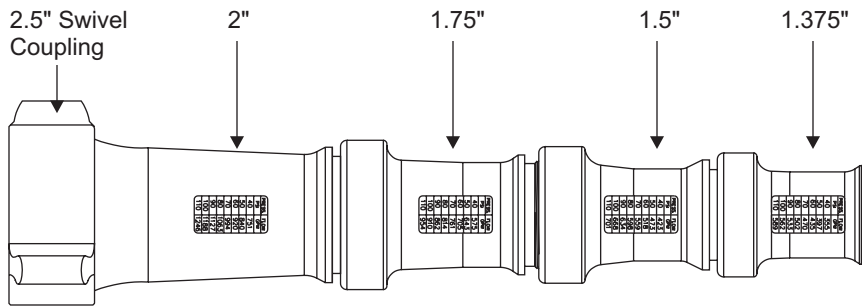


# MST-4NJ FLOW & REACTION CHARTS



Stacked Tip Model MST-4NJ

## English Units

| Nozzle Diameter (inches) | Nozzle Pressure (PSI) |              |          |              |          |              |          |              |
|--------------------------|-----------------------|--------------|----------|--------------|----------|--------------|----------|--------------|
|                          | 40                    |              | 60       |              | 80       |              | 100      |              |
|                          | Flow GPM              | Reaction lbf | Flow GPM | Reaction lbf | Flow GPM | Reaction lbf | Flow GPM | Reaction lbf |
| 1.375                    | 360                   | 120          | 440      | 180          | 500      | 240          | 560      | 300          |
| 1.50                     | 420                   | 140          | 520      | 210          | 600      | 280          | 670      | 350          |
| 1.75                     | 580                   | 190          | 700      | 290          | 810      | 380          | 910      | 480          |
| 2.00                     | 750                   | 250          | 920      | 380          | 1060     | 500          | 1190     | 630          |

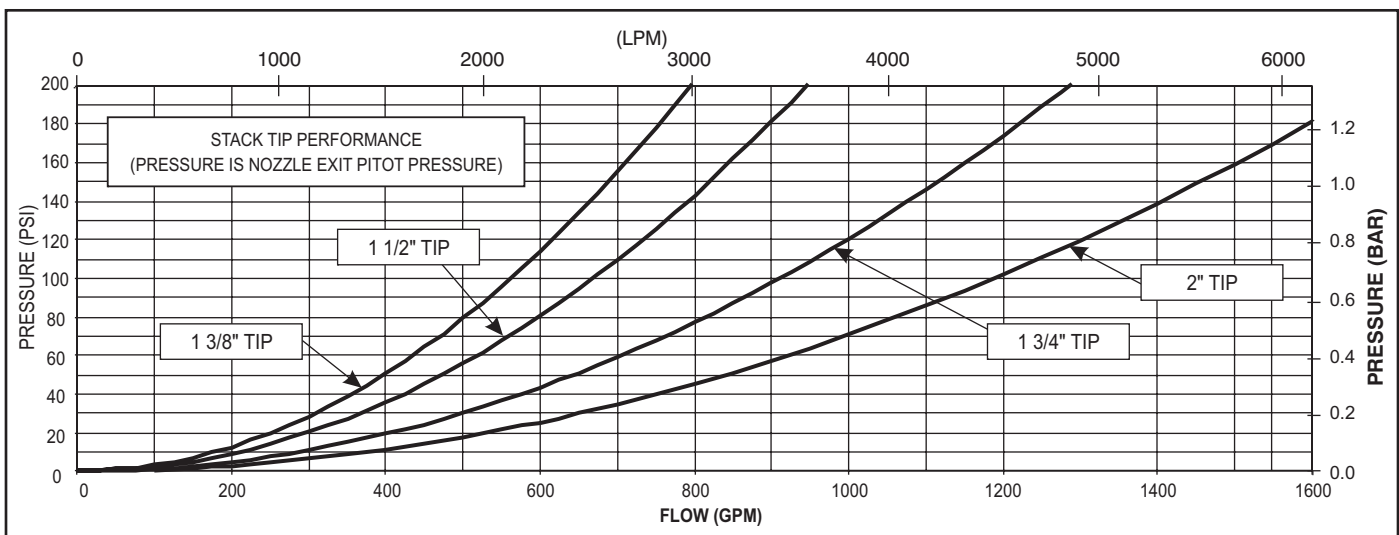
1 bar = 14.5 psi  
1 gal = 3.785 l/min

## Metric Units

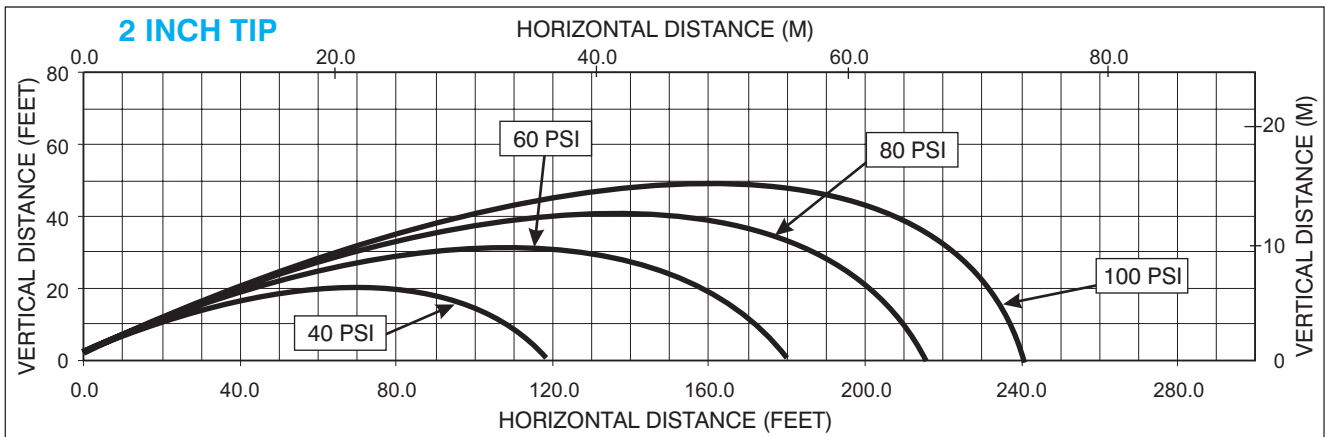
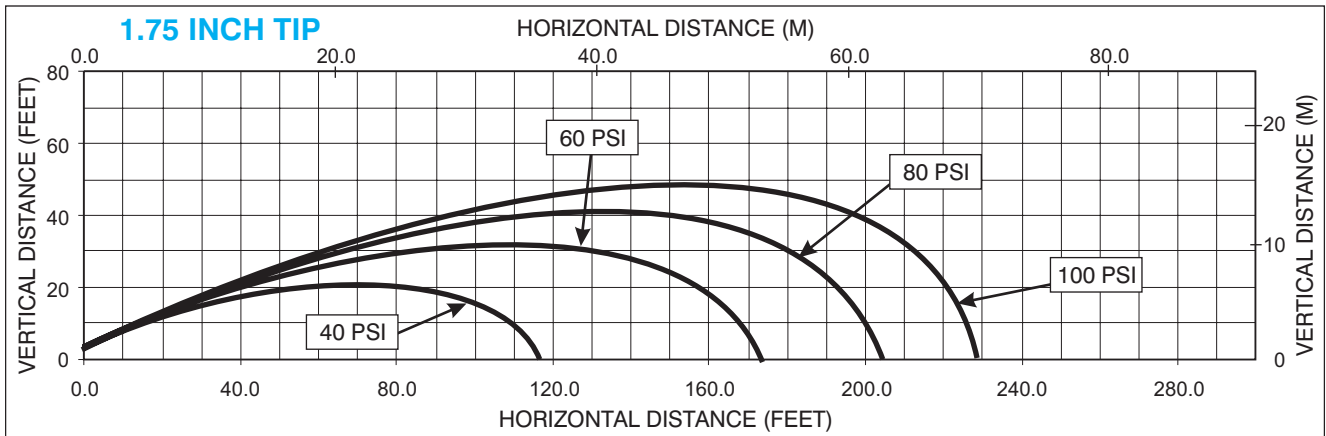
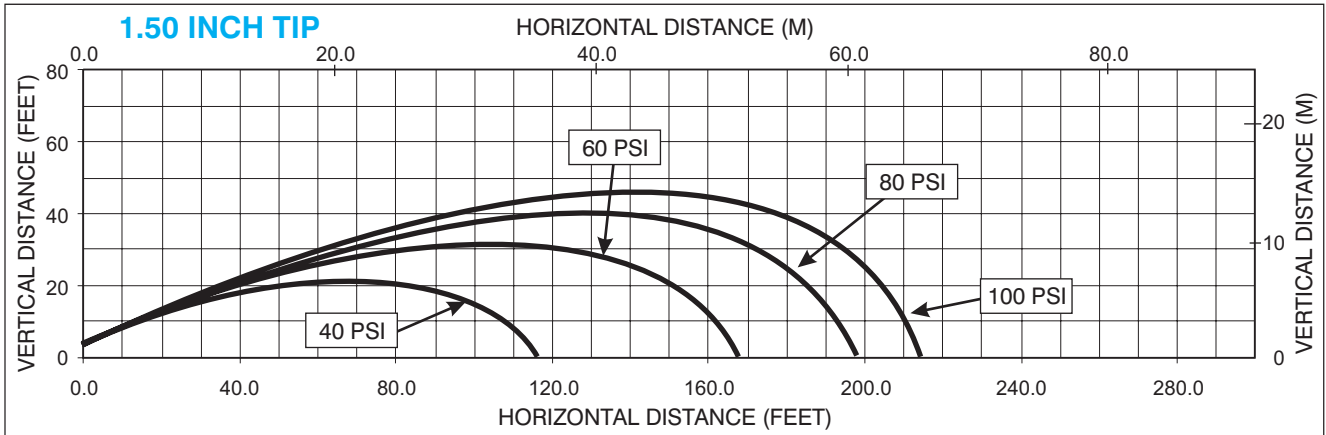
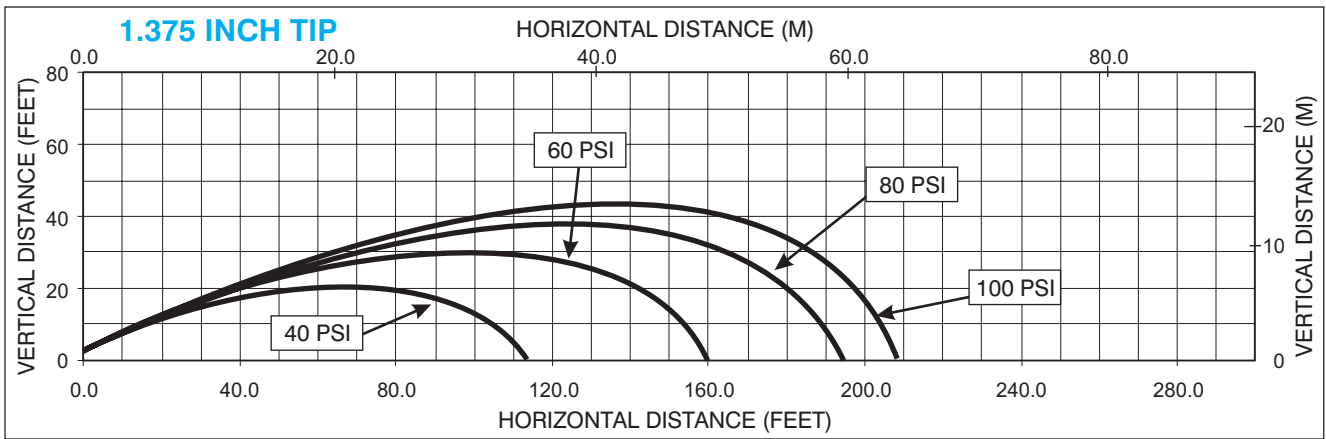
| Nozzle Diameter (MM) | Nozzle Pressure (BAR) |             |            |             |            |             |            |             |
|----------------------|-----------------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|                      | 2.8                   |             | 4.1        |             | 5.5        |             | 7          |             |
|                      | Flow l/min            | Reaction kg | Flow l/min | Reaction kg | Flow l/min | Reaction kg | Flow l/min | Reaction kg |
| 35                   | 1360                  | 50          | 1670       | 80          | 1890       | 110         | 2120       | 140         |
| 38                   | 1590                  | 60          | 1970       | 100         | 2270       | 130         | 2540       | 160         |
| 45                   | 2200                  | 90          | 2650       | 130         | 3070       | 170         | 3440       | 220         |
| 50                   | 2840                  | 110         | 3480       | 170         | 4010       | 230         | 4500       | 290         |

1 bar = 14.5 psi  
1 gal = 3.785 l/min

Stacked Tip Model MST-4NJ Flow Table

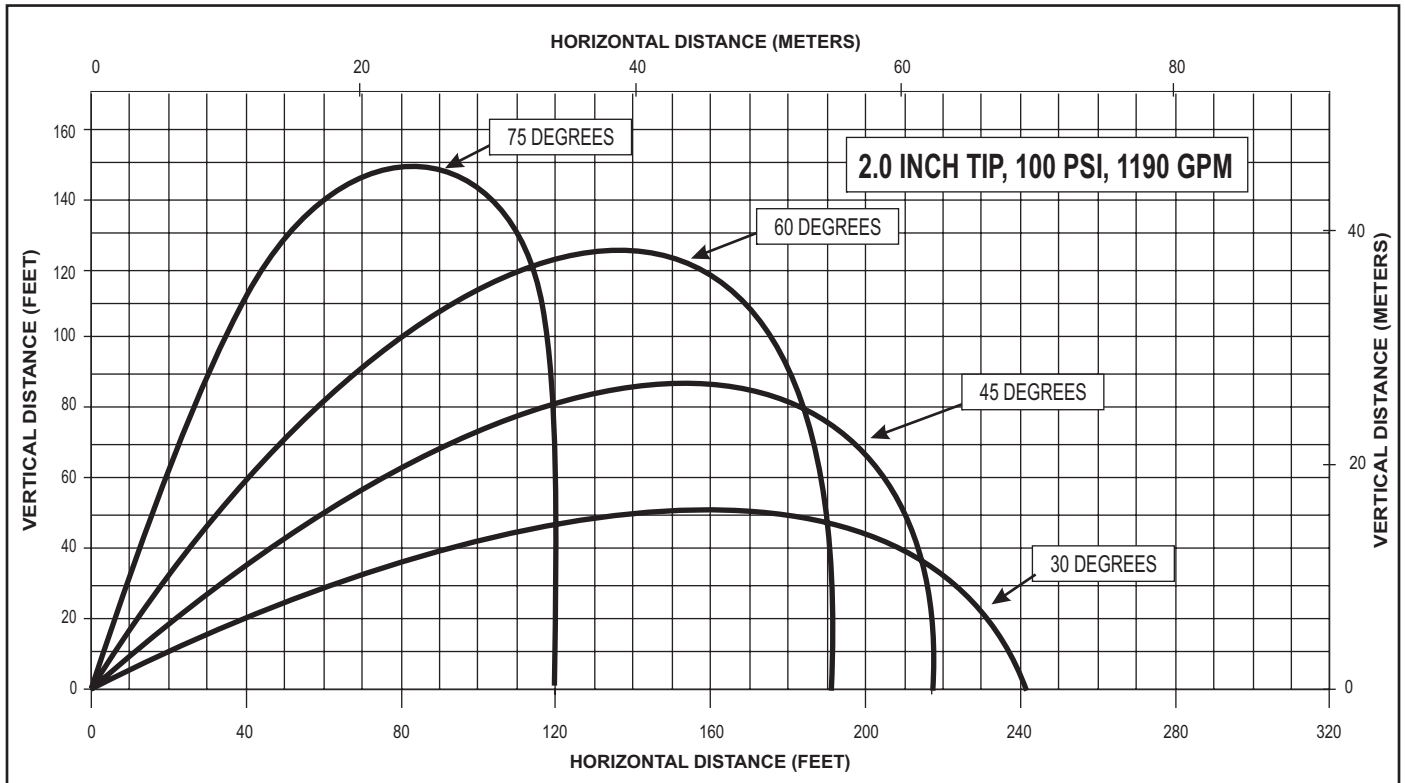


Stacked Tip Model MST-4NJ Flow Graph



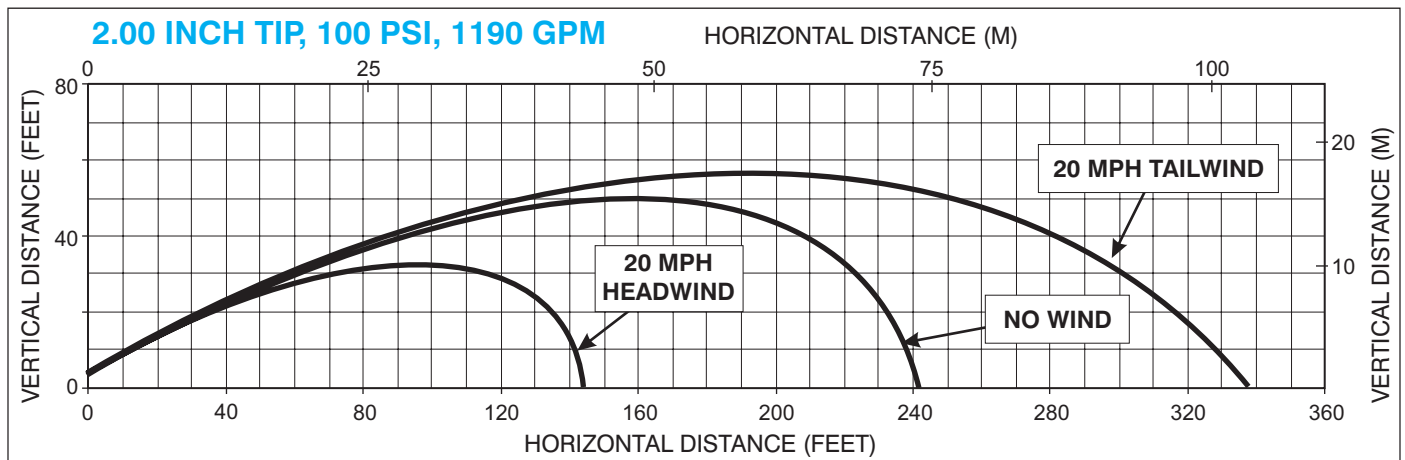
Stacked Tips Model MST-4NJ Stream Trajectory Graphs

## Effects Of Elevation Of Trajectory



**This graph is approximate only.  
Critical applications should be tested in actual conditions to verify adequate reach.**

## Effects Of Wind On Reach



**This graph shows approximately how a moderate wind can affect stream reach.  
1 ft = 0.3048 m**