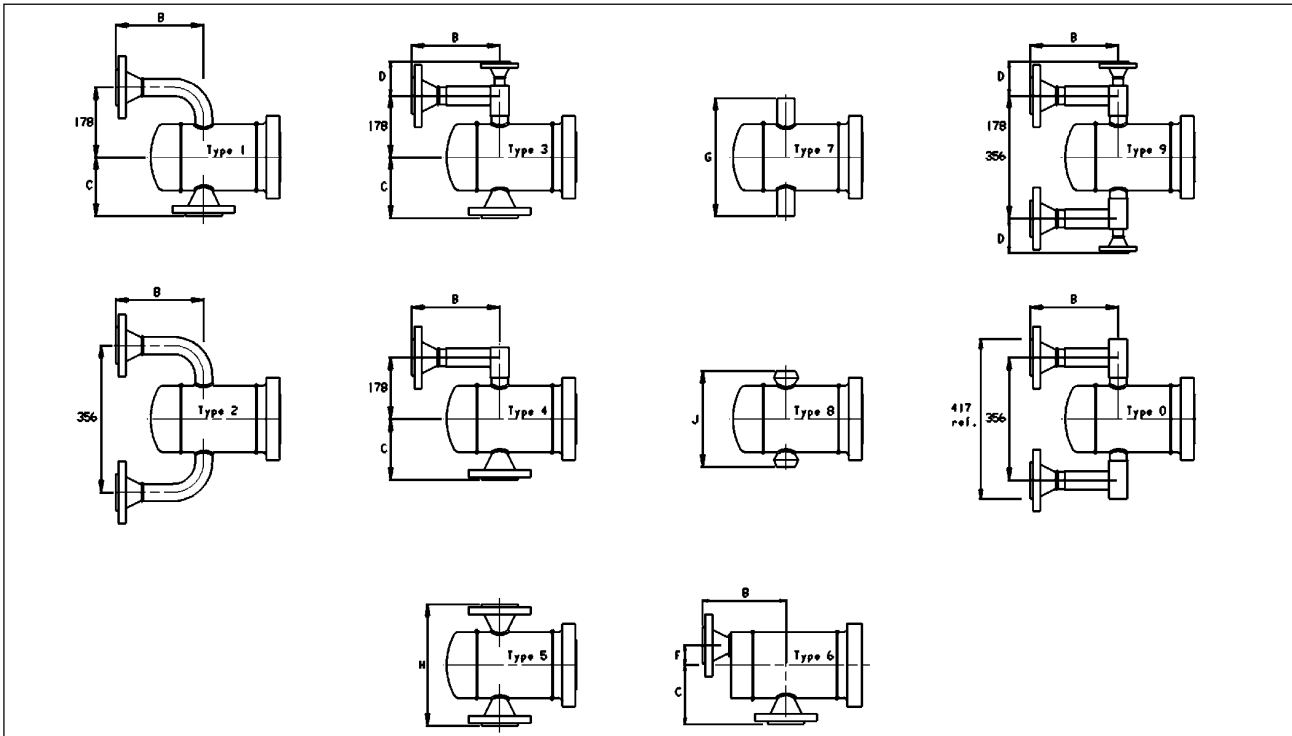


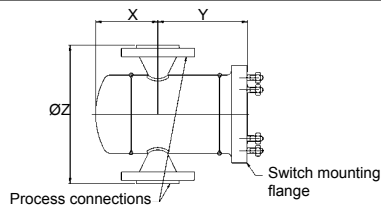
Fabricated chamber dimensions



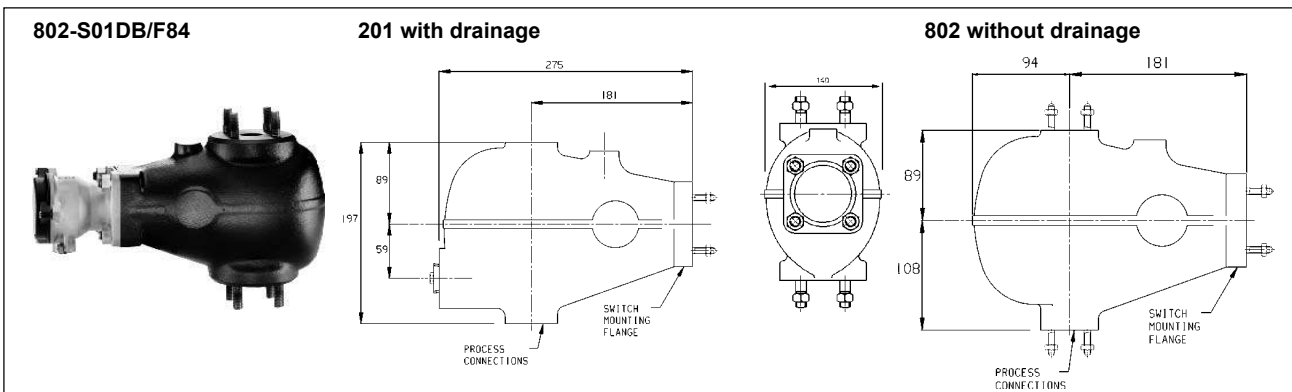
Fabricated chambers Standard dimensions: Ref. only - must be certified on order

Model	Sw mounting flg	Pressure	X	Y	Z	Model	Sw mounting flg	Pressure	X	Y	Z
144C	ANSI 3" # 150	19.6 bar	143	185	168	305C	BSEN1092-1 DN80 PN64	64 bar	143	183	168
145C	ANSI 3" # 300	51 bar	143	185	168	306C	BSEN1092-1 DN65 PN40	40 bar	143	162	168
148C	MOBREY 'A'	18 bar	143	169	168	307C	ANSI 3" Class 600	102 bar	143	162	168
151C	MOBREY 'G'	21 bar	143	169	168	308C	ANSI 3" Class 900	153 bar	143	164	168

Nominal ref. dimensions



Cast chambers Standard dimensions: Ref. only - must be certified on order



Type no.	Material Cast iron	Process connections	Maximum working conditions for chamber		Suitable Mobrey level switches		Drainage
			Pressure	Temp.	Switch flange	Typical combination	
201	BS EN 1561 Grade EN GJL 250	Screwed 1" BSP	13 bar	at 210°C	Mobrey A	201-S01DB/F84	With
802	BS EN 1561 Grade EN GJL 250	BS EN 1092-1 DN20 PN16	13 bar	at 210°C	Mobrey A	802-S01DB/F84	Without

Minimum working temperature 0°C

Fabricated chambers : ordering information

Code	Material switch flange	max. Pressure 20°C	Max Temp °C	See page 4 for gasket limits
144C	Carbon steel/ANSI 3" Class 150	19.6 bar	400°C	
145C	Carbon steel/ANSI 3" Class 300	51 bar	400°C	
148C	Carbon steel/Mobrey 'A'	18 bar	400°C	
151C	Carbon steel/Mobrey 'G'	21 bar	400°C	
305C	Carbon steel/BS EN 1092-1 DN80 PN64	64 bar	400°C	
306C	Carbon steel/BS EN 1092-1 DN65 PN40	40 bar	400°C	
307C	Carbon steel/ANSI 3" Class 600	102 bar	400°C	
308C	Carbon steel/ANSI 3" Class 900	153 bar	400°C	

CODE	Process connection style
1	Side & top or side & bottom Flanged
2	Side & side Flanged
3	Side & top or side & bottom Flanged with ¾" flanged vent/drain
4	Side & top or side & bottom Flanged with ¾" threaded vent/drain
5	Top & bottom Flanged
6	Side & top or side & bottom Flanged (close centres)
7	Top & bottom stub pipe
8	Top & bottom threadolet or sockolet
9	Side & side Flanged with ¾" flanged vent/drain
0	Side & side Flanged with ¾" threaded vent/drain

CODE	Process connection size/rating
00	1" NB Sockolet
01	1" NPT threaded (female)
02	1 ½" NPT threaded (female)
03	2" NPT threaded (female)
04	1" BSPT threaded (female)
08	1" NB Sch 80 stub pipe
10	2" NB Sch 80 stub pipe
11	ANSI 1" Class 150 RF weld neck
12	ANSI 1" Class 300 RF weld neck
13	ANSI 1" Class 600 RF weld neck
15	BS EN 1092-1 DN25 PN16 RF weld neck
16	BS EN 1092-1 DN25 PN25 RF weld neck
17	BS EN 1092-1 DN25 PN40 RF weld neck
18	BS EN 1092-1 DN25 PN64 RF weld neck
19	BS EN 1092-1 DN25 PN100 RF weld neck
21	ANSI 1 ½" Class 150 RF weld neck
22	ANSI 1 ½" Class 300 RF weld neck
25	BS 4504 DN 40 PN16 RF weld neck
31	ANSI 2" Class 150 RF weld neck
32	ANSI 2" Class 300 RF weld neck
33	ANSI 2" Class 600 RF weld neck
34	ANSI 2" Class 900 RF weld neck
35	BS EN 1092-1 DN50 PN16 RF weld neck
36	BS EN 1092-1 DN50 PN25 RF weld neck
37	BS EN 1092-1 DN50 PN40 RF weld neck

Chamber options to customer order

- Chambers can be manufactured in a wide variety of materials, including 321 & 316 stainless steel, Incoloy Monel CrMo steels & other more exotic materials.
- Paint finish to customer specifications.
- NDT to CSWIP and ASNT is available for radiographic ultrasonic, mag particle and dye penetrant.
- Chambers may be supplied in accordance with NACE recommendations for sour service.

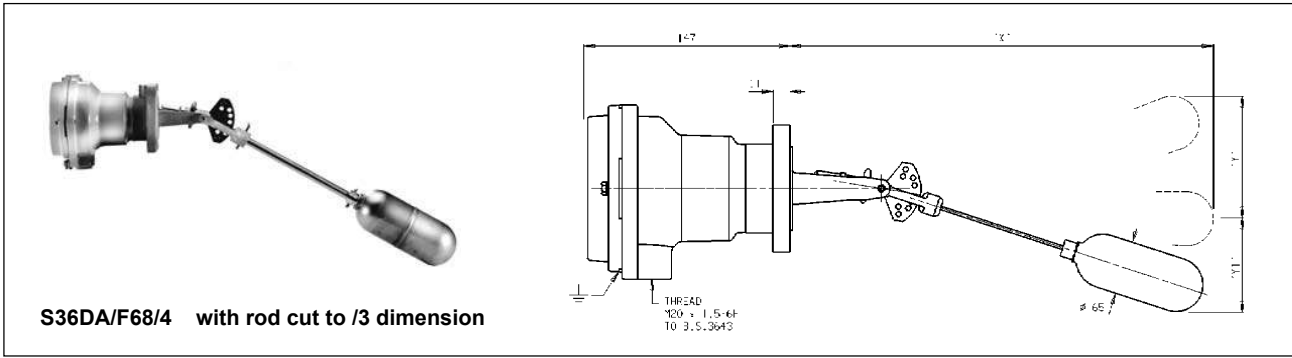
145C / 5 12 Typical ordering information

Process connection sizes and dimensions for fabricated chambers																			
Dim	1"			DN25				1.5"		DN40		2"			DN50			Tolerance	
	150	300	600	PN16	PN25	PN40	PN100	150	300	PN16	150	300	600	900	PN16	PN25	PN40	+	-
B	212	218.5	225	196	198	198	216	218.5	225	200	220	226	236	265	203	206	206	0	3
C	139	145.5	152.5	123	125	125	143.5	143.5	150	125.5	144	150.5	161.5	190	127	130	130	0	1.5
D*	108	112	117	-	-	-	-	108	112	-	108	112	117	133	-	-	-	0	2
E	212	218.5	225	196	198	198	216	218.5	225	200	220	226	-	-	203	206	206	0	2
F	60	60	60	60	60	60	60	54	54	54	48	48	-	-	48	48	48	1	1
H	278	291	305	246	250	250	287	287	300	251	288	301	323	380	254	260	260	0	3
J	Screwed							Screwed/SW			Screwed or socket weld								
	NPT			BSP				NPT			NPT						0	3	
	240			240				244			250								

* ¾" N.B. Vent/drain flange of relevant rating as shown. All dimensions shown are nominal and should be certified on order.

Float specification

Horizontal f68 pump control and alarm float



Switches fitted with F68 type float unit may be adjusted on site to meet pump control differential requirements.

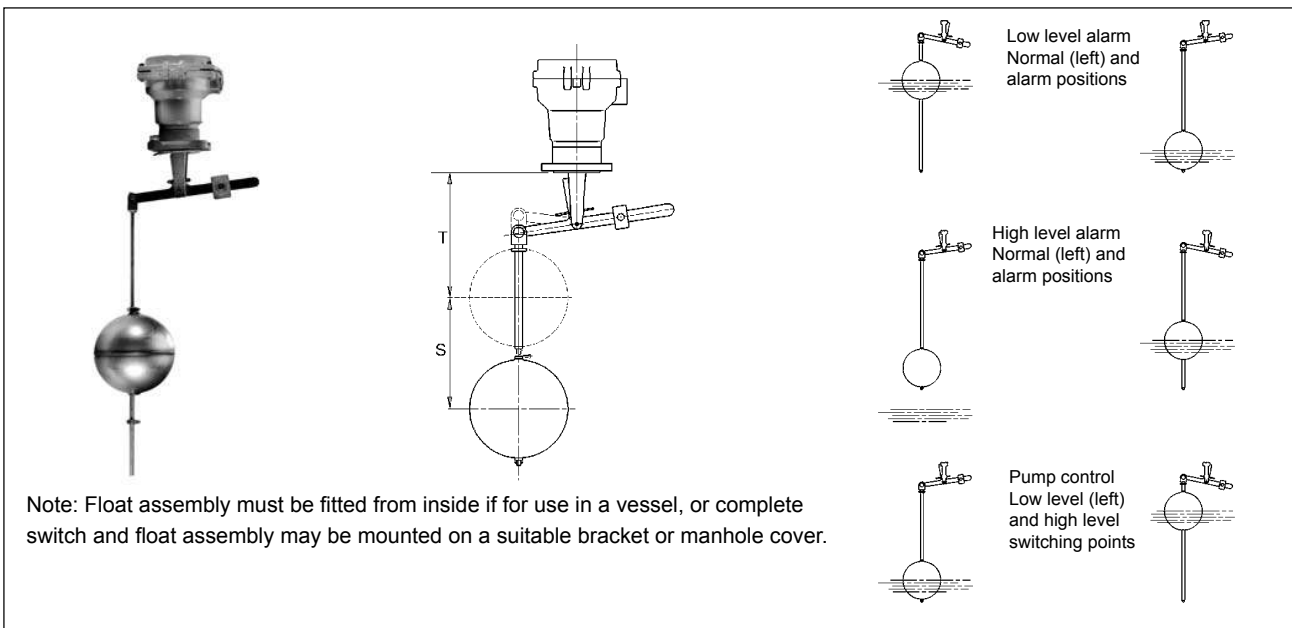
The float is available as a F68/1 or F68/4.

The F68/4 has pre-drilled holes along the rod to allow the user to achieve the 1/2 and 1/3 differentials in the table below:

Full details of the operating levels and differentials are in the manual. Note, these dimensions are approximate for cold water and will vary for liquids of different SG.

Maximum intrusion	F68/1	F68/2	F68/3	F68/4
Wetside (mm) x	360	470	590	643
Minimum SG	0.72	0.8	0.82	0.85
Minimum tank dimension above/below centre line (mm)	216	292	368	406
Maximum differential (mm)	247	360	483	555

Vertical F21 pump control and alarm float



Float rod lengths available : F21/1: 1524mm (5')
 F21/2: 3048mm (10')
 F21/3: 4570mm (15') max.

Float rods may be cut to length on site and switches set to operate at required level in either pump control or alarm mode by following the setting instructions supplied.

Type number	Pump differential 'S'	Alarm levels	
		Minimum 'T'	Maximum 'S'
F21/*	13-4420*	172	4400*

* When maximum rod length specified