

AZUD | QGROW

logic

Automatic fertigation equipment for automated and simultaneous multi-injection of nutrients into the irrigation system.

Technical characteristics

Comprehensive automated control and management
Controller ES, EN, FR, PT

3, 4, 5 lines

PN5.5 / PN8

400 V AC 50 Hz / 440 V AC 60 Hz / 400 V AC 60 Hz



Product range

No. of injection lines	Flow rate per injection line	Max. Working Pressure
	(l/h)	bar
3	600	5,5
3	600	8
4	600	5,5
4	600	8
5	600	5,5
5	600	8

Controller languages: Spanish, English, French, and Portuguese

Options: Without fertilizer flow meter / With fertilizer flow meter

Technical data

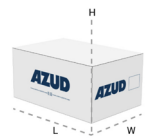
Model	Working pressure range	Power supply	Frequency	Fertilizer pump power	Total power	Fertilizer pump consumption	Total consumption
	bar		Hz	kW	kW	A	A
AZUD QGROW logic	2 - 5.5	400 V AC	50	2,5	3,0	4,60	5,85
	2 - 8	400 V AC	50	3,8	4,3	6,74	8
	2 - 5.5	440 V AC	60	2,9	3,4	5,06	6,2
	2 - 8	440 V AC	60	4,2	4,7	6,44	7,6
	2 - 5.5	400 V AC	60	2,9	3,36	5,56	6,8
	2 - 8	400 V AC	60	4,2	4,52	7,45	8,7

Equipment features

Irrigation pump controller	Yes
pH & EC sensors	Yes
Blower start	Yes
Fertilizer pump starting	Yes
Safety valve	Yes
Controller	AZUD SYRA 300
Modem communication	Yes
Digital outputs	32
Irrigation sectors (Free outputs)	23

Connection information

Model	AZUD QGROW logic
Inlet connection	Ø50 mm - 1 1/2" DIN/BS Glued joint
Outlet connection	Ø50 mm - 1 1/2" DIN/BS Glued joint
Mixing chamber connection	Ø63 mm - 2" DIN
Sensors manifold connection	Ø20 mm - 1/2" BSP thread
Dosing channel connection	Ø20 mm - 1/2" BSP female thread
Venturi	Ø25 mm - 3/4" BSP thread
Fertilizer flow meter connection diameter	Ø20 mm - 1/2" BSP thread
FIP electrovalve connection	Ø16 mm - 3/8" BSP female thread
Internal bore FIP electrovalve	8 mm



Logistics data

No. of injection lines	Max. Working Pressure	Frequency	Length	Width	High	Volume	Net weight	Gross weight
	bar							
3	5,5	50	1	0,8	1,29	1,03	74,5	96,5
	8	50	1	0,8	1,29	1,03	87	109
	5,5	60	1	0,8	1,29	1,03	75	97
	8	60	1	0,8	1,29	1,03	83,5	105,5
	8	60	1	0,8	1,29	1,03	83,5	111
	8	50	1	0,8	1,29	1,03	87	105,5
	5,5	60	1	0,8	1,29	1,03	75	109
4	5,5	50	1	0,8	1,29	1,03	76	98
	8	50	1	0,8	1,29	1,03	88,5	110,5
	8	50	1	0,8	1,29	1,03	88,5	111
	5,5	60	1	0,8	1,29	1,03	76,5	98,5
	8	60	1	0,8	1,29	1,03	85	107
	8	50	1	0,8	1,29	1,03	88,5	115
5	5,5	50	1	0,8	1,29	1,03	77,5	99,5
	8	50	1	0,8	1,29	1,03	90	112
	5,5	60	1	0,8	1,29	1,03	78	100
	8	60	1	0,8	1,29	1,03	86,5	108,5