

DRIP IN® PC

Pressure compensating

Applications

Ideal to irrigate crops in difficult topographical conditions, varying water pressures and in installations requiring long laterals.

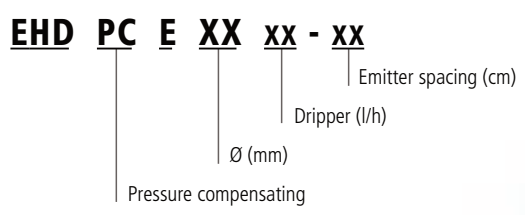
Features

Drip In PC (pressure compensating) dripline has a built in flow regulated emitter that provides a constant discharge over a pressure range of 0,5 bar to 4,2 bar. The emitter is installed in the tube during the extrusion process. This prevents damage and loss of dripper and reduces labour and installation costs.

Advantages

- Highly resistant to clogging (filtration is, in any case, required)
- The flow rates never exceeds nominal flow rate
- Drip In PC is the only dripline featuring dual-opposed exit holes to prevent re-entry of dirty during vacuum phase at the end of each irrigation cycle
- Drip In PC emitter body is made from polyethylene resins. The diaphragm is made from silicon. This combination will withstand acids down to pH2 as well as chemicals, fertilisers and chlorine
- The emitters performance is not affected by changes in water temperatures.
- Five years' warranty.

Codes Drip In® PC



flushing



regulating

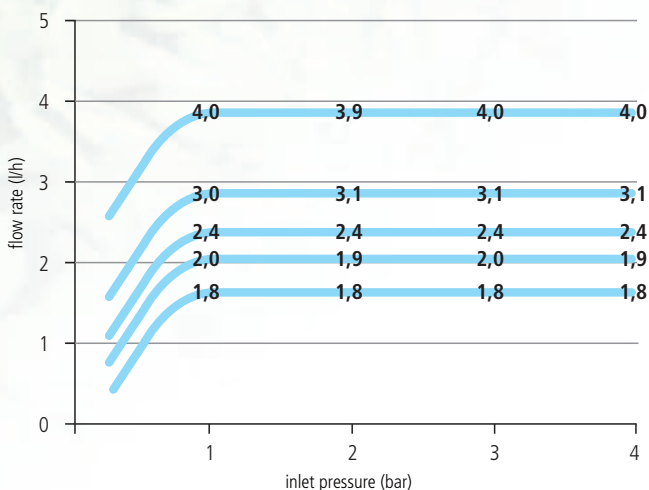


T A P E A N D D R I P - L I N E

DRIP IN® PC

Pressure compensating

Emitter discharge rate vs. pressure



Versatility

- Drip In PC is highly versatile
- Emitters are available with 5 different flow rates (1,8-2,0-2,4-3,0-4,0 l/h) and can be inserted into two hose sizes:
 - 16 mm (I.D. 14 mm / O.D. 16,2 mm)
 - 20 mm (I.D. 18 mm / O.D. 20,4 mm)
- Unlimited spacing options plus group spacing provide greater design flexibility
- Drip In PC can be used in permanent installation or row crops where it is laid out and re-rolled easily
- Standard reel-length:
 - 300 m per 20 mm
 - 400 m per 16 mm
- Drip In PC may be hung on wire, laid on the surface or buried (SSDI).

Performance chart

Diameter (mm)	Wall thickness (mm)	Emitter (l/h)	Spacing (cm)	Reel Length (m)	Weight (Kg)	Reel dimensions (Ø x h)
I.D. 14 / O.D. 16,2	1,1	1,8; 2,0; 2,4; 3,0; 4,0*	30; 40; 50; 60; 75; 100	400	21	83 cm x 30 cm
I.D. 18 / O.D. 20,4	1,2	1,8; 2,0; 2,4; 3,0; 4,0	30; 40; 50; 60; 75; 100	300	21	83 cm x 30 cm

Max recommended Drip Line Length

Drip In PC 16 mm (I.D. 14 mm / O.D. 16,2 mm)

Inlet pressure	Emitter (cm)					
	30	40	50	60	75	100
1,0 bar	54 50 44 40 33	69 64 57 52 42	84 78 70 63 52	99 92 82 74 61	119 111 98 89 73	150 140 125 113 93
1,7 bar	83 77 69 62 51	109 104 89 81 66	130 121 108 98 81	153 142 126 115 94	184 171 153 138 114	233 217 193 175 144
2,4 bar	100 93 83 75 62	130 121 108 98 80	158 147 131 119 98	185 172 153 139 114	224 208 185 168 138	283 263 234 212 175
3,0 bar	117 104 93 84 69	143 130 121 109 90	177 164 146 133 109	207 192 171 155 128	249 232 207 187 154	316 294 232 237 195
3,5 bar	119 112 100 91 74	156 145 129 117 96	190 177 157 143 117	222 207 184 167 137	268 249 222 201 166	339 315 281 255 210
4,0 bar	127 119 106 96 79	166 154 137 124 102	201 187 167 151 124	236 219 195 177 146	285 265 236 214 176	360 335 298 270 223
Flow rate l/h	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0

Drip In PC 20 mm (I.D. 18 mm / O.D. 20,4 mm)

Inlet pressure	Emitter (cm)					
	30	40	50	60	75	100
1,0 bar	95 89 79 72 59	122 113 101 91 75	126 136 121 110 91	170 158 141 127 105	202 188 168 152 125	252 235 209 190 156
1,7 bar	147 137 122 111 91	183 176 156 142 117	227 211 188 170 140	263 245 218 197 163	314 292 260 235 194	391 364 324 294 242
2,4 bar	179 167 148 135 111	229 213 190 172 142	274 256 228 207 170	319 297 264 240 197	381 354 315 286 235	474 441 393 356 293
3,0 bar	200 186 166 150 124	256 238 212 192 158	307 286 254 231 190	356 331 295 267 220	425 395 352 319 263	530 493 439 398 327
3,5 bar	215 200 178 161 133	274 255 227 206 170	330 307 273 248 204	383 356 317 287 236	456 424 378 342 282	569 529 471 427 352
4,0 bar	228 212 189 171 141	291 271 241 219 180	351 326 290 263 217	406 378 336 305 251	484 450 401 366 299	604 562 500 453 373
Flow rate l/h	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0	1,8 2,0 2,4 3,0 4,0

Data refers to a minimum working pressure of 0,7 bars at line end. The above data may vary according test conditions.

* 1,2 and 1,5 for Drip In PC 16 mm will be available soon.