



# Ugelli con getto rettilineo

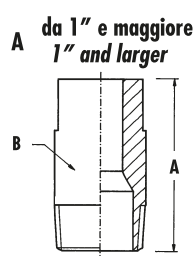
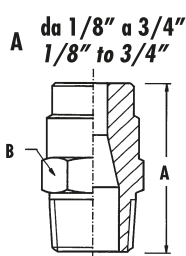
## Solid stream spray nozzles

A - AC - AZ - 0°

Tabella delle portate - Capacity chart

| Ugello - Nozzle                            |              |                | Orifizio<br>Orifice<br>Ø Nom. mm | Pressione - Pressure (Bar) |        |        |        |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------------------------------------------|--------------|----------------|----------------------------------|----------------------------|--------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Attacco maschio<br>Male pipe<br>connection | Tipo<br>Type | Codice<br>Code |                                  | 0,3                        | 0,7    | 1      | 1,5    | 2        | 2,5      | 3        | 4        | 5        | 6        | 7        | 8        | 10       | 15       | 20       | 30       | 35       |
| Portata - Capacity (l/min)                 |              |                |                                  |                            |        |        |        |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 1/8"<br>1/4"                               | A - AC - AZ  | 2              | 0,97                             | 0,25                       | 0,38   | 0,46   | 0,56   | 0,64     | 0,72     | 0,79     | 0,91     | 1,02     | 1,12     | 1,21     | 1,29     | 1,44     | 1,77     | 2,04     | 2,50     | 2,70     |
|                                            |              | 2,5            | 1,09                             | 0,31                       | 0,48   | 0,57   | 0,70   | 0,81     | 0,90     | 0,99     | 1,14     | 1,27     | 1,40     | 1,51     | 1,61     | 1,80     | 2,21     | 2,55     | 3,12     | 3,32     |
|                                            |              | 3              | 1,19                             | 0,37                       | 0,57   | 0,68   | 0,84   | 0,97     | 1,08     | 1,18     | 1,37     | 1,53     | 1,67     | 1,81     | 1,93     | 2,16     | 2,65     | 3,06     | 3,75     | 4,05     |
|                                            |              | 4              | 1,30                             | 0,50                       | 0,76   | 0,91   | 1,12   | 1,29     | 1,44     | 1,58     | 1,82     | 2,04     | 2,23     | 2,41     | 2,58     | 2,88     | 3,53     | 4,08     | 4,99     | 5,39     |
|                                            |              | 5              | 1,45                             | 0,62                       | 0,95   | 1,14   | 1,40   | 1,61     | 1,80     | 1,97     | 2,28     | 2,55     | 2,79     | 3,02     | 3,22     | 3,60     | 4,41     | 5,10     | 6,24     | 6,74     |
|                                            |              | 6              | 1,59                             | 0,75                       | 1,14   | 1,37   | 1,67   | 1,93     | 2,16     | 2,37     | 2,74     | 3,06     | 3,35     | 3,62     | 3,87     | 4,32     | 5,30     | 6,12     | 7,49     | 8,09     |
|                                            |              | 8              | 1,83                             | 1,00                       | 1,53   | 1,82   | 2,23   | 2,58     | 2,88     | 3,16     | 3,65     | 4,08     | 4,47     | 4,82     | 5,16     | 5,77     | 7,06     | 8,15     | 9,99     | 10,79    |
|                                            |              | 9              | 1,88                             | 1,12                       | 1,72   | 2,05   | 2,51   | 2,90     | 3,24     | 3,55     | 4,10     | 4,59     | 5,02     | 5,43     | 5,80     | 6,49     | 7,95     | 9,17     | 11,24    | 12,14    |
|                                            |              | 10             | 1,98                             | 1,25                       | 1,91   | 2,28   | 2,79   | 3,22     | 3,60     | 3,95     | 4,56     | 5,10     | 5,58     | 6,03     | 6,45     | 7,21     | 8,83     | 10,19    | 12,48    | 13,48    |
|                                            |              | 12,5           | 2,22                             | 1,56                       | 2,38   | 2,85   | 3,49   | 4,03     | 4,51     | 4,93     | 5,70     | 6,37     | 6,98     | 7,54     | 8,06     | 9,01     | 11,03    | 12,74    | 15,61    | 16,86    |
|                                            |              | 15             | 2,38                             | 1,87                       | 2,86   | 3,42   | 4,19   | 4,84     | 5,41     | 5,92     | 6,84     | 7,65     | 8,37     | 9,05     | 9,67     | 10,81    | 13,24    | 15,29    | 18,73    | 20,23    |
|                                            |              | 17,5           | 2,63                             | 2,18                       | 3,34   | 3,99   | 4,89   | 5,64     | 6,31     | 6,91     | 7,98     | 8,92     | 9,77     | 10,55    | 11,28    | 12,61    | 15,45    | 17,84    | 21,85    | 23,60    |
|                                            |              | 20             | 2,78                             | 2,50                       | 3,81   | 4,56   | 5,58   | 6,45     | 7,21     | 7,90     | 9,12     | 10,19    | 11,17    | 12,06    | 12,89    | 14,42    | 17,66    | 20,39    | 24,97    | 26,97    |
|                                            |              | 25             | 3,18                             | 3,12                       | 4,77   | 5,70   | 6,98   | 8,06     | 9,01     | 9,87     | 11,40    | 12,74    | 13,96    | 15,08    | 16,12    | 18,02    | 22,07    | 25,48    | 31,21    | 33,71    |
|                                            |              | 30             | 3,57                             | 3,75                       | 5,72   | 6,84   | 8,37   | 9,67     | 10,81    | 11,84    | 13,68    | 15,29    | 16,75    | 18,09    | 19,34    | 21,62    | 26,48    | 30,58    | 37,45    | 40,45    |
|                                            |              | 35             | 3,78                             | 4,37                       | 6,67   | 7,98   | 9,77   | 11,28    | 12,61    | 13,82    | 15,96    | 17,84    | 19,54    | 21,11    | 22,56    | 25,23    | 30,90    | 35,68    | 43,70    | 47,20    |
|                                            |              | 40             | 3,97                             | 4,99                       | 7,63   | 9,12   | 11,17  | 12,89    | 14,42    | 15,79    | 18,24    | 20,39    | 22,33    | 24,12    | 25,79    | 28,83    | 35,31    | 40,77    | 49,94    | 53,94    |
| 1/4"<br>3/8"                               | A - AC - AZ  | 50             | 4,37                             | 6,24                       | 9,54   | 11,40  | 13,96  | 16,12    | 18,02    | 19,74    | 22,79    | 25,48    | 27,92    | 30,15    | 32,24    | 36,04    | 44,14    | 50,97    | 62,42    | 67,42    |
|                                            |              | 60             | 4,76                             | 7,49                       | 11,44  | 13,68  | 16,75  | 19,34    | 21,62    | 23,69    | 27,35    | 30,58    | 33,50    | 36,18    | 38,68    | 43,25    | 52,97    | 61,16    | 74,91    | 80,91    |
|                                            |              | 70             | 5,16                             | 8,74                       | 13,35  | 15,96  | 19,54  | 22,56    | 25,23    | 27,64    | 31,91    | 35,68    | 39,08    | 42,21    | 45,13    | 50,46    | 61,80    | 71,36    | 87,39    | 94,39    |
|                                            |              | 80             | 5,56                             | 9,99                       | 15,26  | 18,24  | 22,33  | 25,79    | 28,83    | 31,58    | 36,47    | 40,77    | 44,67    | 48,25    | 51,58    | 57,66    | 70,62    | 81,55    | 99,88    | 107,88   |
| 3/8"<br>1/2"                               | A - AC - AZ  | 90             | 5,80                             | 11,24                      | 17,16  | 20,51  | 25,12  | 29,01    | 32,44    | 35,53    | 41,03    | 45,87    | 50,25    | 54,28    | 58,02    | 64,87    | 79,45    | 91,74    | 112,36   | 121,36   |
|                                            |              | 100            | 5,95                             | 12,48                      | 19,07  | 22,79  | 27,92  | 32,24    | 36,04    | 39,48    | 45,59    | 50,97    | 55,83    | 60,31    | 64,47    | 72,08    | 88,28    | 101,94   | 124,85   | 134,85   |
|                                            |              | 120            | 6,35                             | 14,98                      | 22,88  | 27,35  | 33,50  | 38,68    | 43,25    | 47,38    | 54,71    | 61,16    | 67,00    | 72,37    | 77,36    | 86,50    | 105,94   | 122,32   | 149,82   | 161,82   |
|                                            |              | 150            | 7,54                             | 18,73                      | 28,61  | 34,19  | 41,87  | 48,35    | 54,06    | 59,22    | 68,38    | 76,45    | 83,75    | 90,46    | 96,71    | 108,12   | 132,42   | 152,91   | 187,27   | 202,27   |
|                                            |              | 200            | 8,33                             | 24,97                      | 38,14  | 45,59  | 55,83  | 64,47    | 72,08    | 78,96    | 91,18    | 101,94   | 111,67   | 120,61   | 128,94   | 144,16   | 176,56   | 203,87   | 249,69   | 269,70   |
|                                            |              | 250            | 9,53                             | 31,21                      | 47,68  | 56,98  | 69,79  | 80,59    | 90,10    | 98,70    | 113,97   | 127,42   | 139,58   | 150,77   | 161,18   | 180,20   | 220,70   | 254,84   | 312,12   | 337,12   |
| 3/4"                                       | A - AC - AZ  | 350            | 11,11                            | 43,70                      | 66,75  | 79,78  | 97,71  | 112,82   | 126,14   | 138,18   | 159,56   | 178,39   | 195,42   | 211,07   | 225,65   | 252,28   | 308,98   | 356,78   | 436,96   | 471,97   |
|                                            |              | 700            | 15,48                            | 87,39                      | 133,49 | 159,56 | 195,42 | 225,65   | 252,28   | 276,36   | 319,11   | 356,78   | 390,83   | 422,15   | 451,29   | 504,56   | 617,96   | 713,56   | 873,93   | 943,95   |
| 1"                                         | A - AC - AZ  | 1000           | 19,05                            | 124,85                     | 190,71 | 227,94 | 279,17 | 322,35   | 360,40   | 394,80   | 455,88   | 509,68   | 558,33   | 603,07   | 644,70   | 720,80   | 882,80   | 1,019,37 | 1,248,47 | 1,348,50 |
|                                            |              | 1100           | 19,84                            | 137,33                     | 209,78 | 250,73 | 307,08 | 354,59   | 396,44   | 434,28   | 501,46   | 560,65   | 614,16   | 663,37   | 709,18   | 792,88   | 971,08   | 1,121,30 | 1,373,31 | 1,483,35 |
| 1 1/4"                                     | A - AC - AZ  | 1400           | 22,23                            | 174,79                     | 266,99 | 319,11 | 390,83 | 451,29   | 504,56   | 552,72   | 638,23   | 713,56   | 781,66   | 844,29   | 902,59   | 1,009,12 | 1,235,92 | 1,427,11 | 1,747,85 | 1,887,90 |
|                                            |              | 1800           | 25,40                            | 224,72                     | 343,27 | 410,29 | 502,50 | 580,23   | 648,72   | 710,64   | 820,58   | 917,43   | 1,005,00 | 1,085,52 | 1,160,47 | 1,297,44 | 1,589,04 | 1,834,86 | 2,247,24 | 2,427,29 |
| 2"                                         | A - AC - AZ  | 2000           | 26,59                            | 249,69                     | 381,41 | 455,88 | 558,33 | 644,70   | 720,80   | 789,60   | 911,75   | 1,019,37 | 1,116,66 | 1,206,13 | 1,289,41 | 1,441,60 | 1,765,60 | 2,038,74 | 2,496,93 | 2,696,99 |
|                                            |              | 3500           | 34,93                            | 436,96                     | 667,47 | 797,78 | 977,08 | 1,128,23 | 1,261,40 | 1,381,80 | 1,595,56 | 1,783,89 | 1,954,16 | 2,110,73 | 2,256,47 | 2,522,81 | 3,089,79 | 3,567,79 | 4,369,63 | 4,719,74 |

### Tipi - Types



AC

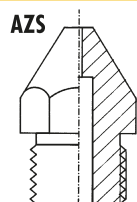
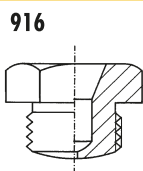
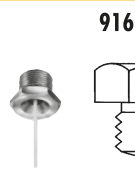


AZ



Stabilizzatore del getto  
Jet stabilizer

### Costruzioni speciali - Specially made nozzles



### Dimensioni max ingombro - Max dimensions

| Attacco maschio<br>Male pipe<br>connection | Tipo A - Type A |        | Tipo AC - Type AC |        | Tipo AZ - Type AZ |        |
|--------------------------------------------|-----------------|--------|-------------------|--------|-------------------|--------|
|                                            | A mm            | B mm   | A mm              | B mm   | A mm              | B mm   |
| 1/8"                                       | 23              | 13 hex | 20                | 13 hex | 12                | 14 hex |
| 1/4"                                       | 26              | 14 hex | 22                | 14 hex | 12                | 17 hex |
| 3/8"                                       | 32              | 17 hex | 25                | 17 hex | 13                | 22 hex |
| 1/2"                                       | 39              | 22 hex | 31                | 22 hex | 14                | 26 hex |
| 3/4"                                       | 51              | 27 hex | 35                | 27 hex | 15                | 32 hex |
| 1"                                         | 64              | 33 dia | 50                | 38 hex | 19                | 38 hex |
| 1 1/4"                                     | 96              | 43 dia | 81                | 43 dia | 22                | 50 hex |
| 2"                                         | 127             | 60 dia | 105               | 60 dia | 32                | 70 hex |

### Per ordinare, specificare - To order, specify

|                                    |              |                 |                |                         |   |                    |
|------------------------------------|--------------|-----------------|----------------|-------------------------|---|--------------------|
| 1/4"                               | AZ           | 0°              | 40             | BR                      | = | 1/4AZ0040BR        |
| Attacco maschio<br>Pipe connection | Tipo<br>Type | Angolo<br>Angle | Codice<br>Code | Materiale*<br>Material* |   | Esempio<br>Example |

\* Vedi Pag. 3 - See page 3 for list