction materials have full traceability in accordance with the EN 10204 type 3.1 certificates. Every chamber is hydro-tested as standard. There are two designs available: the Standard Design and T-piece Design.

Standard Design

With the standard design, the process connections are welded directly onto the chamber body. This keeps the number of welds to a minimum for increased Safety.

Pressure ratings up to and including ASME B16.5 Class 2500.

T-Piece Design

T-Piece design is used, Unequal T's are used so the larger process connections can fit on the smaller chamber body.

Pressure ratings of up to and including ASME B16.5 Class 2500.

Drain and Vent (Optional)

A drain allows liquid to be drained away and allows maintenance of the instrument. It is always specified for a side-and-side chamber. A vent is optional and allows gas in the upper zone above the liquid to be vented off. Both the drain and vent are available as threaded or flanged in a variety of sizes. Special types are also available upon request.



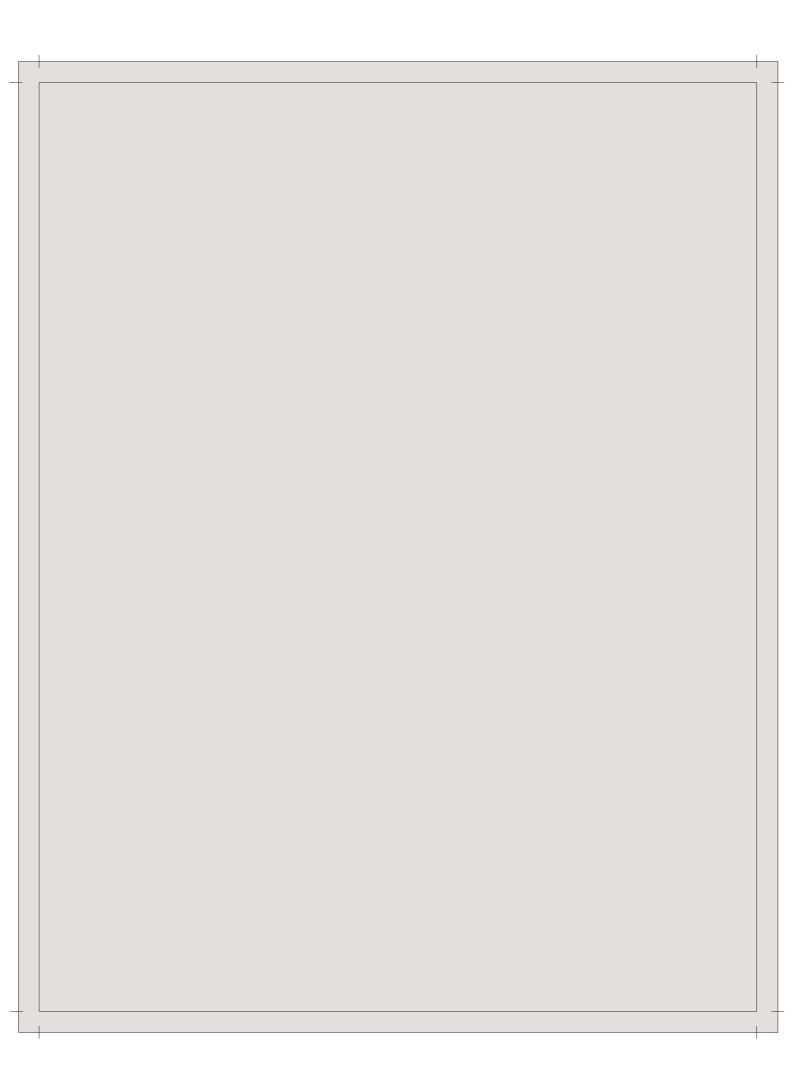


Special Requirements & Testing

- H2 Compliance
- PMI
- D.P. Test
- Radiography
- Ultra Sonic
- Approved Weld Procedures & Welder Certifications
- Nace Compliance
- HIC Compliance
- SP. Alloy Weldings (Alloy 825, StSt, Monel, LF2 etc.)
- Other testing available as required



Notes	
Notes	





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BLISS ANAND: The spirit to walk an extra mile

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