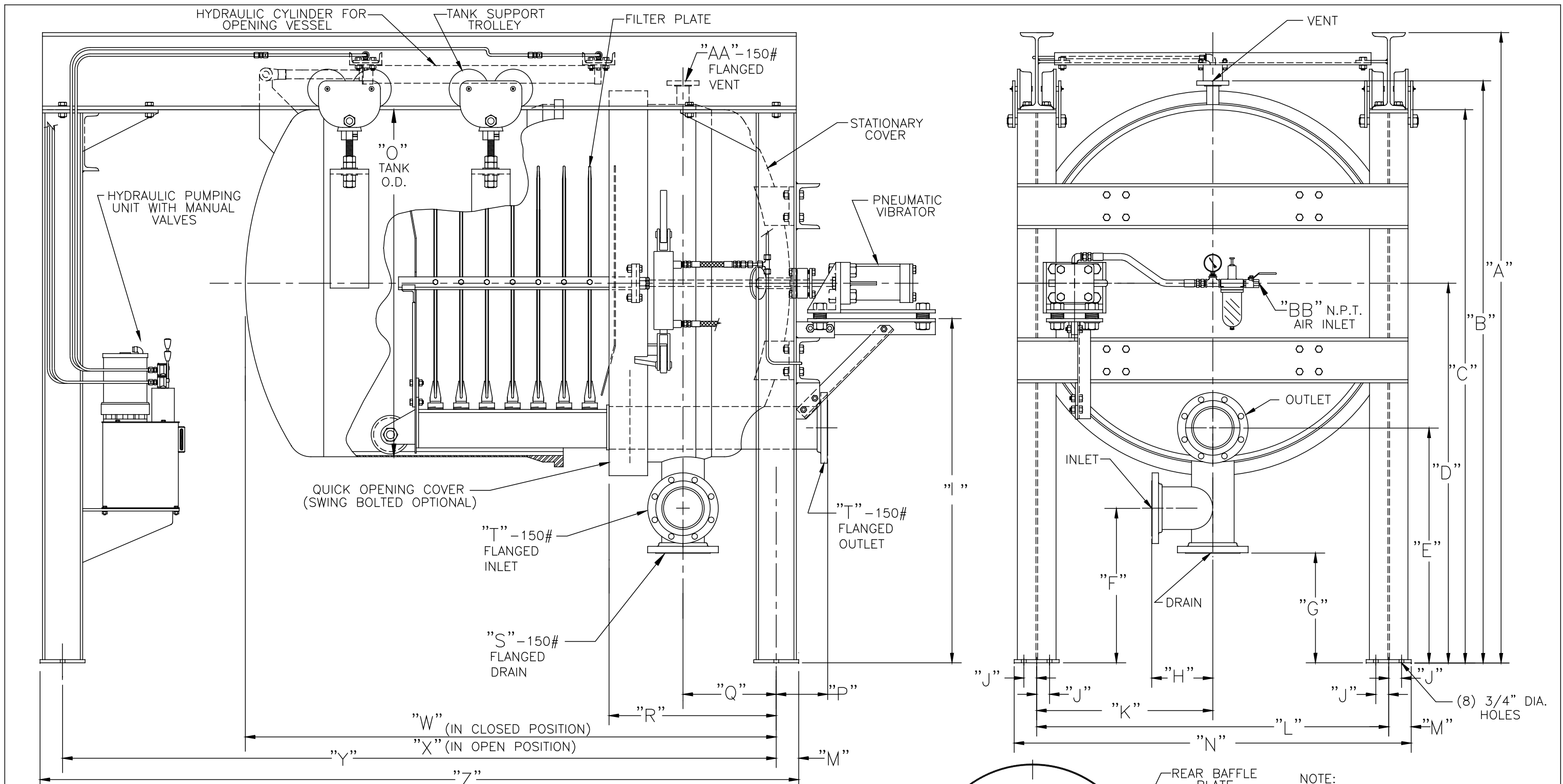




***\*Generic Sales Drawing for Reference Only***

| TANK SIZE | A    | B    | C    | D   | E    | F   | G    | H    | I    | J  | K    | L    | M   | N    | O   | P   | Q    | R    | S  | T  | AA  | BB |
|-----------|------|------|------|-----|------|-----|------|------|------|----|------|------|-----|------|-----|-----|------|------|----|----|-----|----|
| 36"       | 75"  | 69"  | 67"  | 47" | 32½" | 22" | 14"  | 8"   | 41½" | 2" | 18¼" | 36½" | 3"  | 42½" | 36" | 8"  | 11"  | 21"  | 4" | 4" | 1"  | ¾" |
| 54"       | 98"  | 90½" | 86"  | 59" | 36½" | 24" | 17"  | 9½"  | 53½" | 2" | 27¾" | 54¾" | 3½" | 61¾" | 54" | 8"  | 14½" | 26"  | 6" | 6" | 1½" | ½" |
| 60"       | 106" | 98½" | 94"  | 64" | 39¾" | 24" | 17"  | 10½" | 58½" | 2" | 30¾" | 60¾" | 3½" | 67¾" | 60" | 10" | 16"  | 27¼" | 6" | 6" | 2"  | ½" |
| 72"       | 124" | 114" | 109" | 73" | 44"  | 29" | 20½" | 12"  | 67½" | 2" | 36¾" | 72¾" | 3½" | 79¾" | 72" | 11" | 18¾" | 31"  | 8" | 8" | 2"  | ½" |
|           |      |      |      |     |      |     |      |      |      |    |      |      |     |      |     |     |      |      |    |    |     |    |

CROSS SECTION OF TANK

NOTE:  
ALL CHART INFORMATION IS  
APPROXIMATE AND FOR SALES  
PURPOSES ONLY. FINAL DATA WILL BE  
SUPPLIED WITH CERTIFIED DRAWINGS.

**SPARKLER FILTERS INC.**  
CONROE, TEXAS

**MCRO-DRY CAKE DISCHARGE  
DIMENSIONAL**

|       |         |          |        |          |        |
|-------|---------|----------|--------|----------|--------|
| DATE  | 1-24-96 | DRAWN BY | KEN    | DWG. NO. | F-4425 |
| SCALE |         | CKD. BY  | B.E.D. |          |        |

MCRO DIMENSIONAL DATA TO BE USED FOR DWG.# F-3953 & F-4425

| FILTER SIZE<br>NOM. (SQ. FT.) | TANK<br>SIZE | PLATE C/L<br>SPACING | PLATE<br>QTY. | AREA PER<br>PLATE (SQ. FT.) | ACTUAL GROSS<br>AREA (SQ. FT.) | CAKE CAP. 1/2"<br>CLEAR (CU. FT.) | TANK VOLUME<br>(U.S. GALS.) | EMPTY<br>WEIGHT | WEIGHT<br>FULL H2O | W    | X    | Y     | Z    |
|-------------------------------|--------------|----------------------|---------------|-----------------------------|--------------------------------|-----------------------------------|-----------------------------|-----------------|--------------------|------|------|-------|------|
| 100                           | 36"          | 4"                   | 12            | 8.3                         | 99.60                          | 12.44                             | 330                         | 3,200           | 5,950              | 81"  | 134" | 140"  | 146" |
| 100                           | 36"          | 5"                   | 12            | 8.3                         | 99.60                          | 16.60                             | 380                         | 3,405           | 6,570              | 92"  | 156" | 162"  | 168" |
| 150                           | 36"          | 4"                   | 18            | 8.3                         | 149.40                         | 18.67                             | 430                         | 3,900           | 7,480              | 105" | 182" | 188"  | 194" |
| 150                           | 36"          | 5"                   | 18            | 8.3                         | 149.40                         | 24.90                             | 505                         | 4,220           | 8,425              | 122" | 216" | 222"  | 228" |
| 150                           | 54"          | 4"                   | 7             | 21.0                        | 147.00                         | 18.37                             | 620                         | 5,000           | 10,160             | 70"  | 104" | 109"  | 116" |
| 150                           | 54"          | 5"                   | 7             | 21.0                        | 147.00                         | 24.50                             | 680                         | 5,270           | 10,835             | 76"  | 116" | 121"  | 128" |
| 200                           | 54"          | 4"                   | 10            | 21.0                        | 210.00                         | 26.25                             | 735                         | 5,600           | 11,720             | 82"  | 128" | 134"  | 140" |
| 200                           | 54"          | 5"                   | 10            | 21.0                        | 210.00                         | 35.00                             | 825                         | 5,860           | 12,730             | 91"  | 146" | 151"  | 158" |
| 250                           | 54"          | 4"                   | 12            | 21.0                        | 252.00                         | 31.50                             | 815                         | 6,000           | 12,790             | 90"  | 144" | 149"  | 156" |
| 250                           | 54"          | 5"                   | 12            | 21.0                        | 252.00                         | 42.00                             | 920                         | 6,315           | 13,980             | 101" | 166" | 171"  | 178" |
| 300                           | 54"          | 4"                   | 15            | 21.0                        | 315.00                         | 39.37                             | 930                         | 6,600           | 14,350             | 102" | 168" | 173"  | 180" |
| 300                           | 54"          | 5"                   | 15            | 21.0                        | 315.00                         | 52.48                             | 1,065                       | 7,000           | 15,870             | 116" | 196" | 201"  | 208" |
| 400                           | 54"          | 4"                   | 19            | 21.0                        | 399.00                         | 49.87                             | 1,090                       | 7,500           | 16,580             | 118" | 200" | 205"  | 212" |
| 400                           | 54"          | 5"                   | 19            | 21.0                        | 399.00                         | 66.47                             | 1,265                       | 8,000           | 18,535             | 136" | 236" | 241"  | 248" |
| 500                           | 54"          | 4"                   | 24            | 21.0                        | 504.00                         | 63.00                             | 1,285                       | 8,500           | 19,200             | 138" | 240" | 245"  | 252" |
| 500                           | 54"          | 5"                   | 24            | 21.0                        | 504.00                         | 83.96                             | 1,310                       | 9,200           | 20,110             | 161" | 286" | 291"  | 298" |
| 500                           | 60"          | 4"                   | 20            | 25.0                        | 500.00                         | 62.50                             | 1,445                       | 8,000           | 20,040             | 125" | 210" | 218"  | 225" |
| 500                           | 60"          | 5"                   | 20            | 25.0                        | 500.00                         | 83.30                             | 1,675                       | 8,600           | 22,550             | 144" | 248" | 256"  | 263" |
| 600                           | 54"          | 4"                   | 29            | 21.0                        | 609.00                         | 76.12                             | 1,480                       | 9,600           | 21,930             | 158" | 280" | 285"  | 292" |
| 600                           | 54"          | 5"                   | 29            | 21.0                        | 609.00                         | 101.45                            | 1,750                       | 10,400          | 24,980             | 186" | 336" | 341"  | 348" |
| 600                           | 60"          | 4"                   | 24            | 25.0                        | 600.00                         | 75.00                             | 1,635                       | 8,800           | 22,420             | 141" | 242" | 250"  | 257" |
| 600                           | 60"          | 5"                   | 24            | 25.0                        | 600.00                         | 99.96                             | 1,910                       | 9,500           | 25,410             | 164" | 288" | 296"  | 303" |
| 700                           | 60"          | 4"                   | 28            | 25.0                        | 700.00                         | 87.50                             | 1,830                       | 9,500           | 24,740             | 157" | 274" | 282"  | 289" |
| 700                           | 60"          | 5"                   | 28            | 25.0                        | 700.00                         | 116.62                            | 2,155                       | 10,400          | 28,350             | 184" | 328" | 336"  | 343" |
| 800                           | 60"          | 4"                   | 32            | 25.0                        | 800.00                         | 100.00                            | 2,020                       | 10,900          | 27,730             | 173" | 306" | 314"  | 321" |
| 800                           | 60"          | 5"                   | 32            | 25.0                        | 800.00                         | 133.28                            | 2,395                       | 11,900          | 31,850             | 204" | 368" | 376"  | 383" |
| 800                           | 72"          | 4"                   | 22            | 37.0                        | 814.00                         | 101.75                            | 2,300                       | 12,500          | 31,660             | 140" | 234" | 239"  | 246" |
| 800                           | 72"          | 5"                   | 22            | 37.0                        | 814.00                         | 135.61                            | 2,665                       | 13,400          | 35,600             | 161" | 276" | 281"  | 288" |
| 900                           | 60"          | 4"                   | 36            | 25.0                        | 900.00                         | 112.50                            | 2,215                       | 11,700          | 30,150             | 189" | 338" | 346"  | 353" |
| 900                           | 60"          | 5"                   | 36            | 25.0                        | 900.00                         | 149.94                            | 2,635                       | 12,800          | 34,750             | 224" | 408" | 416"  | 423" |
| 900                           | 72"          | 4"                   | 25            | 37.0                        | 925.00                         | 115.62                            | 2,505                       | 13,400          | 34,270             | 152" | 258" | 263"  | 270" |
| 900                           | 72"          | 5"                   | 25            | 37.0                        | 925.00                         | 154.10                            | 2,925                       | 14,400          | 38,765             | 176" | 306" | 311"  | 318" |
| 1000                          | 60"          | 4"                   | 40            | 25.0                        | 1,000.00                       | 125.00                            | 2,405                       | 12,500          | 32,530             | 205" | 370" | 378"  | 385" |
| 1000                          | 60"          | 5"                   | 40            | 25.0                        | 1,000.00                       | 166.60                            | 2,875                       | 13,800          | 37,750             | 244" | 448" | 456"  | 463" |
| 1000                          | 72"          | 4"                   | 27            | 37.0                        | 999.00                         | 124.87                            | 2,645                       | 13,900          | 35,930             | 160" | 274" | 2798" | 286" |
| 1000                          | 72"          | 5"                   | 27            | 37.0                        | 999.00                         | 165.80                            | 3,095                       | 15,000          | 40,780             | 186" | 326" | 331"  | 338" |
| 1100                          | 72"          | 4"                   | 30            | 37.0                        | 1,110.00                       | 138.75                            | 2,855                       | 14,700          | 38,480             | 172" | 298" | 203"  | 210" |
| 1100                          | 72"          | 5"                   | 30            | 37.0                        | 1,110.00                       | 184.92                            | 3,360                       | 15,900          | 43,890             | 201" | 356" | 361"  | 368" |
| 1200                          | 72"          | 4"                   | 33            | 37.0                        | 1,221.00                       | 152.62                            | 3,065                       | 16,200          | 41,730             | 184" | 322" | 327"  | 334" |
| 1200                          | 72"          | 5"                   | 33            | 37.0                        | 1,221.00                       | 203.41                            | 3,620                       | 17,500          | 47,655             | 211" | 376" | 381"  | 388" |
| 1300                          | 72"          | 4"                   | 35            | 37.0                        | 1,295.00                       | 161.87                            | 3,200                       | 16,800          | 43,460             | 192" | 338" | 341"  | 348" |
| 1300                          | 72"          | 5"                   | 35            | 37.0                        | 1,295.00                       | 215.74                            | 3,790                       | 18,200          | 49,770             | 226" | 406" | 411"  | 418" |
| 1400                          | 72"          | 4"                   | 38            | 37.0                        | 1,406.00                       | 175.75                            | 3,410                       | 17,600          | 46,000             | 204" | 362" | 367"  | 374" |
| 1400                          | 72"          | 5"                   | 38            | 37.0                        | 1,406.00                       | 234.23                            | 4,055                       | 19,100          | 52,880             | 241" | 436" | 441"  | 448" |
| 1500                          | 72"          | 4"                   | 41            | 37.0                        | 1,517.00                       | 189.62                            | 3,620                       | 18,400          | 48,550             | 216" | 386" | 391"  | 398" |
| 1500                          | 72"          | 5"                   | 41            | 37.0                        | 1,517.00                       | 252.73                            | 4,315                       | 20,00           | 56,045             | 256" | 466" | 471"  | 478" |
| 1600                          | 72"          | 4"                   | 44            | 37.0                        | 1,628.00                       | 203.50                            | 3,830                       | 19,200          | 51,100             | 228" | 410" | 415"  | 422" |
| 1600                          | 72"          | 5"                   | 44            | 37.0                        | 1,628.00                       | 271.22                            | 4,575                       | 21,000          | 59,110             | 271" | 496" | 501"  | 508" |
| 1700                          | 72"          | 4"                   | 46            | 37.0                        | 1,702.00                       | 212.75                            | 3,965                       | 19,800          | 52,830             | 236" | 426" | 431"  | 438" |
| 1700                          | 72"          | 5"                   | 46            | 37.0                        | 1,702.00                       | 283.55                            | 4,745                       | 21,700          | 61,225             | 281" | 516" | 521"  | 528" |
| 1800                          | 72"          | 4"                   | 49            | 37.0                        | 1,813.00                       | 226.62                            | 4,175                       | 20,600          | 55,380             | 248" | 450" | 455"  | 462" |
| 1800                          | 72"          | 5"                   | 49            | 37.0                        | 1,813.00                       | 302.00                            | 5,010                       | 22,600          | 64,335             | 296" | 546" | 551"  | 558" |
| 1900                          | 72"          | 4"                   | 52            | 37.0                        | 1,924.00                       | 240.50                            | 4,385                       | 21,400          | 57,930             | 260" | 474" | 479"  | 486" |
| 1900                          | 72"          | 5"                   | 52            | 37.0                        | 1,924.00                       | 320.53                            | 5,270                       | 23,500          | 67,400             | 311" | 576" | 581"  | 588" |
| 2000                          | 72"          | 4"                   | 54            | 37.0                        | 1,998.00                       | 249.75                            | 4,525                       | 21,900          | 59,600             | 268" | 490" | 495"  | 502" |
| 2000                          | 72"          | 5"                   | 54            | 37.0                        | 1,998.00                       | 332.86                            | 5,445                       | 24,100          | 69,455             | 321" | 596" | 601"  | 608" |