

# MegaNet™ 15D

Unique encapsulated and protected impact sprinkler with low water trajectory angle - 15degrees, for field crops and under canopy irrigation.



Uniform Wetting & Higher Yield



Insect protected



Anti-Clogging

Applications



Windy open field crop & vegetable irrigation



Under canopy irrigation as Banana



Orchards frost mitigation & cooling

## / Benefits & Features

- **Uniform wetting & higher yield**

MegaNet™ 15D has symmetric structure allows the water split to two equal water jets, that contribute to a balanced sprinkler, providing very high water distribution uniformity

The lower trajectory angle of the water prevents evaporation to the air in areas with winds
- **Anti-Clogging**

Unique integral filter inside the MegaNet™ ensures clean water inside the nozzle. This filter can be easily cleaned if needed
- **Insect protected**

Innovative encapsulated design with unique pop-up mechanism, that opens only during operation, extends the life of the nozzle and other moving parts by preventing insects and dirt particles from obstructing the sprinkler
- **Increased germination percentage**

MegaNet™ provides gentle water jet, and relatively small drops near the ground and does not groove the soil along the whole irrigation event (including startup and shut off), which prevents from the seed to be exposed out of the soil
- **Reduced labor cost and reduced maintenance**

Versatile installation. Can be installed on solid sets or on removable field stands

Long-term reliable service, simple, modular parts, clog resistant design

MegaNet™ is made of superior raw material makes it resistant to agrochemicals & weather conditions

# Specifications & Recommendations

- ✓ Unique impact sprinkler with low trajectory angle for full coverage installation with spacing up to 10x12 meters
- ✓ 7 different flow rates: 200, 250, 350, 450, 550, 650, 750l/h
- ✓ Nominal flow rate at: 2.3bar
- ✓ Recommended pressure range: 2.0 - 3.0bar
- ✓ Water Trajectory angle: 15degrees
- ✓ Nozzle Protection:
  - Integral filter at the inlet of the sprinkler
  - Pop up mechanism: For insect penetration protection
- ✓ Water distribution using a special rotating turbine and two identical symmetrical nozzles
- ✓ 3 types of inlet connectors:
  - 1/2" male threaded
  - 20mm ISO inlet connector (to be glued to PVC)
  - 1/2" ASTM inlet connector (to be glued to PVC)
- ✓ 2 body types:
  - Standard
  - Anti darin Valve
- ✓ Color coded for easy identification:
  - Cap is color coded according to the flow rate
  - Locking pin for 15D model is white
- ✓ Made of UV-protected materials, durable to all climate conditions and nutrients injected in agricultural applications
- ✓ MegaNet™ sprinklers meet ISO 8026 standards (SI 1406) with production certified by the Israel Standards Institute (SII)
- ✓ Recommended filtration\*: 400mic. / 40mesh

\*Note: Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100ppm, pre-treatment shall be applied according to Netafim™ instructions

## → Technical Data

Nozzle Size (mm)	Code Color	Working Pressure (bar)	Flow Rate (l/h)	Wetted Diameter* (m)	Precipitation (mm/h)						
					Spacing (m x m)						
					7 x 8	8 x 8	8 x 10	9 x 9	10 x 10	10 x 11	10 x 12
1.85	Yellow	2.5	210	14.0	3.8	3.3	2.6	2.6	2.1	1.9	1.8
		3.0	230	14.0	4.1	3.6	2.9	2.8	2.3	2.1	1.9
2.06	Purple	2.5	258	14.0	4.6	4.0	3.2	3.2	2.6	2.3	2.2
		3.0	283	14.0	5.1	4.4	3.5	3.5	2.8	2.6	2.4
2.44	Green	2.5	362	14.0	6.5	5.7	4.5	4.5	3.6	3.3	3.0
		3.0	396	14.0	7.1	6.2	5.0	4.9	4.0	3.6	3.3
2.79	Blue	2.5	461	16.0	8.2	7.2	5.8	5.7	4.6	4.2	3.8
		3.0	505	16.0	9.0	7.9	6.3	6.2	5.1	4.6	4.2
3.08	Brown	2.5	553	16.0	9.9	8.6	6.9	6.8	5.5	5.0	4.6
		3.0	605	16.0	10.8	9.5	7.6	7.5	6.1	5.5	5.0
3.37	Orange	2.5	678	16.0	12.1	10.6	8.5	8.4	6.8	6.2	5.7
		3.0	743	16.0	13.3	11.6	9.3	9.2	7.4	6.8	6.2
3.68	Red	2.5	785	17.0	14.0	12.3	9.8	9.7	7.9	7.1	6.5
		3.0	860	17.0	15.4	13.4	10.8	10.6	8.6	7.8	7.2

\* at least 0.5mm/h

\*\*Performance table prepared under laboratory conditions, sprinkler head 1.0meter above ground

CU = or > than 92%

CU = or > 88% and < 92%

CU = or > 86% and < 88%

CU < 86%

## → Packaging Data

MegaNet™	Quantity P/ Box Units	Box Size (cm x cm x cm)	Box Weight (kg)	Boxes P/Pallet	Total Units P/Pallet	Pallet Weight (kg)
Head only	200	18 x 34 x 79	11.0	20	4000	232


→ MegaNet™ 15D Head Only

Model & Nozzle Color	1/2" Threaded Inlet Connector	20mm ISO Inlet Connector	1/2" ASTM Inlet Connector	1/2" Threaded Inlet Connector + AD
				
200 / Yellow	63600-004900			63600-004910
250 / Purple	63600-004950			
350 / Green	63600-005000		63600-010300	63600-005010
450 / Blue	63600-006000	63600-010100	63600-010500	63600-006010
550 / Brown	63600-007000	63600-010200	63600-010600	
650 / Orange	63600-008000			
750 / Red	63600-009000			


Missing catalog numbers available upon request

→ MegaNet™ 15D Components


MegaNet™ Top

	Model & Nozzle Color	Catalog Number
	200 / Yellow	63620-007400
	250 / Purple	63620-007450
	350 / Green	63620-007500
	450 / Blue	63620-007600
	550 / Brown	63620-007700
	650 / Orange	63620-007800
	750 / Red	63620-007620


MegaNet™ Complete Upper Body

	Model & Nozzle Color	Catalog Number
	200 / Yellow	63620-008900
	250 / Purple	63620-008950
	350 / Green	63620-009000
	450 / Blue	63620-009100
	550 / Brown	63620-009200
	650 / Orange	63620-009300
	750 / Red	63620-009400

MegaNet™ Colored Cap

	Model & Nozzle Color	Product Description	Catalog Number
	200 / Yellow	MGN CAP YELLOW 200 50/BAG	63620-004860
	250 / Purple	MGN CAP PURPLE 250 50/BAG	63620-004910
	350 / Green	MGN CAP GREEN 350 50/BAG	63620-005010
	450 / Blue	MGN CAP BLUE 450 50/BAG	63620-005110
	550 / Brown	MGN CAP BROWN 550 50/BAG	63620-005210
	650 / Orange	MGN CAP ORANGE 650 50/BAG	63620-005310
	750 / Red	MGN CAP RED 750 50/BAG	63620-005410


MegaNet™ 1/2" Threaded Inlet Body

	63620-004200
---	--------------

MegaNet™ C20mm ISO Glued Inlet Body

	63620-004190
---	--------------

MegaNet™ C1/2" ASTM Glued Inlet Body

	63620-004150
---	--------------

MegaNet™ Filter

	63620-004400
---	--------------


MegaNet™ Service Key

	63620-004500
---	--------------


MegaNet™ Road Guard

	63620-007000
---	--------------









### MegaNet™ Turbine

	<b>Product Description</b>
	MGN TURBINE B GREY TURBINE 50/BAG
	<b>50 Units/Bag</b>
	63620-002110

### MegaNet™ Locking Pin Turbine

	<b>product description</b>
	MGN LOCKING PIN GREY B 50/BAG
	<b>50 Units/Bag</b>
	63620-001610

## → Sprinklers Stands & Complementary Products

Product Illustration	Description	Catalog Number
<b>Vegetable Stand</b>		
	IMP SPRINKLER STAND 9*12 120CM W/O STK F&S PE	64520-004900
	IMP SPRINKLER STAND 9*12 120CM W/O STK F&S FLX	64520-004910
<b>NetaStand™ Base</b>		
	BASE NETASTAND™ FEMALE THREAD ½"-24/CAR: BASE FOR ½" RISER <b>Order by box:</b> 1 box contain 24 units	60101-000900
	BASE NETASTAND™ FEMALE THREAD ¾" 24/CAR: BASE FOR ¾" RISER. <b>Order by box:</b> 1 box contain 24 units	60101-000901
<b>Riser</b>		
	MEGA-RISER ½"-0.4MLENGTH - ½" MTH - ½" FTH	64520-002490
	PLASTIC RISER ¾" MALE FEMALE THREAD 40CM COMPLETE	60101-000650
<b>Adapters For NetaStand™ PE</b>		
	NETASTAND™ ADAPTOR PE 50MM	60101-000935
	NETASTAND™ ADAPTOR PE 63MM	60101-000936
<b>Pre-Cut FlexNet™ And Adaptors For NetaStand™ FlexNet™</b>		
	NETASTAND™ 9M FXN HPPP 2" W/ 2"CONC 120 SETS/PALLET	60101-000964
	NETASTAND™ 10M FXN HPPP 2" W/2"CONC 120 SETS/PALLET	60101-000965
	NETASTAND™ 12M FXN HPPP 2" W/2"CONC 120 SETS/PALLET	60101-000966
	NETASTAND™ PLUG	60101-000953

For additional information on sprinklers stands and assembly instructions please review "Sprinklers Stands" section