

# Ugelli con getto a lama deflesso

## Deflected flat spray nozzles

**L - LE - RL**

### CARATTERISTICHE DI SPRUZZO

Getto piatto a lama con angolo ampio e distribuzione uniforme su tutta la superficie anche a pressioni molto basse.

### COSTRUZIONE

Gli ugelli tipo L e LE sono costruiti in un solo pezzo con attacchi maschio e filettatura Gas conica (BSPT - UNI 339). Altre filettature: NPT, Gas cilindrica (BSPP - UNI 338), ecc. sono ottenibili su specifica richiesta. La punta RL, che viene fornita con tutti i codici compresi fra 0,5 e 40, è perfettamente intercambiabile con tutte le punte della serie R1 e viene montata con l'uso dei corpi maschi o femmine e delle rispettive ghiera. I tipi LE sono disponibili con angoli di spruzzo fino a 160°. Tutti i modelli sopra indicati hanno l'orifizio a forma cilindrica che li rende particolarmente adatti anche per liquidi non perfettamente puliti o contenenti sostanze in sospensione.

### MATERIALI STANDARD

Ottone, acciaio inox AISI 303, acciaio inox AISI 316 e PVC. Altri materiali vengono forniti a richiesta. (Vedi pag. 3)

### APPLICAZIONI TIPICHE

Spargimento concimi liquidi, spargimento sali per l'eliminazione del ghiaccio sulle strade, lavaggio films, cortine d'acqua, protezione antincendio, fontane artistiche, ecc.

### SPRAY CHARACTERISTICS

They have wide angle flat spray pattern, ensuring distribution uniformity over the complete spray width even at low pressures.

### CONSTRUCTION

The L and LE nozzles are exclusively male types and are built in single pieces with cylindrical orifice, whereas the RL tip models which are available from a code range of 0,5 to 40, with the same L series spray characteristics, can be fixed on their respective male or female bodies and retained with caps. The RL tip models are also interchangeable with all the tips of R1 series. The L and LE nozzle types are Gas tapered (BSPT - UNI 339) and suitable to be used even when the liquids are not perfectly clean. The LE nozzle series can be supplied up to a 160° spray angle. Different threadings: NPT, gas parallel (BSPP - UNI 338) are obtainable under specific request.

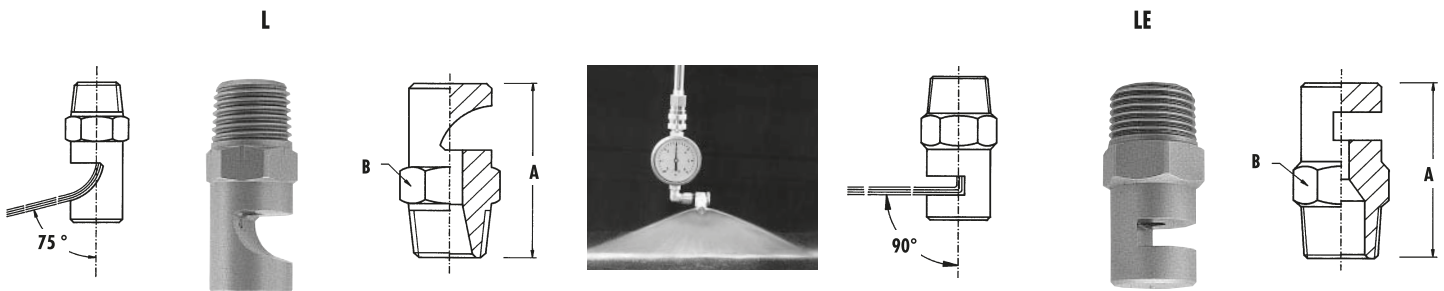
### STANDARD MATERIALS

Brass, stainless steel AISI 303, stainless steel AISI 316 and PVC. Special product materials can be supplied upon specific request. (See page 3 for list)

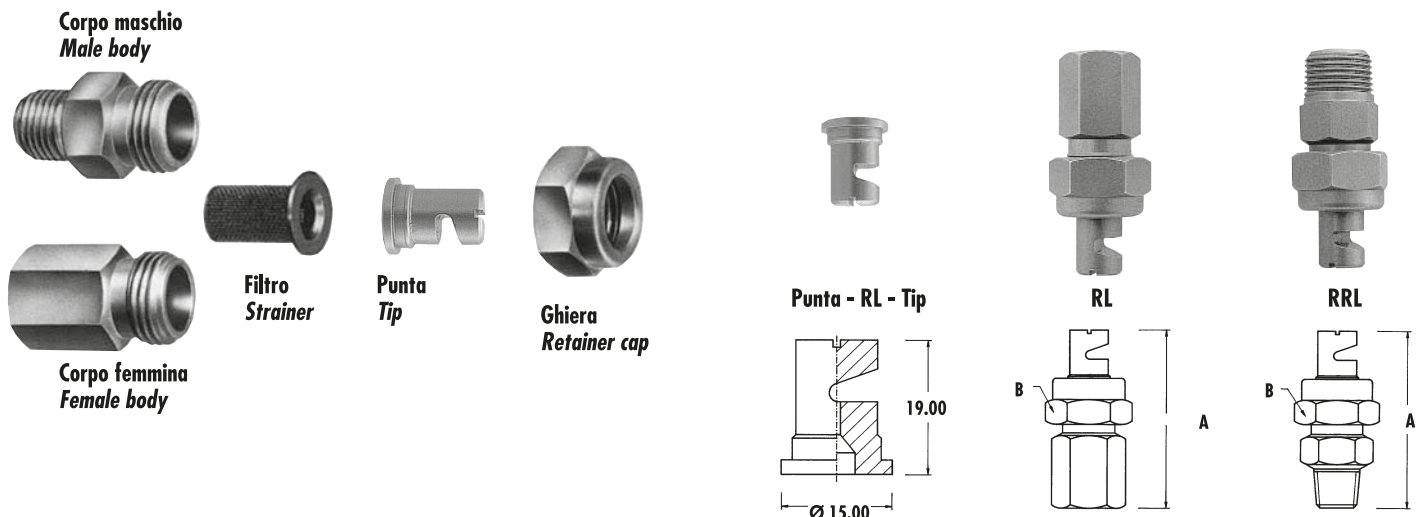
### TYPICAL APPLICATIONS

Liquid manure spreading, anti-ice formation street spraying with salt solution, film washing, water curtains, fire protection, decorative fountains etc.

## Tipi - Types

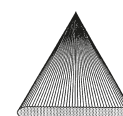


## Costruzioni serie - RL - Specially made nozzles



# Ugelli con getto a lama deflesso

## Deflected flat spray nozzles



L - LE - RL

### Tabella delle portate - Capacity chart

| Ugello - Nozzle                            |              |                | Orifizio<br>Orifice<br>Ø mm | Pressione - Pressure (Bar) |        |        |        |        |        |        |        |        |        |        |        |        | Angolo di spruzzo<br>Spray angle |         |         |       |
|--|--------------|----------------|-----------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------------|---------|---------|-------|
| Attacco maschio<br>Male pipe<br>connection | Tipo<br>Type | Codice<br>Code |                             | 0,2                        | 0,3    | 0,5    | 0,7    | 1      | 1,5    | 2      | 2,5    | 3      | 4      | 5      | 6      | 7      | 10                               | 0,5 Bar | 1,5 Bar | 4 Bar |
|  |              |                |                             | Portata - Capacity (l/min) |        |        |        |        |        |        |        |        |        |        |        |        |                                  |         |         |       |
| 1/8"                                       | L - LE       | 0,5            | 0,61                        | 0,10                       | 0,12   | 0,16   | 0,19   | 0,23   | 0,28   | 0,32   | 0,36   | 0,39   | 0,46   | 0,51   | 0,56   | 0,60   | 0,72                             | 65°     | 90°     | 120°  |
|  |              | 0,75           | 0,71                        | 0,15                       | 0,19   | 0,24   | 0,29   | 0,34   | 0,42   | 0,48   | 0,54   | 0,59   | 0,68   | 0,76   | 0,84   | 0,90   | 1,08                             | 68°     | 105°    | 125°  |
|  |              | 1              | 0,84                        | 0,20                       | 0,25   | 0,32   | 0,38   | 0,46   | 0,56   | 0,64   | 0,72   | 0,79   | 0,91   | 1,02   | 1,12   | 1,21   | 1,44                             | 73°     | 110°    | 130°  |
|  |              | 1,5            | 1,04                        | 0,31                       | 0,37   | 0,48   | 0,57   | 0,68   | 0,84   | 0,97   | 1,08   | 1,18   | 1,37   | 1,53   | 1,67   | 1,81   | 2,16                             | 75°     | 110°    | 125°  |
| 1/8"<br>1/4"                               | L - LE       | 2              | 1,17                        | 0,41                       | 0,50   | 0,64   | 0,76   | 0,91   | 1,12   | 1,29   | 1,44   | 1,58   | 1,82   | 2,04   | 2,23   | 2,41   | 2,88                             | 85°     | 115°    | 130°  |
|  |              | 2,5            | 1,32                        | 0,51                       | 0,62   | 0,81   | 0,95   | 1,14   | 1,40   | 1,61   | 1,80   | 1,97   | 2,28   | 2,55   | 2,79   | 3,02   | 3,60                             | 100°    | 120°    | 135°  |
|  |              | 3              | 1,45                        | 0,61                       | 0,75   | 0,97   | 1,14   | 1,37   | 1,67   | 1,93   | 2,16   | 2,37   | 2,74   | 3,06   | 3,35   | 3,62   | 4,32                             | 85°     | 110°    | 125°  |
|  |              | 4              | 1,65                        | 0,82                       | 1,00   | 1,29   | 1,53   | 1,82   | 2,23   | 2,58   | 2,88   | 3,16   | 3,65   | 4,08   | 4,47   | 4,82   | 5,77                             | 95°     | 125°    | 130°  |
|  |              | 5              | 1,85                        | 1,02                       | 1,25   | 1,61   | 1,91   | 2,28   | 2,79   | 3,22   | 3,60   | 3,95   | 4,56   | 5,10   | 5,58   | 6,03   | 7,21                             | 115°    | 130°    | 140°  |
|  | L - LE       | 7,5            | 2,31                        | 1,53                       | 1,87   | 2,42   | 2,86   | 3,42   | 4,19   | 4,84   | 5,41   | 5,92   | 6,84   | 7,65   | 8,37   | 9,05   | 10,81                            | 100°    | 120°    | 135°  |
|  |              | 10             | 2,64                        | 2,04                       | 2,50   | 3,22   | 3,81   | 4,56   | 5,58   | 6,45   | 7,21   | 7,90   | 9,12   | 10,19  | 11,17  | 12,06  | 14,42                            | 110°    | 120°    | 145°  |
|  |              | 12             | 2,95                        | 2,45                       | 3,00   | 3,87   | 4,58   | 5,47   | 6,70   | 7,74   | 8,65   | 9,48   | 10,94  | 12,23  | 13,40  | 14,47  | 17,30                            | 130°    | 140°    | 155°  |
|  |              | 15             | 3,28                        | 3,06                       | 3,75   | 4,84   | 5,72   | 6,84   | 8,37   | 9,67   | 10,81  | 11,84  | 13,68  | 15,29  | 16,75  | 18,09  | 21,62                            | 100°    | 115°    | 125°  |
|  |              | 18             | 3,58                        | 3,67                       | 4,49   | 5,80   | 6,87   | 8,21   | 10,05  | 11,60  | 12,97  | 14,21  | 16,41  | 18,35  | 20,10  | 21,71  | 25,95                            | 105°    | 120°    | 130°  |
| 1/4"                                       | L - LE       | 20             | 3,76                        | 4,08                       | 4,99   | 6,45   | 7,63   | 9,12   | 11,17  | 12,89  | 14,42  | 15,79  | 18,24  | 20,39  | 22,33  | 24,12  | 28,83                            | 110°    | 120°    | 135°  |
|  |              | 22             | 3,96                        | 4,49                       | 5,49   | 7,09   | 8,39   | 10,03  | 12,28  | 14,18  | 15,86  | 17,37  | 20,06  | 22,43  | 24,57  | 26,53  | 31,72                            | 110°    | 125°    | 135°  |
|  |              | 24             | 4,09                        | 4,89                       | 5,99   | 7,74   | 9,15   | 10,94  | 13,40  | 15,47  | 17,30  | 18,95  | 21,88  | 24,46  | 26,80  | 28,95  | 34,60                            | 115°    | 130°    | 145°  |
| 3/8"<br>1/2"                               | L - LE       | 27             | 4,39                        | 5,50                       | 6,74   | 8,70   | 10,30  | 12,31  | 15,07  | 17,41  | 19,46  | 21,32  | 24,62  | 27,52  | 30,15  | 32,57  | 38,92                            | 120°    | 135°    | 150°  |
|  |              | 30             | 4,57                        | 6,12                       | 7,49   | 9,67   | 11,44  | 13,68  | 16,75  | 19,34  | 21,62  | 23,69  | 27,35  | 30,58  | 33,50  | 36,18  | 43,25                            | 100°    | 110°    | 120°  |
|  | L - LE       | 35             | 4,98                        | 7,14                       | 8,74   | 11,28  | 13,35  | 15,96  | 19,54  | 22,56  | 25,23  | 27,64  | 31,91  | 35,68  | 39,08  | 42,21  | 50,46                            | 105°    | 120°    | 130°  |
|  |              | 40             | 5,31                        | 8,15                       | 9,99   | 12,89  | 15,26  | 18,24  | 22,33  | 25,79  | 28,83  | 31,58  | 36,47  | 40,77  | 44,67  | 48,25  | 57,66                            | 110°    | 125°    | 135°  |
| 1/2"<br>3/4"                               | L - LE       | 45             | 5,61                        | 9,17                       | 11,24  | 14,51  | 17,16  | 20,51  | 25,12  | 29,01  | 32,44  | 35,53  | 41,03  | 45,87  | 50,25  | 54,28  | 64,87                            | 115°    | 130°    | 140°  |
|  |              | 50             | 6,05                        | 10,19                      | 12,48  | 16,12  | 19,07  | 22,79  | 27,92  | 32,24  | 36,04  | 39,48  | 45,59  | 50,97  | 55,83  | 60,31  | 72,08                            | 115°    | 130°    | 140°  |
|  |              | 60             | 6,50                        | 12,23                      | 14,98  | 19,34  | 22,88  | 27,35  | 33,50  | 38,68  | 43,25  | 47,38  | 54,71  | 61,16  | 67,00  | 72,37  | 86,50                            | 120°    | 135°    | 140°  |
|  |              | 70             | 7,14                        | 14,27                      | 17,48  | 22,56  | 26,70  | 31,91  | 39,08  | 45,13  | 50,46  | 55,27  | 63,82  | 71,36  | 78,17  | 84,43  | 100,91                           | 125°    | 135°    | 145°  |
|  |              | 80             | 7,54                        | 16,31                      | 19,98  | 25,79  | 30,51  | 36,47  | 44,67  | 51,58  | 57,66  | 63,17  | 72,94  | 81,55  | 89,33  | 96,49  | 115,33                           | 125°    | 140°    | 150°  |
|  | L - LE       | 90             | 8,03                        | 18,35                      | 22,47  | 29,01  | 34,33  | 41,03  | 50,25  | 58,02  | 64,87  | 71,06  | 82,06  | 91,74  | 100,50 | 108,55 | 129,74                           | 120°    | 130°    | 140°  |
|  |              | 100            | 8,43                        | 20,39                      | 24,97  | 32,24  | 38,14  | 45,59  | 55,83  | 64,47  | 72,08  | 78,96  | 91,18  | 101,94 | 111,67 | 120,61 | 144,16                           | 125°    | 135°    | 145°  |
|  |              | 110            | 8,84                        | 22,43                      | 27,47  | 35,46  | 41,96  | 50,15  | 61,42  | 70,92  | 79,29  | 86,86  | 100,29 | 112,13 | 122,83 | 132,67 | 158,58                           | 125°    | 140°    | 150°  |
|  |              | 120            | 9,35                        | 24,46                      | 29,96  | 38,68  | 45,77  | 54,71  | 67,00  | 77,36  | 86,50  | 94,75  | 109,41 | 122,32 | 134,00 | 144,74 | 172,99                           | 130°    | 140°    | 150°  |
|  |              | 140            | 10,31                       | 28,54                      | 34,96  | 45,13  | 53,40  | 63,82  | 78,17  | 90,26  | 100,91 | 110,54 | 127,65 | 142,71 | 156,33 | 168,86 | 201,82                           | 120°    | 125°    | 135°  |
| 3/4"                                       | L - LE       | 160            | 11,10                       | 32,62                      | 39,95  | 51,58  | 61,03  | 72,94  | 89,33  | 103,15 | 115,33 | 126,34 | 145,88 | 163,10 | 178,67 | 192,98 | 230,66                           | 120°    | 130°    | 135°  |
|  |              | 180            | 11,51                       | 36,70                      | 44,94  | 58,02  | 68,65  | 82,06  | 100,50 | 116,05 | 129,74 | 142,13 | 164,12 | 183,49 | 201,00 | 217,10 | 259,49                           | 125°    | 135°    | 140°  |
|  |              | 210            | 12,29                       | 42,81                      | 52,44  | 67,69  | 80,10  | 95,73  | 117,25 | 135,39 | 151,37 | 165,82 | 191,47 | 214,07 | 234,50 | 253,29 | 302,74                           | 130°    | 140°    | 145°  |
|  |              | 300            | 14,68                       | 61,16                      | 74,91  | 96,71  | 114,42 | 136,76 | 167,50 | 193,41 | 216,24 | 236,88 | 273,53 | 305,81 | 335,00 | 361,84 | 432,48                           | 110°    | 130°    | 135°  |
| 1"   | L - LE       | 450            | 17,86                       | 91,74                      | 112,36 | 145,06 | 171,64 | 205,14 | 251,25 | 290,12 | 324,36 | 355,32 | 410,29 | 458,72 | 502,50 | 542,76 | 648,72                           | 120°    | 130°    | 140°  |

### Installazioni tipiche - Typical installations



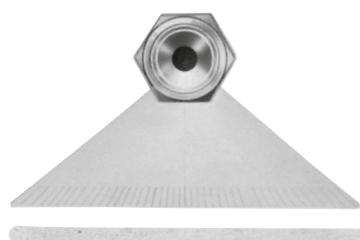
Ugello montato con fascetta  
Nozzle mounted with split-eyelet



Ugello montato con giunto orientabile  
Nozzle mounted with adjustable ball joint



Ugello montato con fascetta  
Nozzle mounted with split-eyelet



### Per ordinare - To order

Ugelli completi, specificare: - Complete nozzles, please specify:

|                            |              |                |                         |   |                    |
|----------------------------|--------------|----------------|-------------------------|---|--------------------|
| 1/2"                       | L            | 40             | SS                      | = | 1/2L40SS           |
| Attacco<br>Pipe connection | Tipo<br>Type | Codice<br>Code | Materiale*<br>Material* |   | Esempio<br>Example |

Solo punte di spruzzo, specificare: - For only tips, please specify:

|              |                |                         |   |                    |
|--------------|----------------|-------------------------|---|--------------------|
| RL           | 7,5            | SS316                   | = | RL7,5SS316         |
| Tipo<br>Type | Codice<br>Code | Materiale*<br>Material* |   | Esempio<br>Example |

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

### Dimensioni max ingombro - Max dimensions

| Attacco<br>Pipe<br>connection | Ugello tipo - Nozzle type |        |      |        |      |        |
|-------------------------------|---------------------------|--------|------|--------|------|--------|
|                               | L - LE                    |        | RL   |        | RRL  |        |
|                               | A mm                      | B mm   | A mm | B mm   | A mm | B mm   |
| 1/8"                          | 32                        | 17 hex | 52   | 21 hex | 52   | 21 hex |
| 1/4"                          | 35                        | 17 hex | 52   | 21 hex | 52   | 21 hex |
| 3/8"                          | 45                        | 21 hex | 52   | 22 hex | 52   | 21 hex |
| 1/2"                          | 51                        | 27 hex | 52   | 25 hex | 52   | 22 hex |
| 3/4"                          | 66                        | 44 hex |      |        |      |        |
| 1"                            | 93                        | 56 hex |      |        |      |        |



# Ugelli con getto a lama per aria, gas e vapore

## Air, gas and steam flat spray nozzles

### R - RL - L

#### CARATTERISTICHE DI SPRUZZO

Getto piatto a lama in asse per il tipo R e deflesso per i tipi RL e L. Distribuzione uniforme su tutta la superficie coperta anche a pressioni relativamente basse.

#### COSTRUZIONE

Le punte R e RL sono intercambiabili con tutte quelle della serie R1 e vengono montate con i corpi e le ghiera della stessa serie. (Vedi pagg. 112÷116) L'ugello tipo L è costruito in un singolo pezzo senza diffusori interni con attacchi maschio e filettatura Gas conica (BSPT - UNI 339). Altre filettature: NPT, Gas cilindrica (BSPP - UNI 338), ecc. vengono fornite su specifica richiesta.

#### MATERIALI STANDARD

Ottone, acciaio inox AISI 303, acciaio inox AISI 316 e PVC. Altri materiali vengono forniti a richiesta. (Vedi pag. 3)

#### APPLICAZIONI TIPICHE

Utilizzati in tutte le applicazioni di asciugatura, pulizia e raffreddamento con l'utilizzo di aria compressa, gas e vapore.

#### SPRAY CHARACTERISTICS

The R tip models have in-line spray projection, whereas the RL and L types are marked by deflected spray projection, though all of them provide uniform flat spray pattern even at relatively low pressures.

#### CONSTRUCTION

The R and RL tip models go with their respective male and female bodies and are retained by their respective caps. (See pages 112÷116) These same models remain interchangeable, one with the other as well as with those of the R1 series.

The L type is instead a single-piece nozzle in its exclusive form with male pipe connection, threaded Gas tapered (BSPT - UNI 339). Different threadings: NPT, Gas parallel (BSPP - UNI 338) etc. can be obtained only under specific request.

#### STANDARD MATERIALS

Brass, stainless steel AISI 303, stainless steel AISI 316 and PVC. Other special product materials can be provided upon special request. (See page 3 for list)

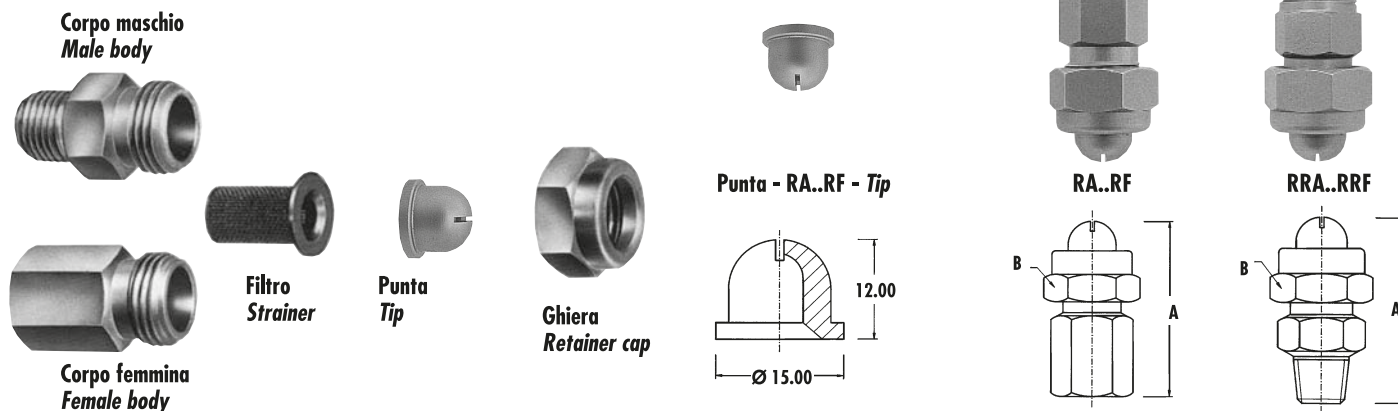
#### TYPICAL APPLICATIONS

Generally used in all drying operations, cleaning or cooling with compressed air or steam, etc.

### Tabella delle portate - Capacity chart

| Attacco<br>Pipe<br>connection | Ugello - Nozzle   |                 | Larghezza<br>fessura<br>Slot<br>width | Pressione - Pressure (Bar)     |        |        |        |          |          |          | Pressione - Pressure (Bar)             |       |       |       |       |       |       | Angolo di spruzzo |       |         |
|-------------------------------|-------------------|-----------------|---------------------------------------|--------------------------------|--------|--------|--------|----------|----------|----------|--|-------|-------|-------|-------|-------|-------|-------------------|-------|---------|
|                               | Tipo - Type       |                 |                                       | Portata - Capacity             |        |        |        |          |          |          | Portata - Capacity                     |       |       |       |       |       |       | Spray angle       |       |         |
|                               | Femmina<br>Female | Maschio<br>Male |                                       | Aria - Free air (Normal l/min) |        |        |        |          |          |          | Vapore saturo - Saturated steam (Kg/h) |       |       |       |       |       |       | 0,7 ar            | 1 Bar | 3,5 Bar |
|                               |                   |                 |                                       | 0,7                            | 1      | 2      | 3      | 4        | 5        | 7        | 0,7                                    | 1     | 2     | 3     | 4     | 5     | 7     | 80°               | 84°   | 108°    |
| 1/8"                          | RA                | RRA             | 0,20                                  | 21,66                          | 25,49  | 38,23  | 50,98  | 63,72    | 76,46    | 101,95   | 0,83                                   | 0,97  | 1,44  | 1,90  | 2,36  | 2,81  | 3,72  | 80°               | 84°   | 108°    |
|                               | RB                | RRB             | 0,33                                  | 32,50                          | 38,23  | 57,35  | 76,46  | 95,58    | 114,70   | 152,93   | 1,22                                   | 1,43  | 2,12  | 2,80  | 3,48  | 4,15  | 5,49  | 49°               | 53°   | 80°     |
| 1/4"                          | RC                | RRC             | 0,58                                  | 64,39                          | 75,76  | 113,63 | 151,51 | 189,39   | 227,27   | 303,02   | 2,56                                   | 3,00  | 4,44  | 5,86  | 7,28  | 8,68  | 11,48 | 70°               | 74°   | 95°     |
| 3/8"                          | RD                | RRD             | 1,14                                  | 114,34                         | 134,52 | 201,78 | 269,04 | 336,30   | 403,56   | 538,08   | 4,35                                   | 5,09  | 7,54  | 9,97  | 12,37 | 14,76 | 19,50 | 53°               | 55°   | 77°     |
| 1/2"                          | RE                | RRE             | 1,14                                  | 186,56                         | 219,48 | 329,22 | 438,96 | 548,70   | 658,44   | 877,92   | 7,18                                   | 8,41  | 12,45 | 16,46 | 20,43 | 24,37 | 32,21 | 82°               | 84°   | 101°    |
|                               | RF                | RRF             | 2,31                                  | 367,10                         | 431,88 | 647,82 | 863,76 | 1.079,70 | 1.295,64 | 1.727,52 | 14,16                                  | 16,58 | 24,55 | 32,45 | 40,28 | 48,06 | 63,50 | 74°               | 76°   | 97°     |

### Componenti serie - RA..RF - Series components



### Per ordinare - To order

Ugelli completi, specificare: - Complete nozzles, please specify:

|                            |              |                         |   |                    |
|----------------------------|--------------|-------------------------|---|--------------------|
| 1/4"                       | RRB          | SS                      | = | 1/4RRBSS           |
| Attacco<br>Pipe connection | Tipo<br>Type | Materiale*<br>Material* |   | Esempio<br>Example |

Solo punte di spruzzo, specificare: - For only tips, please specify:

|              |                         |   |                    |
|--------------|-------------------------|---|--------------------|
| RE           | BR                      | = | REBR               |
| Tipo<br>Type | Materiale*<br>Material* |   | Esempio<br>Example |

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

### Installazioni tipiche

Typical installations



Ugello montato con fascetta  
Nozzle mounted with split-eyelet

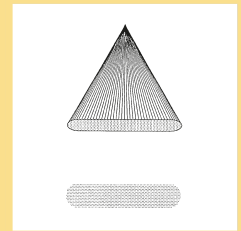
### Dimensioni max ingombro

Max dimensions

| Attacco<br>Pipe<br>connection | Ugello tipo - Nozzle type |        |          |        |
|-------------------------------|---------------------------|--------|----------|--------|
|                               | RA..RF                    |        | RRA..RRF |        |
|                               | A mm                      | B mm   | A mm     | B mm   |
| 1/8"                          | 48                        | 21 hex | 48       | 21 hex |
| 1/4"                          | 48                        | 21 hex | 48       | 21 hex |
| 3/8"                          | 48                        | 22 hex | 48       | 21 hex |
| 1/2"                          | 48                        | 25 hex | 48       | 22 hex |

# Ugelli con getto a lama per aria, gas e vapore

## Air, gas and steam flat spray nozzles

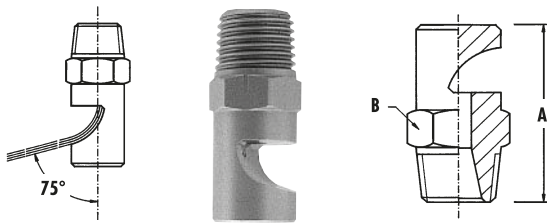


R - RL - L

Tabella delle portate - Capacity chart

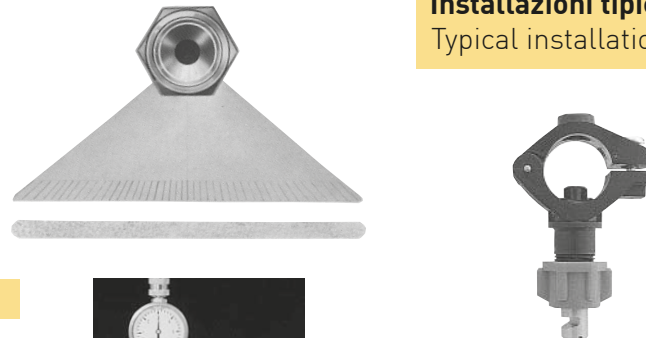
| Ugello - Nozzle               |              |                | Orifizio<br>Orifice<br>Ø mm | Pressione - Pressure (Bar)     |        |        |        |        |          |          | Pressione - Pressure (Bar)             |       |       |       |       |       |       | Angolo di spruzzo |       |         |
|-------------------------------|--------------|----------------|-----------------------------|--------------------------------|--------|--------|--------|--------|----------|----------|--|-------|-------|-------|-------|-------|-------|-------------------|-------|---------|
| Attacco<br>Pipe<br>connection | Tipo<br>Type | Codice<br>Code |                             | Portata - Capacity             |        |        |        |        |          |          | Portata - Capacity                     |       |       |       |       |       |       | Spray angle       |       |         |
|                               |              |                |                             | Aria - Free air (Normal l/min) |        |        |        |        |          |          | Vapore saturo - Saturated steam (Kg/h) |       |       |       |       |       |       | 0,7 ar            | 2 Bar | 3,5 Bar |
|                               |              |                |                             | 0,7                            | 1      | 1,5    | 2      | 2,5    | 3        | 3,5      | 0,7                                    | 1     | 1,5   | 2     | 2,5   | 3     | 3,5   |                   |       |         |
| 1/8"                          | L            | 0,5            | 0,61                        | 4,44                           | 5,22   | 6,53   | 7,83   | 9,14   | 10,44    | 11,75    | 0,16                                   | 0,19  | 0,24  | 0,28  | 0,33  | 0,37  | 0,42  | 19°               | 41°   | 45°     |
|                               |              | 0,75           | 0,71                        | 6,28                           | 7,39   | 9,23   | 11,08  | 12,93  | 14,77    | 16,62    | 0,23                                   | 0,27  | 0,33  | 0,40  | 0,46  | 0,53  | 0,59  | 23°               | 45°   | 49°     |
|                               |              | 1              | 0,84                        | 9,61                           | 11,31  | 14,14  | 16,96  | 19,79  | 22,62    | 25,45    | 0,35                                   | 0,41  | 0,51  | 0,61  | 0,71  | 0,81  | 0,91  | 28°               | 49°   | 53°     |
|                               |              | 1,5            | 1,04                        | 15,37                          | 18,08  | 22,61  | 27,13  | 31,65  | 36,17    | 40,69    | 0,57                                   | 0,66  | 0,82  | 0,98  | 1,14  | 1,29  | 1,45  | 32°               | 53°   | 57°     |
| 1/8"<br>1/4"                  | L            | 2              | 1,17                        | 19,27                          | 22,67  | 28,34  | 34,00  | 39,67  | 45,34    | 51,00    | 0,71                                   | 0,83  | 1,03  | 1,23  | 1,42  | 1,62  | 1,81  | 37°               | 60°   | 65°     |
|                               |              | 2,5            | 1,32                        | 27,06                          | 31,84  | 39,80  | 47,76  | 55,72  | 63,68    | 71,64    | 0,99                                   | 1,16  | 1,44  | 1,72  | 1,99  | 2,27  | 2,54  | 37°               | 64°   | 65°     |
|                               |              | 3              | 1,45                        | 31,93                          | 37,57  | 46,96  | 56,35  | 65,75  | 75,14    | 84,53    | 1,18                                   | 1,39  | 1,72  | 2,05  | 2,38  | 2,71  | 3,04  | 45°               | 68°   | 68°     |
|                               |              | 4              | 1,65                        | 41,13                          | 48,39  | 60,49  | 72,59  | 84,69  | 96,79    | 108,89   | 1,52                                   | 1,78  | 2,21  | 2,63  | 3,06  | 3,48  | 3,90  | 45°               | 73°   | 73°     |
|                               |              | 5              | 1,85                        | 53,04                          | 62,40  | 78,00  | 93,60  | 109,20 | 124,81   | 140,41   | 1,94                                   | 2,27  | 2,82  | 3,37  | 3,91  | 4,45  | 4,99  | 53°               | 80°   | 82°     |
|                               |              | 7,5            | 2,31                        | 79,56                          | 93,60  | 117,01 | 140,41 | 163,81 | 187,21   | 210,61   | 2,97                                   | 3,47  | 4,31  | 5,15  | 5,97  | 6,80  | 7,62  | 53°               | 80°   | 82°     |
|                               |              | 10             | 2,64                        | 109,77                         | 129,14 | 161,42 | 193,70 | 225,99 | 258,27   | 290,55   | 4,05                                   | 4,74  | 5,88  | 7,01  | 8,14  | 9,27  | 10,39 | 60°               | 85°   | 85°     |
|                               |              | 15             | 3,28                        | 179,69                         | 211,41 | 264,26 | 317,11 | 369,96 | 422,81   | 475,66   | 6,66                                   | 7,80  | 9,68  | 11,55 | 13,41 | 15,26 | 17,10 | 60°               | 88°   | 90°     |
|                               |              | 18             | 3,58                        | 207,84                         | 244,52 | 305,65 | 366,78 | 427,90 | 489,03   | 550,16   | 7,60                                   | 8,89  | 11,04 | 13,17 | 15,29 | 17,40 | 19,50 | 67°               | 92°   | 95°     |
|                               |              | 20             | 3,76                        | 222,99                         | 262,35 | 327,93 | 393,52 | 459,11 | 524,69   | 590,28   | 8,25                                   | 9,66  | 11,99 | 14,30 | 16,61 | 18,90 | 21,18 | 71°               | 99°   | 101°    |
| 3/8"                          | L            | 30             | 4,57                        | 320,96                         | 377,60 | 472,00 | 566,40 | 660,80 | 755,20   | 849,60   | 11,87                                  | 13,89 | 17,25 | 20,58 | 23,89 | 27,19 | 30,48 | 71°               | 103°  | 105°    |
|                               |              | 40             | 5,31                        | 438,41                         | 515,78 | 644,72 | 773,67 | 902,61 | 1.031,55 | 1.160,50 | 16,22                                  | 18,98 | 23,56 | 28,11 | 32,64 | 37,15 | 41,64 | 71°               | 103°  | 106°    |

Tipo - L - Type

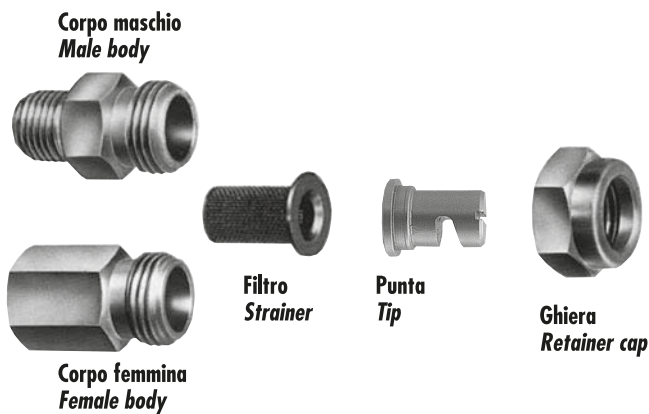


Installazioni tipiche

Typical installations



Componenti serie - RL - Series components



Ugello montato con fascetta  
Nozzle mounted with split-eyelet

Per ordinare - To order

Ugelli completi, specificare: - Complete nozzles, please specify:

|                            |              |                |                         |   |                    |
|----------------------------|--------------|----------------|-------------------------|---|--------------------|
| 1/4"                       | L            | 18             | SS                      | = | 1/4L18SS           |
| Attacco<br>Pipe connection | Tipo<br>Type | Codice<br>Code | Materiale*<br>Material* |   | Esempio<br>Example |

Solo punte di spruzzo, specificare: - For only tips, please specify:

|              |                |                         |   |                    |
|--------------|----------------|-------------------------|---|--------------------|
| RL           | 2              | SS316                   | = | RL2SS316           |
| Tipo<br>Type | Codice<br>Code | Materiale*<br>Material* |   | Esempio<br>Example |

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

Dimensioni max ingombro - Max dimensions

| Attacco<br>Pipe<br>connection | Ugello tipo - Nozzle type |        |      |        |      |        |
|-------------------------------|---------------------------|--------|------|--------|------|--------|
|                               | L                         |        | RL   |        | RRL  |        |
|                               | A mm                      | B mm   | A mm | B mm   | A mm | B mm   |
| 1/8"                          | 32                        | 17 hex | 52   | 21 hex | 52   | 21 hex |
| 1/4"                          | 35                        | 17 hex | 52   | 21 hex | 52   | 21 hex |
| 3/8"                          | 45                        | 21 hex | 52   | 22 hex | 52   | 21 hex |
| 1/2"                          |                           |        | 52   | 25 hex | 52   | 22 hex |