



# Straightening Vanes

## Carbon Steel

| Dimensional Data |              |                 |                      |                    |                     |           |              |                            |                 |            |                   |
|------------------|--------------|-----------------|----------------------|--------------------|---------------------|-----------|--------------|----------------------------|-----------------|------------|-------------------|
| Line Size (in.)  | Type of Vane | Line I.D. (in.) | Length of Vane (in.) | O.D. of Vane (in.) | O.D. of Tubes (in.) | Tube W.T. | No. of Tubes | Line Model                 | Approx. Weights |            | Flange O.D. (in.) |
|                  |              |                 |                      |                    |                     |           |              | No. & Size of Screws (in.) | Flange Model    | Line Model |                   |
|                  |              |                 | A                    | B                  | D                   | E         |              |                            | Lbs.            | Lbs.       | C                 |
| 2                | II           | 2.067           | 6                    | 1 27/32            | 3/8                 | 0.049     | 19           | 1 3/8 x 3/4                | 3               | 2          | 3 5/8             |
| 2                | II           | 1.939           | 6                    | 1 27/32            | 3/8                 | 0.049     | 19           | 1 3/8 x 3/4                | 3               | 2          | 3 5/8             |
| 3                | III          | 3.068           | 8                    | 2 13/16            | 9/16                | 0.049     | 19           | 1 3/8 x 3/4                | 4               | 3          | 5                 |
| 3                | II           | 2.900           | 8                    | 2 3/4              | 9/16                | 0.049     | 19           | 1 3/8 x 3/4                | 4               | 3          | 5                 |
| 4                | III          | 4.026           | 10                   | 3 3/4              | 3/4                 | 0.049     | 19           | 1 3/8 x 3/4                | 8               | 7          | 6 3/16            |
| 4                | II           | 3.826           | 10                   | 3 21/32            | 3/4                 | 0.049     | 19           | 1 3/8 x 1                  | 8               | 7          | 6 3/16            |
| 5                | II           | 5.047           | 12                   | 4 27/32            | 1                   | 0.049     | 19           | 1 1/2 x 1                  | 11              | 9          | 7 5/16            |
| 6                | III          | 6.065           | 12                   | 5 5/8              | 1 1/8               | 0.049     | 19           | 1 1/2 x 1                  | 21              | 19         | 8 1/2             |
| 6                | II           | 5.761           | 12                   | 5 1/2              | 1 1/8               | 0.049     | 19           | 1 1/2 x 1                  | 21              | 19         | 8 1/2             |
| 8                | II           | 7.625           | 16                   | 7 5/16             | 1 1/2               | 0.065     | 19           | 1 1/2 x 1                  | 37              | 35         | 10 5/8            |
| 8                | II           | 7.981           | 16                   | 7 29/32            | 1 5/8               | 0.065     | 19           | 1 1/2 x 1                  | 37              | 35         | 10 5/8            |
| 10               | II           | 10.136          | 20                   | 9 3/4              | 2                   | 0.065     | 19           | 1 1/2 x 1                  | 57              | 54         | 12 3/4            |
| 10               | II           | 10.020          | 20                   | 9 3/4              | 2                   | 0.065     | 19           | 1 1/2 x 1                  | 57              | 54         | 12 3/4            |
| 12               | III          | 12.090          | 24                   | 11 7/8             | 2 3/8               | 0.083     | 19           | 2 1/2 x 1 1/4              | 81              | 77         | 15                |
| 12               | III          | 11.374          | 24                   | 10                 | 2                   | 0.083     | 19           | 2 1/2 x 1 1/4              | 81              | 77         | 15                |
| 12               | II           | 11.938          | 24                   | 11 9/16            | 2 3/8               | 0.083     | 19           | 2 1/2 x 1 1/4              | 81              | 77         | 15                |
| 14               | III          | 13.250          | 28                   | 12 1/2             | 2 1/2               | 0.120     | 19           | 2 1/2 x 1 1/4              | 105             | 100        | 16 1/4            |
| 14               | III          | 13.000          | 28                   | 12 1/2             | 2 1/2               | 0.120     | 19           | 2 1/2 x 1 1/4              | 105             | 100        | 16 1/4            |
| 16               | III          | 15.250          | 32                   | 15                 | 3                   | 0.188     | 19           | 2 1/2 x 1 1/4              | 274             | 268        | 18 1/2            |
| 16               | II           | 15.000          | 32                   | 14 19/32           | 3                   | 0.188     | 19           | 2 1/2 x 1 1/4              | 274             | 268        | 18 1/2            |
| 18               | II           | 17.25           | 36                   | 17 1/16            | 3 1/2               | 0.188     | 19           | 2 1/2 x 1 1/4              | 386             | 378        | 21                |
| 20               | III          | 19.250          | 40                   | 18 1/8             | 3 5/8               | 0.250     | 19           | 2 1/2 x 1 1/4              | 477             | 468        | 23                |
| 24               | III          | 23.250          | 48                   | 22 1/2             | 4 1/2               | 0.250     | 19           | 2 1/2 x 1 1/2              | 704             | 693        | 27 1/4            |
| 26               | III          | 25.250          | 52                   | 25                 | 5                   | 0.188     | 19           | 2 1/2 x 1 1/2              | 814             | 796        | 29 1/2            |
| 30               | III          | 29.250          | 60                   | 27 1/2             | 5 1/2               | 0.188     | 19           | 2 1/2 x 1 1/2              | 1295            | 1273       | 33 3/4            |
| 34               | II           | 33.250          | 68                   | 32 13/16           | 6 3/4               | 0.250     | 19           | 2 1/2 x 1 1/2              | 1880            | 1860       | 38                |
| 36               | III          | 35.250          | 72                   | 33 3/4             | 6 3/4               | 0.250     | 19           | 2 1/2 x 1 1/2              | 1582            | 1559       | 40 1/4            |