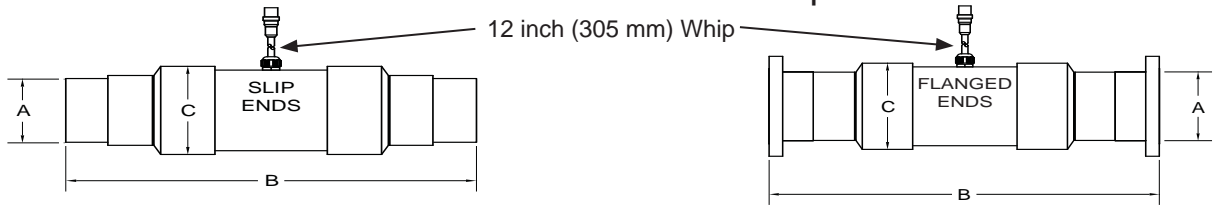




## WAVE™ Reaction Chamber Specifications



| MODEL     | "A"            | "B" in. (mm) |              |                    | "C"             | WEIGHT LB. (KG.) |             |                    |
|-----------|----------------|--------------|--------------|--------------------|-----------------|------------------|-------------|--------------------|
|           | NOM. PIPE SIZE | PVC SLIP     | PVC FLANGED  | FIBERGLASS FLANGED | COIL COVER O.D. | PVC SLIP         | PVC FLANGED | FIBERGLASS FLANGED |
|           | in. (mm)       |              |              |                    |                 |                  |             |                    |
| WAVE-100  | 1 (25)         | 23.69 (602)  | 24.00 (610)  | 24.00 (610)        | 4.2 (107)       | 9 (4.0)          | 12(5.4)     | 15 (6.8)           |
| WAVE-200  | 2 (51)         | 23.69 (602)  | 24.00 (610)  | 24.00 (610)        | 5.0 (127)       | 10 (4.5)         | 12 (5.4)    | 16 (7.2)           |
| WAVE-300  | 3 (76)         | 29.50 (749)  | 30.00 (762)  | 30.00 (762)        | 7.1 (180)       | 21 (9.58)        | 25 (11.3)   | 24 (10.8)          |
| WAVE-400  | 4 (102)        | 29.50 (749)  | 30.00 (762)  | 30.00 (762)        | 7.1 (180)       | 23 (10.4)        | 29 (13.1)   | 32 (14.5)          |
| WAVE-500  | 5 (127)        | 35.25 (895)  | 36.00 (914)  | NA                 | 9.3 (236)       | 38 (17.1)        | 42 (19.0)   | NA                 |
| WAVE-600  | 6 (152)        | 35.25 (895)  | 36.00 (914)  | 36.00 (914)        | 9.3 (236)       | 43 (19.5)        | 47 (21.3)   | 48 (21.7)          |
| WAVE-800  | 8 (203)        | 39.25 (997)  | 40.00 (1016) | 40.00 (1016)       | 11.5 (292)      | 68 (30.8)        | 77 (34.9)   | 73 (33.0)          |
| WAVE-1000 | 10 (254)       | 46.63 (1184) | 48.00 (1219) | 48.00 (1219)       | 13.3 (338)      | 95 (43.0)        | 119 (53.9)  | 120 (54.3)         |
| WAVE-1200 | 12 (305)       | 46.63 (1184) | 48.00 (1219) | 48.00 (1219)       | 14.5 (368)      | 125 (56.6)       | 159 (72.0)  | 162 (73.3)         |
| WAVE-1400 | 14 (356)       | 46.63 (1184) | 48.00 (1219) | 48.00 (1219)       | 16.6 (422)      | 151 (68.3)       | 205 (92.8)  | 202 (90.9)         |
| WAVE-1600 | 16 (406)       | 46.63 (1184) | 48.00 (1219) | 48.00 (1219)       | 18.5 (470)      | 188 (85.1)       | 263 (119.0) | 249 (112.6)        |
| WAVE-1800 | 18 (457)       | 46.63 (1184) | 48.00 (1219) | 48.00 (1219)       | 20.5 (521)      | 227 (102.7)      | 317 (143.4) | 281 (127.2)        |
| WAVE-2000 | 20 (508)       | 46.63 (1184) | NA           | 48.00 (1219)       | 24.5 (622)      | 285 (129.0)      | NA          | 347 (157.0)        |
| WAVE-2400 | 24 (610)       | 54.00 (1372) | NA           | 54.00 (1372)       | 28.9 (734)      | 409 (185.0)      | NA          | 457 (206.8)        |

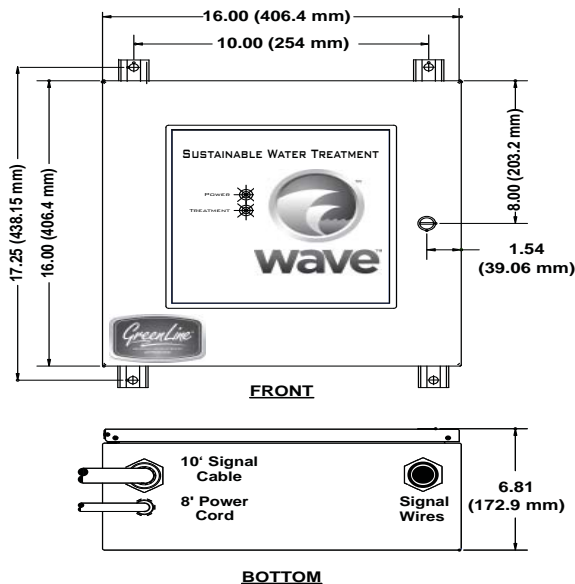
Schedule 80 PVC/CPVC 10" - 24" is by Special Order Only - Schedule 40 Fiberglass (FRP) is available in all sizes except 5"

Lengths are ± 0.25" (6 mm) - "C" (Coil Cover) can vary depending on fabrication procedure used.

Reaction Chamber Meets NEMA 4 Weatherproof Specifications

See Page 2 for Temperature and Pressure Ratings

## WAVE™ Driver (All Sizes)



| SPECIFICATIONS          |                                  |
|-------------------------|----------------------------------|
| Enclosure               | NEMA 4                           |
| Weight                  | 40 Lb (18.1 Kg)                  |
| Voltage                 | 85-264VAC                        |
| Hertz                   | 47- 63 Hz                        |
| Power Consumption       | <150 Watts                       |
| Power Cable             | 8' (2.4 Meters)                  |
| Signal Cable (Standard) | 10' (3.0 Meters)                 |
| Temperature             |                                  |
| SBC Driver              | 14°F to 120°F<br>(-10°C to 43°C) |



| PVC Schedule 80 Pipe Temperature Derating   |            |        |            |        |            |        |             |        |             |        |             |        |             |        |             |        |
|---|------------|--------|------------|--------|------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| 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     |

| CPVC Schedule 80 Pipe Temperature Derating  |            |        |            |        |            |        |             |        |             |        |             |        |             |        |             |        |
|---|------------|--------|------------|--------|------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|
| 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    |

| CPVC Schedule 80 Pipe Temperature Derating |             |        |             |        |             |        |             |        |             |        |             | Fiberglass Sch. 40 |                |            |        |  |
|--|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------------------|----------------|------------|--------|--|
| 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             |                | Pipe       | 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    |  |