

**SIME VARIANT - NOZZLES 16 to 30 mm.**

| Diameter | Pressure |     | Jet length |      | Capacity |        | Values for a single sprinkler |                   | Rectangular pattern of irrigators       |                |                   | Triangular pattern          |   |                |                   |
|----------|----------|-----|------------|------|----------|--------|-------------------------------|-------------------|---|----------------|-------------------|-----------------------------|---|----------------|-------------------|
|          |          |     |            |      |          |        | Irrigated area                | Rainfall per hour | Distance between 2 continuous pipelines | Irrigated area | Rainfall per hour | Distance between sprinklers | Distance between 2 continuous pipelines | Irrigated area | Rainfall per hour |
|          |          |     |            |      |          |        |                               |                   |   |                |                   |                             |   |                |                   |
| mm       | bar      | psi | m          | feet | l/min    | cu.m/h | m                             | mm/h              | m                                       | m              | mm/h              | m                           | m                                       | sq.m           | mm/h              |
| 30       | 3        | 44  | 48         | 157  | 974      | 58.4   | 7234                          | 8.1               | 86                                      | 4128           | 14.2              | 83                          | 72                                      | 5976           | 9.8               |
|          | 4        | 56  | 52         | 170  | 1127     | 67.6   | 8490                          | 7.9               | 93                                      | 4836           | 13.9              | 90                          | 78                                      | 7020           | 9.6               |
|          | 5        | 70  | 56         | 184  | 1260     | 75.6   | 9847                          | 7.7               | 100                                     | 5600           | 13.5              | 96                          | 84                                      | 8064           | 9.4               |
|          | 6        | 85  | 60         | 196  | 1381     | 82.8   | 11304                         | 7.4               | 108                                     | 6480           | 12.8              | 103                         | 90                                      | 9270           | 8.9               |
| 32       | 4        | 56  | 54         | 177  | 1282     | 76.9   | 9156                          | 8.4               | 97                                      | 5238           | 14.7              | 93                          | 81                                      | 7533           | 10.2              |
|          | 5        | 70  | 58         | 190  | 1433     | 85.9   | 10562                         | 8.1               | 104                                     | 6032           | 14.3              | 100                         | 87                                      | 8700           | 9.9               |
|          | 6        | 85  | 62         | 202  | 1570     | 94.2   | 12070                         | 7.8               | 111                                     | 6882           | 13.7              | 107                         | 93                                      | 9951           | 9.5               |
|          | 7        | 100 | 66         | 217  | 1694     | 101.6  | 13677                         | 7.4               | 118                                     | 7788           | 13.1              | 114                         | 99                                      | 11286          | 9                 |
| 34       | 5        | 70  | 59         | 192  | 1619     | 97.1   | 10930                         | 8.9               | 106                                     | 6254           | 15.5              | 102                         | 88                                      | 8976           | 10.8              |
|          | 6        | 85  | 64         | 210  | 1774     | 106.4  | 12861                         | 8.3               | 115                                     | 7360           | 14.5              | 110                         | 96                                      | 10560          | 10.1              |
|          | 7        | 100 | 68         | 223  | 1913     | 114.8  | 14519                         | 7.9               | 122                                     | 8296           | 13.8              | 117                         | 102                                     | 11934          | 9.6               |
|          | 8        | 115 | 72         | 236  | 2048     | 122.8  | 16277                         | 7.5               | 129                                     | 9288           | 13.2              | 124                         | 108                                     | 13392          | 9.2               |
| 36       | 5        | 70  | 61         | 199  | 1814     | 108.8  | 11683                         | 9.3               | 109                                     | 6649           | 16.3              | 105                         | 91                                      | 9555           | 11.4              |
|          | 6        | 85  | 66         | 217  | 1988     | 119.3  | 13677                         | 8.7               | 118                                     | 7788           | 15.3              | 114                         | 99                                      | 11286          | 10.6              |
|          | 7        | 100 | 70         | 229  | 2144     | 128.6  | 15386                         | 8.4               | 126                                     | 8820           | 14.6              | 121                         | 105                                     | 12705          | 10.1              |
|          | 8        | 115 | 74         | 242  | 2295     | 137.7  | 17194                         | 8                 | 133                                     | 9842           | 14                | 128                         | 111                                     | 14208          | 9.7               |
| 38       | 5        | 70  | 63         | 206  | 2022     | 121.3  | 12462                         | 9.7               | 113                                     | 7119           | 17                | 108                         | 94                                      | 10152          | 12                |
|          | 6        | 85  | 68         | 223  | 2216     | 132.9  | 14519                         | 9.2               | 122                                     | 8296           | 16                | 117                         | 102                                     | 11934          | 11.2              |
|          | 7        | 100 | 72         | 236  | 2390     | 143.4  | 16277                         | 8.8               | 129                                     | 9288           | 15.4              | 124                         | 108                                     | 13392          | 10.7              |
|          | 8        | 115 | 76         | 249  | 2558     | 153.5  | 18136                         | 8.5               | 136                                     | 10336          | 14.8              | 131                         | 114                                     | 14934          | 10.3              |
| 40       | 5        | 70  | 65         | 213  | 2240     | 134.4  | 13266                         | 10.1              | 117                                     | 7605           | 17.7              | 112                         | 97                                      | 10864          | 12.4              |
|          | 6        | 85  | 69         | 226  | 2455     | 147.3  | 14949                         | 9.9               | 124                                     | 8556           | 17.2              | 119                         | 103                                     | 12257          | 12                |
|          | 7        | 100 | 73         | 239  | 2648     | 158.9  | 16733                         | 9.5               | 131                                     | 9563           | 16.6              | 126                         | 109                                     | 13734          | 11.6              |
|          | 8        | 115 | 78         | 255  | 2834     | 170    | 19103                         | 8.9               | 140                                     | 10920          | 15.6              | 134                         | 117                                     | 15678          | 10.8              |



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