

N E T A F I M

UniRam Heavywall Dripperline

**The
Ultimate
Solution
for
Drip
Irrigation**



Applications and Specifications

Thirty-seven years of Netafim experience shows itself - UniRam is the most advanced technology available today. Developed for extremely poor water quality and rolling terrains, UniRam's dripper design maximizes uniformity, making it the ultimate solution for sub-surface applications. For the fourth consecutive decade, Netafim leads the way with this revolutionary product.

Applications

- For sub-surface applications
- For Agriculture, Greenhouse & Nursery, Landscape and Wastewater
- Ideal for high frequency irrigation in undulating terrain
- For poor water-quality conditions

Specifications

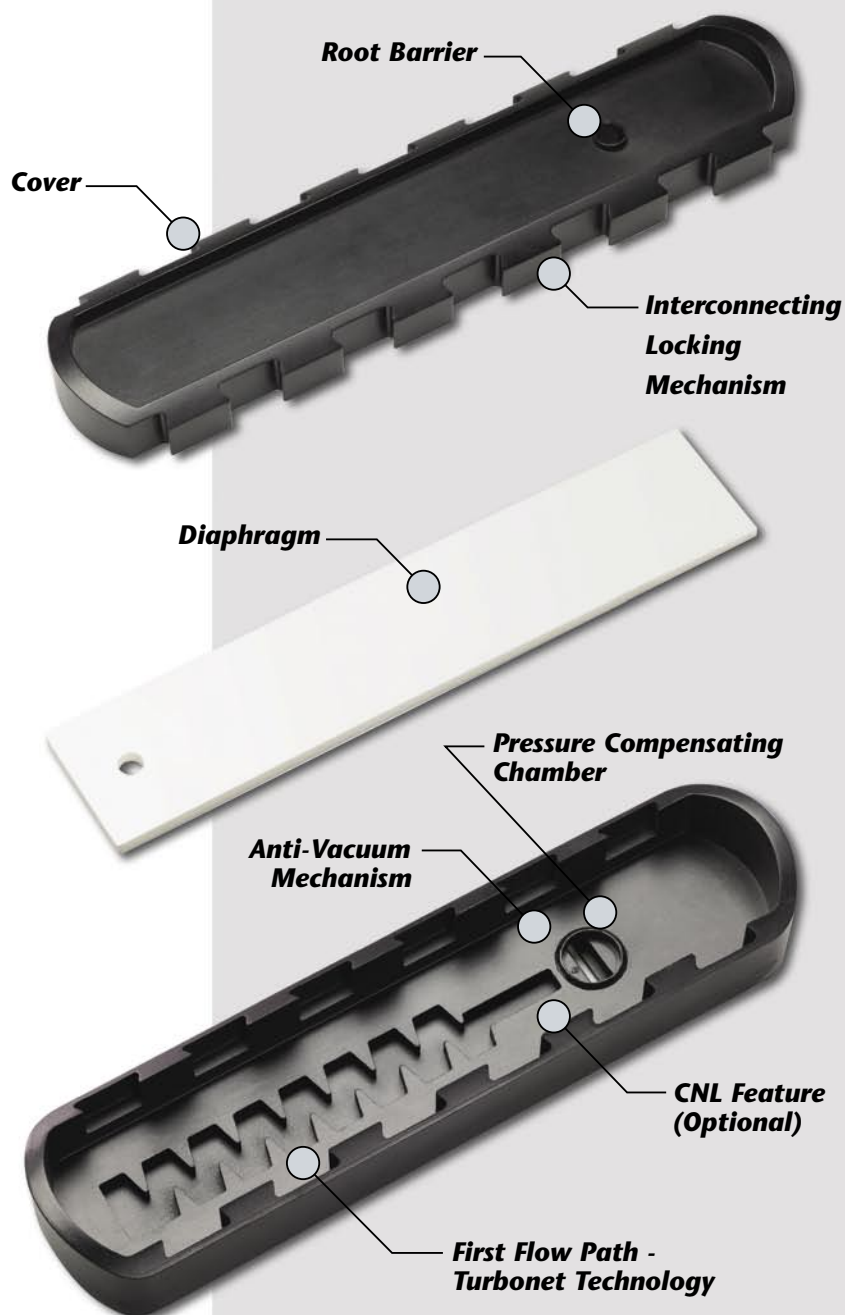
Inside diameter: .540" (16mm, 45 mil)
 .620" (18mm, 45 mil)
 .690" (20mm, 48 mil)

Nominal flow rates (GPH): 0.26, 0.4, 0.6, 0.9

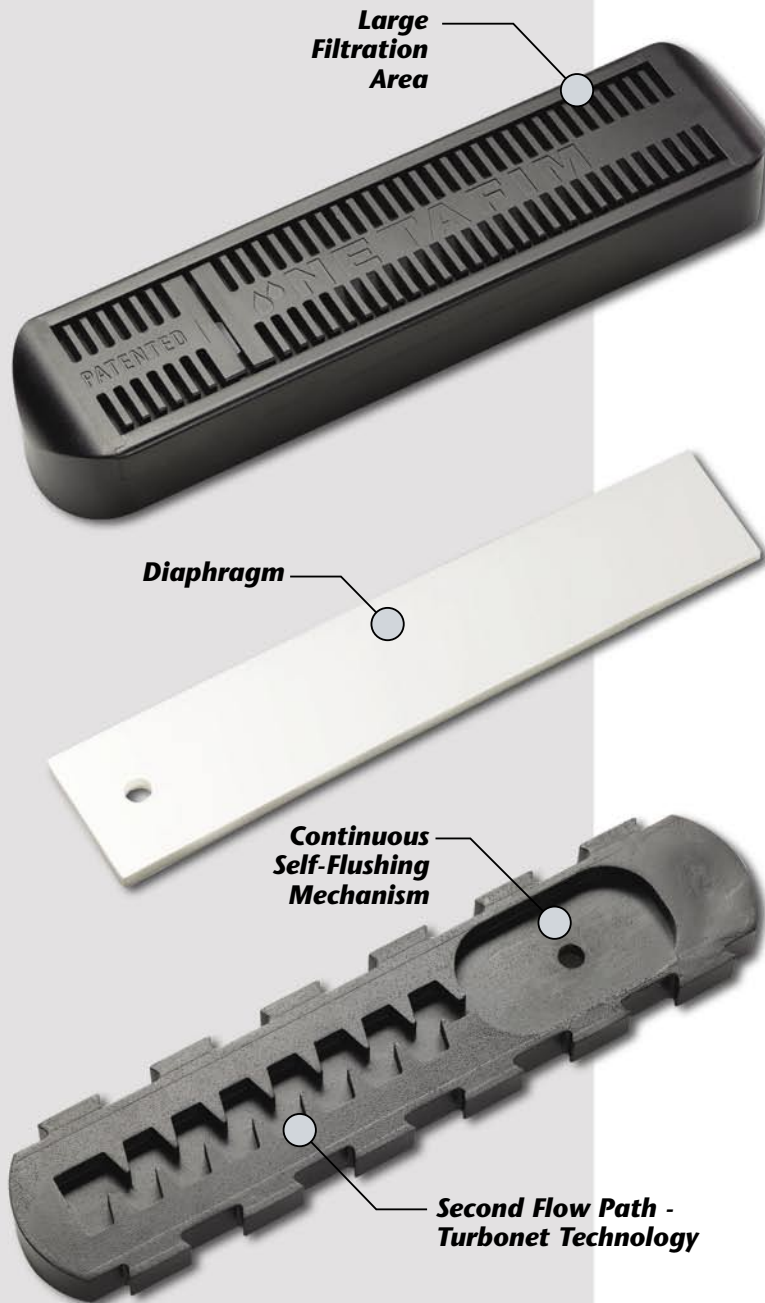
Common spacings: 12", 16", 24", 30", 36",
 42.25", 48"

Operating pressure: 7 to 60 psi

Recommended filtration: 120 mesh



Product Advantages



Anti-Vacuum Mechanism

Built-in root intrusion barrier and anti-vacuum mechanism prevents suction of dirt into the dripperline, providing the critical protection you need against dripper plugging.

Wide Compensating Range

Wide compensating range maintains a constant uniform flow — longer runs and steep terrains are irrigated with high uniformity.

Exclusive Non-Leakage (CNL) Mechanism - Optional

Prevents system drainage when pressure is turned off at the end of each irrigation cycle. Ensures uniform water distribution during pulse irrigation.

Wide Flow Path - Ultimate Clog Resistance

Operates in extremely poor water quality conditions - designed with two wide flow paths allowing larger particles to pass through, preventing plugging.

- Self-flushing mechanism continuously flushes dripper during operation.
- Anti-sand feature prevents sand sediments from entering flow path.

Root Intrusion Barrier

Prevents roots from penetrating the dripper's mechanism. Ideal for sub-surface irrigation.

Large Filtration Area

Entire base of the UniRam dripper is made of filter inlets - flushing large particles from the dripper, eliminating clogging and maintaining an essential supply of water for uninterrupted operation.

Diaphragm

Made of chemical-resistant silicon.

TURBONET

Commonly used turbulent drippers have overlapping tooth patterns, easily catching debris.

Turbonet Technology

Improves dripper performance by widening the tooth pattern, maximizing flow path velocity, allowing contaminants to pass easily through the dripper, virtually eliminating plugging.

UniRam Technical Information

DRIPPER FLOW PATH DIMENSIONS

Dripper	Length	Depth	Width	Filter	Filtration Area
.4	1.57	.028	.047	.024	.025
.6	1.57	.039	.047	.024	.020

PACKAGING DATA

Tubing I.D.	Mil	Reel Length	Weight
.540	45	1,000'	35 lbs
.620	45	1,000'	40 lbs
.690	48	1,000'	47 lbs

20 coils per pallet.

UNIRAM 540 16mm RECOMMENDED RUN LENGTHS

		Spacing Between Drippers										
	Inlet Pressure (psi)	8"	12"	16"	18"	20"	24"	30"	35"	40"	50"	60"
0.40 GPH	30	236	345	446	492	541	630	758	880	955	1142	1309
	45	282	410	532	587	643	750	906	1050	1142	1362	1565
	60	318	460	594	663	722	843	1020	1181	1286	1535	1762
0.60 GPH	30	187	272	351	387	427	495	597	695	755	899	1033
	45	223	322	417	463	509	594	715	830	902	1076	1240
	60	250	360	469	518	571	666	804	932	1014	1210	1394

UNIRAM 620 18mm RECOMMENDED RUN LENGTHS

		Spacing Between Drippers										
	Inlet Pressure (psi)	8"	12"	16"	18"	20"	24"	30"	35"	40"	50"	60"
0.40 GPH	30	285	410	528	584	640	741	886	1020	1109	1037	1506
	45	341	492	630	695	761	882	1060	1224	1329	1575	1801
	60	386	551	709	786	856	994	1190	1375	1496	1771	2034
0.60 GPH	30	226	325	417	459	505	584	699	810	875	1037	1191
	45	269	387	495	548	600	699	837	817	1050	1243	1427
	60	302	433	558	617	676	784	942	1086	1181	1404	1604

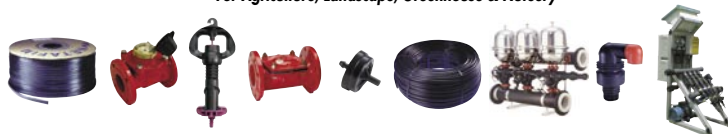
UNIRAM 690 20mm RECOMMENDED RUN LENGTHS

		Spacing Between Drippers										
	Inlet Pressure (psi)	8"	12"	16"	18"	20"	24"	30"	35"	40"	50"	60"
0.40 GPH	30	469	636	826	902	980	1125	1325	1516	1634	1912	2172
	45	558	786	984	1079	1175	1345	1591	1817	1958	2293	2605
	60	627	882	1109	1217	1322	1519	1791	2067	2208	2588	2940
0.60 GPH	30	390	518	650	715	774	889	1050	1197	1292	1512	1719
	45	440	617	781	856	928	1066	1286	1437	1548	1818	2064
	60	495	696	896	981	1043	1197	1417	1617	1749	2047	2329

Netafim USA – Delivering Total Growing Solutions

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For Agriculture, Landscape, Greenhouse & Nursery



For more information call Netafim USA
Customer Service at (888) 638-2346.