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

Tree and orchard crops · Vineyards · Olive groves · Crops protected underground · Nurseries · Hedges, trees and flowerbeds

Product certified according to ISO 9261

Dripline technical data

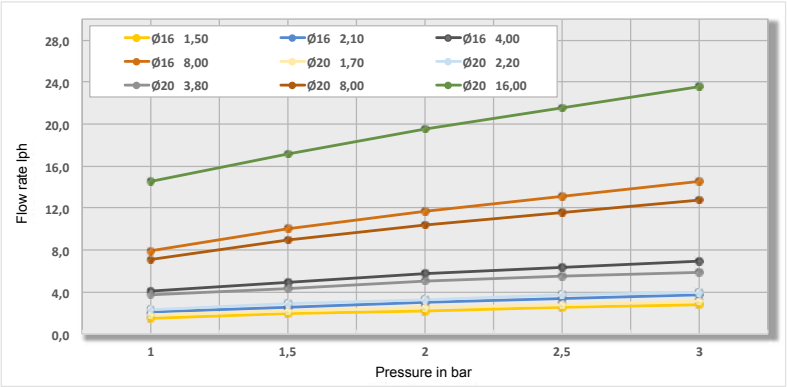
Ø nominal	Ø internal	Ø external	Pricelist ref.	Thickness		Max working pressure		Kd
mm	mm	mm	-	mil	mm	bar	psi	-
16	13,8	15,6	FATA35	35	0,90	3,0	43	0,55
		16,0	FATA44	44	1,10	4,0	58	
20	17,7	19,5	FATB35	35	0,90	3,0	43	0,30
		20,1	FATB47	47	1,20	4,0	58	

Dripper characteristics

Ø nominal	Nominal flow rate	Actual flow rate		Flow Equation		Recomm. filtering	CV
mm	lph a 1,0 bar	lph a 1,0 bar		k	x	mesh	%
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	Nominal flow rate	Pressure (bar)				
mm	lph a 1 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.

TANDEM 16 mm										
Flow rate lph	E.U.%	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

TANDEM 20 mm										
Flow rate lph	E.U.%	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
	85	118	162	202	239	272	319	391	456	516
2,20	95	44	61	76	89	102	119	145	172	194
	90	81	111	139	164	187	219	268	316	357
	85	100	138	171	202	213	271	331	391	442
3,80	95	34	48	59	70	79	93	114	132	150
	90	63	87	108	128	146	171	209	243	275
	85	78	107	134	158	180	211	258	301	340
8,00	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
16,00	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*

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For further information download the complete catalogue.