

CLASSIC DRIPLINE WITH CYLINDRICAL DRIPPER

The classic dripline with cylindrical dripper is characterised by an outlet with four emission holes located in the opposite position which prevent intake of impurities and simplify laying. The inlet filter of the dripper substantially reduces the risk of clogging caused by the use of "difficult" to filter water. The flow points of the dripper allow quick and easy installation without the need to check the position of the flow points and ensure complete emptying of the hose at the end of the irrigation cycle.

TandemTM
With four emission holes!
CLASSIC DRIPLINE WITH CYLINDRICAL DRIPPER**Product types available**

Product	Nominal external Ø	Packaging type	Thickness
-	mm	roll	mil
Tandem	16	standard	35-44
	20	standard	35-47

Product certified according to ISO 9261

**Examples of dripper**

2,10 LPH

Field of application

Tree and orchard crops



Vineyards



Hedges, trees and flowerbeds



Crops protected underground



Nurseries

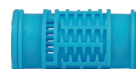


Olive groves

JuniorTM
Small dripper, minimum load loss
CLASSIC DRIPLINE WITH COMPACT CYLINDRICAL DRIPPER**Product types available**

Product	Nominal external Ø	Packaging type	Thickness
-	mm	roll	mil
Junior	16	standard	35-44
	20	standard	35-47

Product certified according to ISO 9261

**Examples of dripper**

2,10 LPH

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Olive groves

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.

Characteristics and advantages

- The double perforation of the dripper guarantees an increase in irrigated surface with resulting reduced percolation.
- Dripline with four emission holes in the opposite position (valid for all cylinders) which prevent intake of impurities, for simple laying.
- The self-cleaning turbulent flow dripper prevents the formation of sediments within the labyrinth.
- The inlet filter of the dripper substantially reduces the risk of clogging caused by the use of "difficult" water.
- The flow points of the dripper allow quick and easy installation without the need to check the position of the flow points and ensure complete emptying of the hose at the end of the irrigation cycle.



Field of application (cf. page 3)



Tree and orchard crops



Vineyards



Olive groves



Crops protected underground



Nurseries

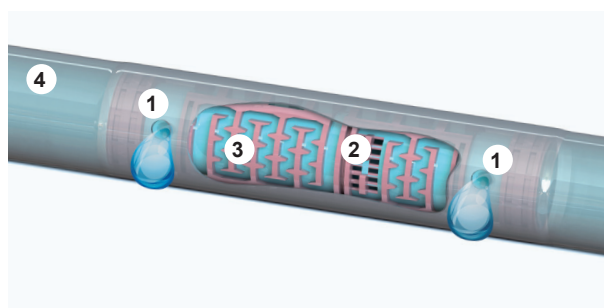


Hedges, trees and flowerbeds

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



TANDEM dripline



- 1 - Outlet holes
- 2 - Inlet filter with vast filtering surface
- 3 - Turbulent flow labyrinth with low pressure sensitivity
- 4 - Polyethylene pipe

Tandem - Dripline technical data

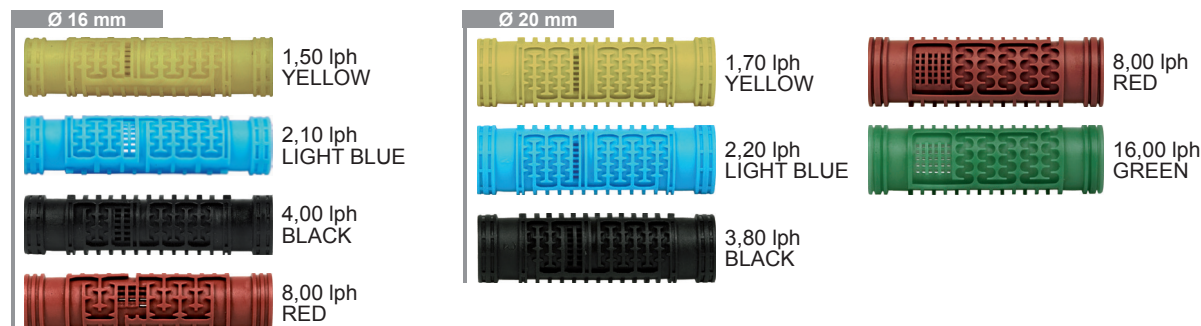


Nominal diameter mm	Internal diameter mm	External diameter mm	Pricelist ref.	Thickness mil	Thickness mm	Max working pressure bar	Max working pressure psi	Kd
16	13,8	15,6	FATA35	35	0,90	3,0	43	0,55
		16,0	FATA44	44	1,10	4,0	58	
20	17,7	19,5	FATB35	35	0,90	3,0	43	0,30
		20,1	FATB47	47	1,20	4,0	58	

Tandem - Dripper characteristics

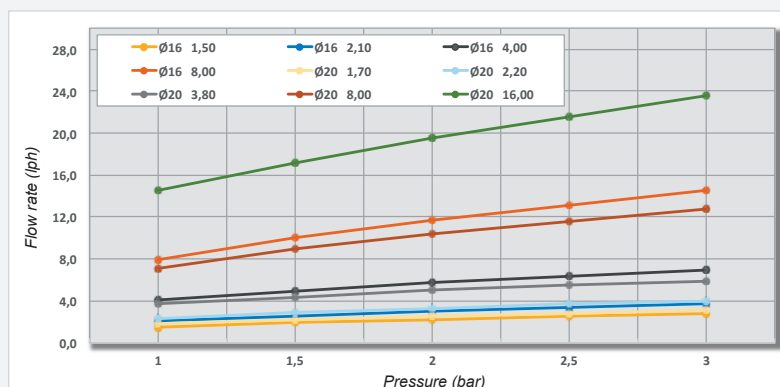
Nominal diameter mm	Nominal flow rate lph a 1,0 bar	Actual flow rate lph a 1,0 bar	Dimensions of labyrinth in mm			Inlet filter		Flow Equation		Recommended filtering mesh	CV
			Height	Width	Height	Area mm ²	No. holes	k	x		%
16	1,50	1,60	240	1,25	0,85	5	7	0,43	0,55	150	≤ 3
	2,10	2,10	240	1,35	1,00	10	10	0,69	0,50	120	≤ 3
	4,00	4,00	200	1,30	1,30	10	10	1,32	0,49	100	≤ 3
	8,00	7,80	140	1,90	1,40	34	24	2,48	0,51	100	≤ 3
20	1,70	1,70	320	1,30	1,00	10	7	0,56	0,52	150	≤ 3
	2,20	2,30	320	1,20	1,20	10	7	0,80	0,49	120	≤ 3
	3,80	3,80	310	1,40	1,50	19	14	1,20	0,48	100	≤ 3
	8,00	7,00	75	1,40	1,50	30	30	2,35	0,49	100	≤ 3
	16,00	14,00	150	1,40	1,50	60	60	4,94	0,47	100	≤ 3

Available flow rates



Tandem - Pressure - flow rate ratio

Nominal diameter mm	Actual 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



Tandem - 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	144	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

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

• Slope = 0

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
2,20	85	118	162	202	239	272	319	391	456	516
	95	44	61	76	89	102	119	145	172	194
3,80	90	81	111	139	164	187	219	268	316	357
	85	100	138	171	202	213	271	331	391	442
8,00	95	34	48	59	70	79	93	114	132	150
	90	63	87	108	128	146	171	209	243	275
16,00	85	78	107	134	158	180	211	258	301	340
	95	22	31	38	48	51	60	73	85	96
16,00	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
16,00	85	32	45	56	66	75	88	107	125	141