



Are You Still Hand Watering?

Netafim MOD Systems are:

- Low cost
- Fast payback

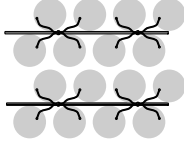
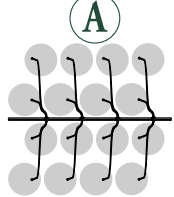
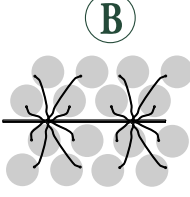
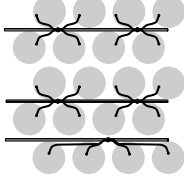
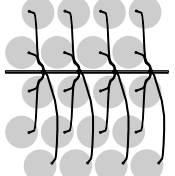
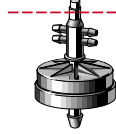
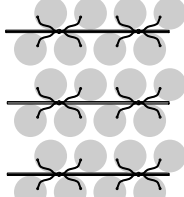

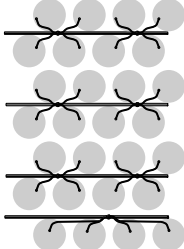
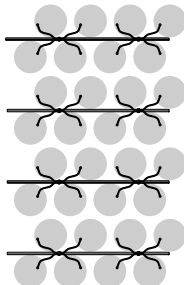
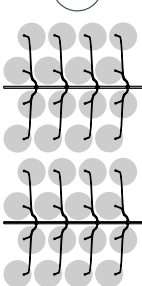
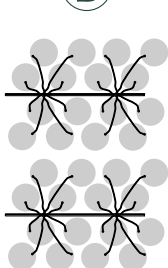


Payback Period *for a Netafim pot watering system*

Hand Watering Schedule (<i>per plant</i>)	3 seconds once a day			
Cost per Plant (<i>for Netafim System</i>)	\$0.50			
Wages & Benefits (<i>per hour</i>)	\$7.00	\$8.00	\$9.00	\$12.00
Netafim System Payback (<i>days</i>)	86	75	67	50

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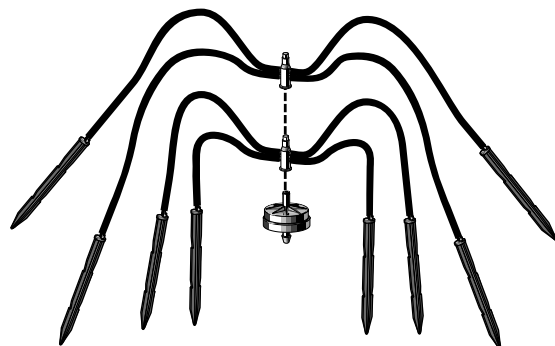
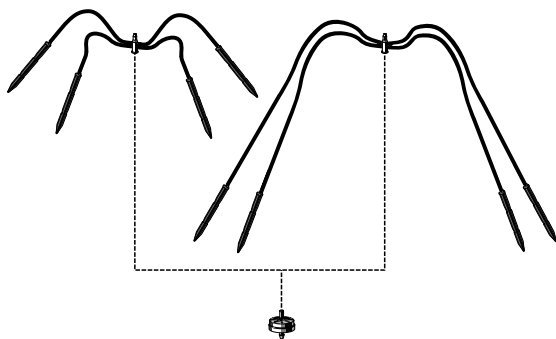
Rows of Plants	Typical Layout	Alternative Layouts	
4		<p>A</p> 	<p>B</p>  <p>The Typical layout usually has a lower cost than either Alternate layout. Alternate B illustrates the use of an 8-Way MOD. This is recommended for systems of many small pots (4"), or other applications where the water supply must be stretched, and low flow per plant (1/4 gph) is suitable.</p>
5			 <p>The 4-Way MOD can be converted into a 5-Way by clipping off the tip of the 4-Way manifold. Note that the flow to each pot in a 4-Way MOD is 0.5 gph, and the flow to each pot using a 5-Way will now be 0.40 gph. Therefore, it would not be prudent to combine both 4-Way and 5-Way MODs on the same system, as the flow per plant would not be uniform.</p>
6			
7			
8		<p>A</p> 	<p>B</p>  <p>The Typical layout usually has a lower cost than either Alternate layout. Alternate B illustrates the use of an 8-Way MOD. This is recommended for systems of many small pots (4"), or other applications where the water supply must be stretched, and low flow per plant (1/4 gph) is suitable.</p>

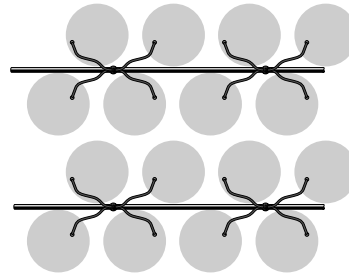
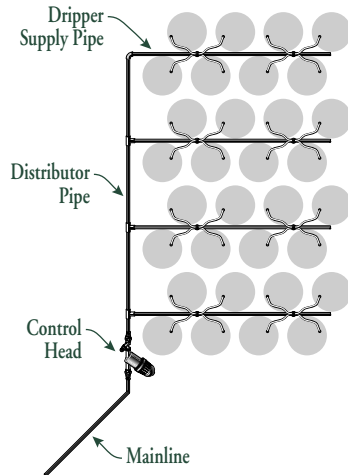
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Unlike Capillaries – Netafim MOD Systems are:

- Flexible
- Portable





4-Way MOD Dripper Supply Pipe Sizing

Assumes 35 psi inlet pressure, 10 psi at last dripper & no slope.

Length of Pipe (in feet)	Dripper Spacing (in inches)				
	6"	12"	18"	24"	36"
50	16mm poly	16mm poly	16mm poly	16mm poly	16mm poly
100	1/2" poly				
150	3/4" poly	1/2" poly			
200		3/4" poly	1/2" poly		
250	1" poly			1/2" poly	
300			3/4" poly		
350				3/4" poly	1/2" poly
400		1" poly			

Zone Flow Chart (gpm)

Number of Plants	200	400	600	800	1000	1200	1400	1600	1800	2000
GPM 4-Way MOD	2	3	5	7	8	10	12	13	15	17
GPM 8-Way MOD	1	2	3	3	4	5	6	7	8	8

Distributor Pipe Sizing

Pipe Size	Maximum GPM
1/2"	4
3/4"	7
1"	13
1 1/4"	30
1 1/2"	45

Mainline Pipe Sizing

Pipe Size	Maximum GPM
3/4"	8
1"	12
1 1/4"	22
1 1/2"	30
2"	45

Filter, Valve & Pressure Regulator Sizing

	Flow Range in GPM	Unit Size
Electric Valve	Up to 15	3/4"
	Up to 20	1"
	Up to 60	1 1/2"
	Up to 100	2"
Disk Filter (120 Mesh)	Up to 18	3/4"
	Up to 26	1"
	Up to 53	1.5" (Super)
	Up to 120	2"
Pressure Regulator (35 psi)	0.5 to 5	3/4" Low Flow
	3.5 to 20	3/4"
	7 to 35	1 1/2"
	15 to 80	2" Model 4

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