AGRAS PRESSURE-COMPENSATING DRIPPER

I05-AGRAS-FT-001

Product data sheet · Drippers, sprinklers and accessories

Pressure-compensating, self-cleaning dripper with anti-drain valve, from 2 to 32 L/h, sold individually, as a complete assembly or in bags of 10.



Technical data

Flow rates	2 L/h (purple), 4 L/h (grey), 8 L/h (blue), 16 L/h (red), 24 and 32 L/h
Pressure-compensation range (2, 4 and 8 L/h)	1 to 4 bar
Anti-drain valve (2, 4 and 8 L/h)	Opens at 0.5 bar, closes at 0.3 bar
Minimum filtration required	100 µm (2 L/h), 125 µm (4 and 8 L/h)
Mounting	End of a Ø 6 mm microtube or Ø 12 to 32 mm LDPE pipe
Pipe punching	3 mm punch

Description

The AGRAS dripper is a pressure-compensating, self-cleaning dripper fitted with an anti-drain valve. It is available in 2, 4, 8, 16, 24 and 32 L/h. On the 2, 4 and 8 L/h drippers, the valve opens at 0.5 bar and closes at 0.3 bar.

It is suitable for the irrigation of vineyards, greenhouses and potted plants. It was developed for sloping plots, long lateral lengths and all installations that require precise control of water consumption and a uniform flow rate.

Available flow rates and minimum filtration required

Code	Nominal flow rate (L/h)	Colour	Filtration grade (µm)
3195-0002	2	purple	100
3195-0004	4	grey	125
3195-0008	8	blue	125
3195-0016	16	red	
3195-0024	24		
3195-0032	32		

The 2 and 4 L/h drippers are also available as a complete assembly, and the 2, 4 and 8 L/h drippers in bags of 10.

Complete assemblies and bags

Code	Description	Nominal flow rate (L/h)	Colour
3195-2550	Complete assembly (dripper, microtube, nozzle and stake)	2	purple
3195-4550	Complete assembly (dripper, microtube, nozzle and stake)	4	grey
3195-0002-M10	Bag of 10 drippers	2	purple
3195-0004-M10	Bag of 10 drippers	4	grey
3195-0008-M10	Bag of 10 drippers	8	blue

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Performance

Maximum length of a lateral, in metres, according to pipe diameter, dripper spacing and dripper flow rate (2, 4 and 8 L/h drippers).

Maximum lateral length (6 bar PE pipe, inlet pressure 4 bar) according to dripper flow rate: 2, 4 or 8 L/h (Max. lateral length, m)

Diameter	Spacing	2	4	8
12	0.3	95	59	39
12	0.5	131	82	54
12	0.75	169	106	70
12	1	205	128	84
16	0.3	175	110	72
16	0.5	243	152	100
16	0.75	313	196	130
16	1	377	236	156
20	0.3	262	164	108
20	0.5	364	227	150
20	0.75	471	294	194
20	1	566	353	234
25	0.3	378	244	156
25	0.5	525	338	216
25	0.75	680	435	281
25	1	817	526	337
32	0.3	602	376	249
32	0.5	834	520	345
32	0.75	1080	674	446
32	1	1298	810	536

Installation

The dripper is mounted at the end of a 6 mm microtube or directly on a 12 to 32 mm LDPE pipe. Punch the pipe with a 3 mm punch.

The dripper outlet can take:

- a 2- or 4-outlet manifold, with 3.5 × 5 mm capillary tubes and dripper stakes;
- a single 3.2 mm diameter capillary tube with an angled stake.

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