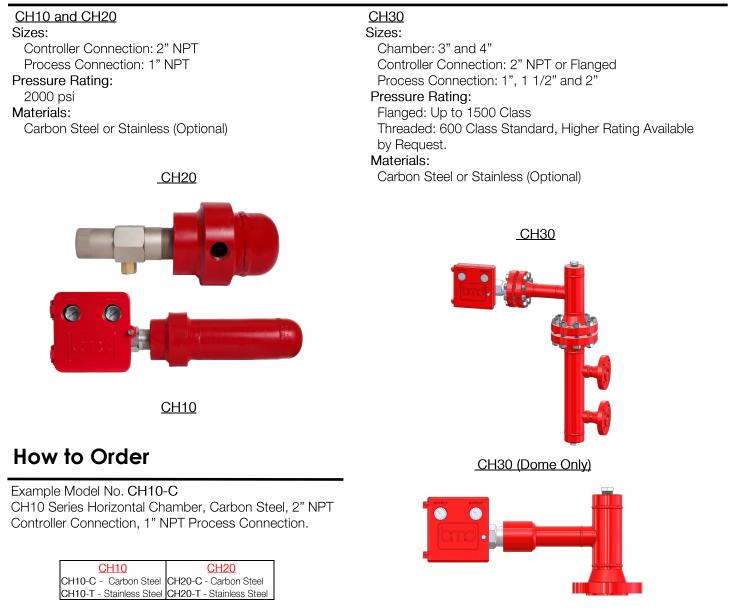


CH10, CH20, CH30 CHAMBERS

BMD's CH10, CH20 and CH30 chambers are designed to be used with the series LC10 liquid level controller, but may also be used with other types of level switches and controllers. BMD offers two sizes of horizontal chambers, the CH10 and CH20 as well as a full line of vertical chambers (CH30). The upper dome portion of the CH30, vertical chamber can also be ordered separately for top entry into a vessel.

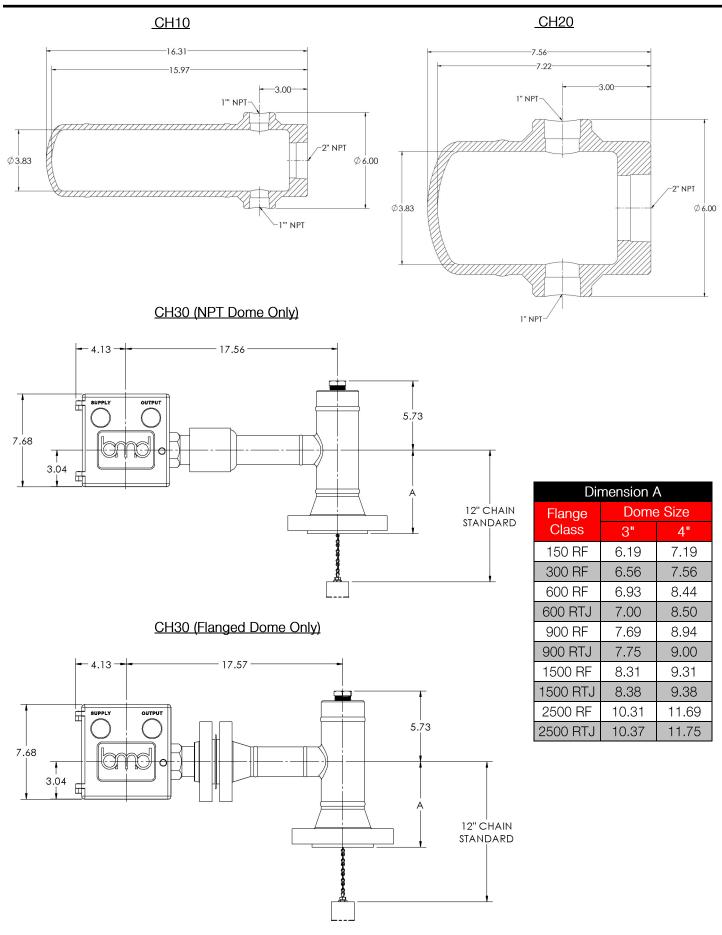
Chambers offer the benefit of isolating the process fluid from the turbulence of the main vessel making for a more accurate level measurement. They are also an excellent choice for situations where the main vessel's internal geometry may block the direct installation of a level controller. BMD's CH30 vertical chambers are fully customizable to meet many process piping sizes and connections.

Specifications



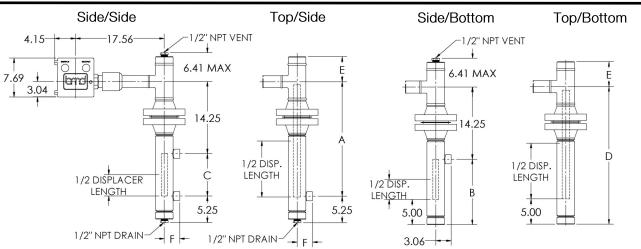
Level controllers sold separately.

Dimensions

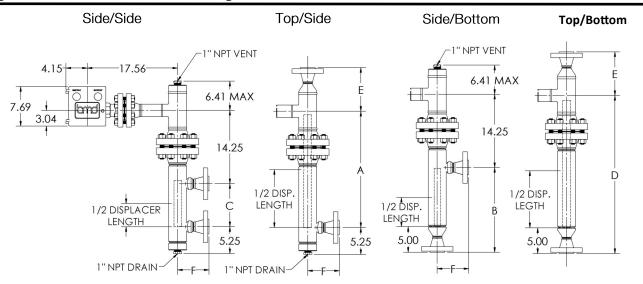


CH30 Dimensions

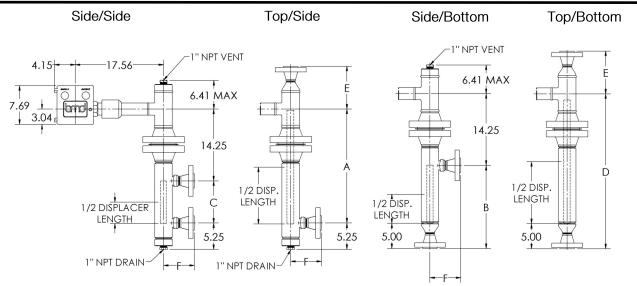
Threaded Level Controller with Threaded Vessel Connection



Flanged Level Controller with Flanged Vessel Connection



Threaded Level Controller with Flanged Vessel Connection



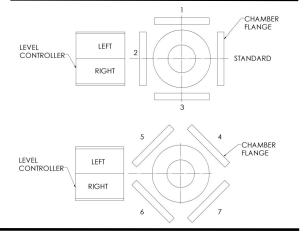
(Flanged Level Controller with Threaded Vessel Connection also available.)

CH30 Dimensions (continued)

Chamber	Vessel Connection			Dimension	
Size	Туре	Size	Rating	E	F
	- NPT	1"	ALL	4.91"	3.12"
3"		1 1/2"			3.19"
		2"			3.31"
		1"		5.72"	3.62"
4"		1 1/2"			3.69"
		2"			3.81"
	- Flanged	1"	150#	7.10"	Consult Factory
			300#	7.35"	
			600#	7.60"	
		1 1/2"	150#	7.35"	5.62"
3"			300#	7.60"	5.88"
			600#	7.91"	6.19"
		2"	150#	7.41"	5.88"
			300#	7.66"	6.12"
			600#	8.04"	6.5"
		1"	150#	7.91"	Consult Factory
			300#	8.16"	
			600#	8.41"	
		1 1/2"	150#	8.16"	6.12"
4"			300#	8.41"	6.38"
			600#	8.72"	6.69"
		2"	150#	8.22"	6.38"
			300#	8.47"	6.62"
			600#	8.85"	7"

Dimension	Chamber Style	Displacer Length	Dimension
С	Side-Side	14"	14"
0	Side-Side	32"	32"
А	Top-Side	14"	15"
	Top-Side	32"	33"
D	Side-Bottom	14"	18"
D	SIDE-DULLUITI	32"	36"
	Top-Bottom	14"	20"
D		32"	38"

Orientation Chart



How to Order

Example Model No. CH30-3N30FC1-10N14DD1

CH30 Series Chamber, 3" Chamber, 2" NPT Level Control Connection, 3" 300 Class RF Flange, Carbon Steel Chamber, A193 B7 Bolts with Stainless-Grafoil Gaskets, 1" NPT Vessel Connections, 14" Displacer Length, Side/Side Chamber Style, Standard Orientation. To order dome only stop here

Chamber Size				CH30-3 N 30 F C 1 - 10 N 14 DD
2 - 2" (Dome Only)	3 - 3"	4 - 4"		
Level Control Con N - 2" NPT L.C. Conn		F - 2" Flanged L.C	. Connection	
Flange Class 10 - 150 30 - 300	60 - 600 90 - 900	15 - 1500 25 - 2500 (Dome)	Only)	
Flange Type F - RF Flange	J - RTJ Flange		-	
Chamber Material C - Carbon Steel		ACE T - Stainless Steel		
Bolts/Gaskets 1 - A193 B7/Stainless Grafoil	- 2 - A193 B7/Inconel- Grafoil (NACE)	- 3 - A194 B8M/ Stainless-Grafo	4 - A194 B8M/Inconel- il Grafoil (NACE)	
Vessel Connection 10 - 1"	ר 15 - 1.5"	20 - 2"		
Vessel Connection N - NPT	n Type F - RF Flange	J - RTJ Flange		
Displacer Length 14 - 14"	32 - 32"	Length - Other		
Chamber Style DD - Side/Side	DB - Side/Bottom	TD - Top/Side	TB - Top/Bottom	
Orientation (See C	Chart)			
Blank - Standard	2 4 3 5	6 7	8 9	Beaumont Manufacturing

NOTE: Level control arm must be 16.44" for proper alignment with CH30.

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