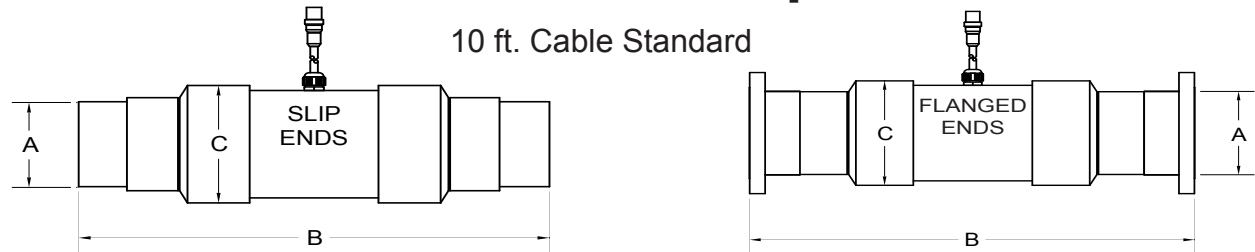


## SBC Reaction Chamber Specifications



MODEL	"A"	"B" in. (mm)				"C"	WEIGHT LB. (KG.)			
	NOM. PIPE SIZE	PVC/CPVC SLIP	PVC/CPVC FLANGED	FRP SLIP	FRP FLANGED	COIL COVER O.D.	PVC/CPVC SLIP	PVC/CPVC FLANGED	FRP SLIP	FRP FLANGED
	in. (mm)						in. (mm)			
SBC2000	2 (51)	23.69 (602)	24.00 (610)	23.50 (597)	24.00 (610)	5.03 (128)	10 (4.5)	12 (5.4)	10 (4.5)	16 (7.2)
SBC3000	3 (76)	29.50 (749)	30.00 (762)	29.50 (749)	30.00 (762)	7.13 (181)	21 (9.58)	25 (11.3)	21 (9.5)	24 (10.8)
SBC4000	4 (102)	29.50 (749)	30.00 (762)	29.50 (749)	30.00 (762)	7.13 (181)	23 (10.4)	29 (13.1)	23 (10.4)	32 (14.5)
SBC5000	5 (127)	35.25 (895)	36.00 (914)	NA	NA	9.25 (235)	38 (17.1)	42 (19.0)	NA	NA
SBC6000	6 (152)	35.25 (895)	36.00 (914)	35.50 (902)	36.00 (914)	9.25 (235)	43 (19.5)	47 (21.3)	39 (17.6)	48 (21.7)
SBC8000	8 (203)	39.25 (997)	40.00 (1016)	39.25 (997)	40.00 (1016)	11.50 (292)	68 (30.8)	77 (34.9)	62 (28.1)	73 (33.0)
SBC10000	10 (254)	46.63 (1184)	48.00 (1219)	46.63 (1184)	48.00 (1219)	13.27 (337)	95 (43.0)	119 (53.9)	84 (38.0)	120 (54.3)
SBC12000	12 (305)	46.63 (1184)	48.00 (1219)	46.63 (1184)	48.00 (1219)	14.53 (369)	125 (56.6)	159 (72.0)	108 (48.9)	162 (73.3)
SBC14000	14 (356)	46.63 (1184)	48.00 (1219)	46.63 (1184)	48.00 (1219)	16.55 (420)	151 (68.3)	205 (92.8)	127 (57.5)	202 (90.9)
SBC16000	16 (406)	46.63 (1184)	48.00 (1219)	46.63 (1184)	48.00 (1219)	18.45 (471)	188 (85.1)	263 (119.0)	150 (67.9)	249 (112.6)
SBC18000	18 (457)	46.63 (1184)	48.00 (1219)	46.63 (1184)	48.00 (1219)	20.54 (522)	227 (102.7)	317 (143.4)	169 (76.5)	281 (127.2)
SBC20000	20 (508)	46.63 (1184)	NA	46.63 (1184)	48.00 (1219)	24.54 (623)	285 (129.0)	NA	201 (90.9)	347 (157.0)
SBC24000	24 (610)	54.00 (1372)	NA	54.00 (1372)	54.00 (1372)	28.92 (727)	409 (185.0)	NA	278 (125.8)	457 (206.8)

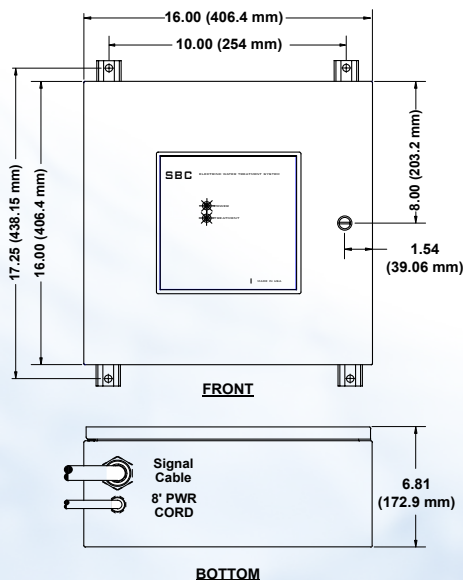
Schedule 80 PVC/CPVC 10" - 24" is by Special Order Only - Schedule 40 Fiberglass (FRP) is available in all sizes except 5"

Lengths are  $\pm 0.25"$  (6 mm)

Reaction Chamber Meets NEMA 4 Weatherproof Specifications

See Page 2 for Temperature and Pressure Ratings

## SBC Driver (SBC2000 - SBC24000)



SPECIFICATIONS	
Enclosure	NEMA 4
Weight	40 Lb (18.1 Kg)
Voltage	100-240 VAC
Hertz	47- 63 Hz
Power Consumption	<100 Watts
Temperature	
SBC Driver	14°F to 120°F (-10°C to 49°C)

REV. 08/09

<b>PVC Schedule 80 Pipe Temperature Derating</b>																
Max. Working Pressure in PSIG (Bars = PSIG X 0.069) per Given Temperature °F (°C)																
Size: in. (mm)	70° (21.1)		80° (26.7)		90° (32.2)		100° (37.8)		110° (43.3)		120° (48.9)		130° (54.4)		140° (60.0)	
	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange
2 (51)	400	150	352	150	300	150	248	150	200	135	160	110	120	75	88	50
3 (76)	370	150	326	150	278	150	229	150	185	135	148	110	111	75	81	50
4 (102)	320	150	282	150	240	150	198	150	160	135	128	110	96	75	70	50
5 (127)	290	150	255	150	218	150	180	150	145	135	116	110	87	75	64	50
6 (152)	280	150	246	150	210	150	174	150	140	135	112	110	84	75	62	50
8 (203)	250	150	220	150	188	150	155	150	125	125	100	100	75	75	55	50
10 (254)	230	150	202	150	173	150	143	143	115	115	92	92	69	69	51	50
12 (305)	230	150	202	150	173	150	143	143	115	115	92	92	69	69	51	50
14 (356)	220	150	194	150	165	150	136	136	110	110	88	88	66	66	48	48
16 (406)	220	150	194	150	165	150	136	136	110	110	88	88	66	66	48	48
18 (457)	220	150	194	150	165	150	136	136	110	110	88	88	66	66	48	48
20 (508)	220	150	194	150	165	150	136	136	110	110	88	88	66	66	48	48
24 (610)	210	150	185	150	158	150	130	130	105	105	84	84	63	63	46	46

<b>CPVC Schedule 80 Pipe Temperature Derating</b>																
Max. Working Pressure in PSIG (Bars = PSIG X 0.069) per Given Temperature °F (°C)																
Size: in. (mm)	70° (21.1)		80° (26.7)		90° (32.2)		100° (37.8)		110° (43.3)		120° (48.9)		130° (54.4)		140° (60.0)	
	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange
2 (51)	400	150	400	150	368	150	340	150	300	145	260	135	228	125	200	110
3 (76)	370	150	370	150	340	150	315	150	278	145	241	135	211	125	185	110
4 (102)	320	150	320	150	294	150	272	150	240	145	208	135	182	125	160	110
5 (127)	290	150	290	150	267	150	247	150	218	145	189	135	165	125	145	110
6 (152)	280	150	280	150	258	150	238	150	210	145	182	135	160	125	140	110
8 (203)	250	150	250	150	230	150	213	150	188	145	163	135	143	125	125	110
10 (254)	230	150	230	150	212	150	196	150	173	145	150	135	131	125	115	110
12 (305)	230	150	230	150	212	150	196	150	173	145	150	135	131	125	115	110
14 (356)	220	150	220	150	202	150	187	150	165	145	143	135	125	125	110	110
16 (406)	220	150	220	150	202	150	187	150	165	145	143	135	125	125	110	110
18 (457)	220	150	220	150	202	150	187	150	165	145	143	135	125	125	110	110
20 (508)	220	150	220	150	202	150	187	150	165	145	143	135	125	125	110	110
24 (610)	210	150	210	150	193	150	179	150	158	145	137	135	120	120	105	105

<b>CPVC Schedule 80 Pipe Temperature Derating</b>												<b>Fiberglass Sch. 40</b>			
Size: in. (mm)	150° (65.6)		160° (71.1)		170° (76.7)		180° (82.2)		190° (87.8)		200° (93.3)		Size: in. (mm)	275° (135)	
	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange	Slip	Flange		Slip	Flange
2 (51)	180	100	160	90	128	80	100	70	88	60	80	50	2 (51)	625	150
3 (76)	167	100	148	90	118	80	93	70	81	60	74	50	3 (76)	375	150
4 (102)	144	100	128	90	102	80	80	70	70	60	64	50	4 (102)	300	150
5 (127)	131	100	116	90	93	80	73	70	64	60	58	50	5 (127)	N/A	N/A
6 (152)	126	100	112	90	90	80	70	70	62	60	56	50	6 (152)	250	150
8 (203)	113	100	100	90	80	80	63	63	55	55	50	50	8 (203)	250	150
10 (254)	104	100	92	90	74	74	58	58	51	51	46	46	10 (254)	200	150
12 (305)	104	100	92	90	74	74	58	58	51	51	46	46	12 (305)	200	150
14 (356)	99	68	88	60	70	70	55	55	48	48	44	44	14 (356)	175	150
16 (406)	99	68	88	60	70	70	55	55	48	48	44	44	16 (406)	150	150
18 (457)	99	68	88	60	70	70	55	55	48	48	44	44	18 (457)	125	125
20 (508)	99	68	88	60	70	70	55	55	48	48	44	44	20 (508)	125	125
24 (610)	95	68	84	60	67	67	53	53	46	46	42	42	24 (610)	125	125