



Tandem™

Classic dripline with cylindrical dripper

Tandem is the classic dripline with cylindrical dripper by Irritec. The dripper with double perforation enables an increase in the irrigated surface. The **four emission holes** located in the opposite position prevent intake of impurities, for simple laying.

Thanks to **the double perforation,**
the irrigated surface increases!



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TANDEM®



CLASSIC DRIPLINE WITH CYLINDRICAL DRIPPER

Tandem is the classic dripline with cylindrical dripper with double hole, a feature that allows an increase in the irrigated surface. Its four emission holes placed in the opposite position prevent the suction of impurities, for a simplified installation. The dripper is equipped with an inlet filter that considerably reduces the risk of occlusion and ensures excellent irrigation uniformity. The outlet holes of the dripper allow a quick and easy installation without the need to check the position of the emission point, ensuring the discharge of the pipes at the end of the irrigation cycle.

Field of application



Dripline technical data

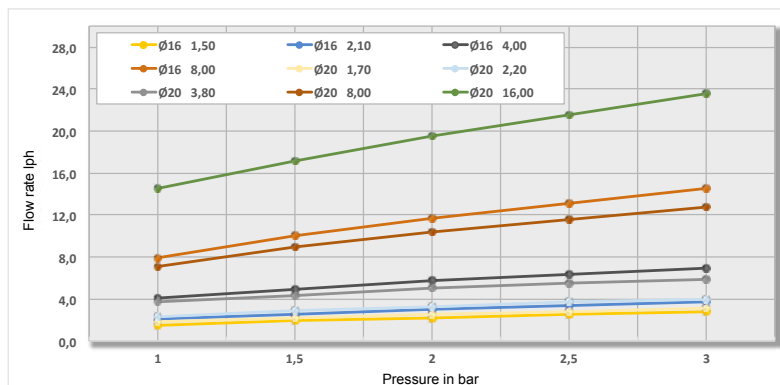
| Ø nominal mm | Ø internal mm | Ø external mm | Pricelist ref. | Thickness | | Max working pressure | | Kd |
|--------------|---------------|---------------|----------------|-----------|------|----------------------|-----|------|
| | | | | mil | mm | bar | psi | |
| 16 | 13,8 | 15,6 | FATA35 | 35 | 0,90 | 3,0 | 43 | 0,55 |
| | | 16,0 | FATA44 | 44 | 1,10 | 4,0 | 58 | |
| 20 | 17,7 | 19,5 | FATB35 | 35 | 0,90 | 3,0 | 43 | 0,30 |
| | | 20,1 | FATB47 | 47 | 1,20 | 4,0 | 58 | |

Dripper characteristics

| Ø nominal mm | Nominal flow rate lph a 1,0 bar | Actual flow rate lph a 1,0 bar | Flow Equation | | Recomm. filtering mesh | CV % |
|--------------|---------------------------------|--------------------------------|---------------|------|------------------------|------|
| | | | k | x | | |
| 16 | 1,50 | 1,6 | 0,43 | 0,55 | 150 | ≤ 3 |
| | 2,10 | 2,1 | 0,69 | 0,50 | 120 | ≤ 3 |
| | 4,00 | 4,0 | 1,32 | 0,49 | 100 | ≤ 3 |
| | 8,00 | 7,8 | 2,48 | 0,51 | 100 | ≤ 3 |
| 20 | 1,70 | 1,7 | 0,56 | 0,52 | 150 | ≤ 3 |
| | 2,20 | 2,3 | 0,80 | 0,49 | 120 | ≤ 3 |
| | 3,80 | 3,8 | 1,20 | 0,48 | 100 | ≤ 3 |
| | 8,00 | 7,0 | 2,35 | 0,49 | 100 | ≤ 3 |
| | 16,00 | 14,0 | 4,94 | 0,47 | 100 | ≤ 3 |

Pressure - flow rate ratio

| Ø nominal mm | Nominal flow rate lph a 1 bar | Pressure (bar) | | | | |
|--------------|-------------------------------|----------------|-------|-------|-------|-------|
| | | 1 | 1,5 | 2 | 2,5 | 3 |
| 16 | 1,50 | 1,49 | 1,90 | 2,20 | 2,50 | 2,80 |
| | 2,10 | 2,10 | 2,60 | 3,00 | 3,40 | 3,70 |
| | 4,00 | 4,05 | 4,90 | 5,70 | 6,30 | 6,90 |
| | 8,00 | 7,93 | 10,00 | 11,70 | 13,10 | 14,50 |
| 20 | 1,70 | 1,78 | 2,20 | 2,50 | 2,80 | 3,10 |
| | 2,20 | 2,26 | 2,90 | 3,30 | 3,70 | 4,00 |
| | 3,80 | 3,73 | 4,30 | 5,00 | 5,50 | 5,90 |
| | 8,00 | 7,10 | 9,00 | 10,40 | 11,60 | 12,70 |
| | 16,00 | 14,50 | 17,10 | 19,50 | 21,60 | 23,60 |



Lengths recommended in metres, based on E.U.

| Flow rate lph | E.U.% | TANDEM 16 mm Spacing (cm) | | | | | | | | |
|---------------|-------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 |
| 1,50 | 90 | 65 | 91 | 113 | 134 | 153 | 180 | 221 | 259 | 292 |
| | 85 | 81 | 113 | 141 | 167 | 191 | 224 | 275 | 321 | 363 |
| 2,10 | 90 | 54 | 75 | 94 | 111 | 127 | 149 | 183 | 216 | 244 |
| | 85 | 67 | 93 | 116 | 137 | 157 | 185 | 227 | 267 | 303 |
| 4,00 | 90 | 37 | 51 | 64 | 75 | 86 | 101 | 124 | 114 | 164 |
| | 85 | 45 | 63 | 79 | 93 | 107 | 125 | 154 | 179 | 202 |
| 8,00 | 90 | 24 | 33 | 41 | 48 | 55 | 65 | 80 | 93 | 106 |
| | 85 | 29 | 40 | 50 | 60 | 68 | 80 | 99 | 115 | 131 |

| Flow rate lph | E.U.% | TANDEM 20 mm Spacing (cm) | | | | | | | | |
|---------------|-------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 20 | 30 | 40 | 50 | 60 | 75 | 100 | 125 | 150 |
| 1,70 | 95 | 52 | 71 | 89 | 104 | 119 | 140 | 171 | 199 | 225 |
| | 90 | 95 | 131 | 163 | 193 | 220 | 258 | 315 | 368 | 416 |
| 2,20 | 95 | 44 | 61 | 76 | 89 | 102 | 119 | 145 | 172 | 194 |
| | 90 | 81 | 111 | 139 | 164 | 187 | 219 | 268 | 316 | 357 |
| 3,80 | 95 | 100 | 138 | 171 | 202 | 213 | 271 | 331 | 391 | 442 |
| | 90 | 34 | 48 | 59 | 70 | 79 | 93 | 114 | 132 | 150 |
| 8,00 | 90 | 63 | 87 | 108 | 128 | 146 | 171 | 209 | 243 | 275 |
| | 85 | 78 | 107 | 134 | 158 | 180 | 211 | 258 | 301 | 340 |
| 16,00 | 95 | 22 | 31 | 38 | 48 | 51 | 60 | 73 | 85 | 96 |
| | 90 | 41 | 56 | 70 | 82 | 94 | 110 | 134 | 155 | 176 |
| 85 | 50 | 69 | 86 | 102 | 116 | 136 | 166 | 192 | 217 | |
| | 95 | 14 | 20 | 25 | 29 | 33 | 39 | 48 | 55 | 62 |
| 90 | 26 | 36 | 45 | 53 | 61 | 71 | 87 | 101 | 114 | |
| | 85 | 32 | 45 | 56 | 66 | 75 | 88 | 107 | 125 | 141 |

E.U. = emission uniformity
• Inbound pressure = 1,0 bar • Slope = 0

