# MegaNet™ 24D

**Unique encapsulated and protected impact sprinkler with high water trajectory angle - 24 degrees, for field crops and vegetable irrigation.**





Uniform Wetting & Higher Yield

Insect Protected

Anti-Clogging

Applications

Open field crop & vegetable irrigation

Crop germination

Orchards frost mitigation & cooling

## Benefits & Features

### Uniform wetting & higher yield

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

### 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 full coverage installation with spacing up to 10X12 meters
- **7 different flow rates:** 200, 250, 350, 450, 550, 650, 750 L/H
- **Nominal flow rate at:** 2.3 bar
- **Recommended pressure range:** 2.0 - 3.0 b bar
- **Water Trajectory angle:** 24 Degrees
- **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:**
  - ½" male threaded
  - 20 MM ISO inlet connector (to be glued to PVC)
  - ½" 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 24D model is black
- 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*:** 400 micron / 40 mesh

***Note:** Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, 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 | 11.0 | 3.6 | 3.3 | | | | | |
| | | 3.0 | 230 | 11.0 | 3.8 | 3.6 | | | | | |
| 2.06 | PURPLE | 2.5 | 258 | 12.0 | 4.4 | 4.0 | | | | | |
| | | 3.0 | 283 | 12.0 | 4.8 | 4.4 | | | | | |
| 2.44 | GREEN | 2.5 | 362 | 14.0 | 5.9 | 5.6 | 4.5 | 4.4 | 3.6 | | |
| | | 3.0 | 396 | 14.0 | 6.5 | 6.2 | 5.0 | 4.9 | 4.0 | | |
| 2.79 | BLUE | 2.5 | 461 | 17.0 | 8.1 | 7.2 | 5.8 | 5.7 | 4.6 | 4.2 | 3.9 |
| | | 3.0 | 505 | 17.0 | 8.7 | 7.9 | 6.3 | 6.2 | 5.0 | 4.6 | 4.2 |
| 3.08 | BROWN | 2.5 | 553 | 18.0 | 10.0 | 8.6 | 6.9 | 7.2 | 5.5 | 5.0 | 4.6 |
| | | 3.0 | 605 | 18.0 | 10.1 | 9.5 | 7.6 | 7.5 | 6.1 | 5.5 | 5.1 |
| 3.37 | ORANGE | 2.5 | 678 | 18.0 | 11.5 | 10.6 | 8.5 | 8.4 | 6.8 | 6.2 | 5.7 |
| | | 3.0 | 743 | 18.0 | 12.3 | 11.6 | 9.3 | 9.2 | 7.4 | 6.8 | 6.2 |
| 3.68 | RED | 2.5 | 785 | 18.0 | 13.4 | 12.3 | 9.8 | 9.7 | 7.9 | 7.1 | 6.6 |
| | | 3.0 | 860 | 19.0 | 15.0 | 13.4 | 10.7 | 10.6 | 8.6 | 7.8 | 7.2 |

* at least 0.5 mm/h
**Performance table prepared under laboratory conditions, sprinkler head 1.0 meter 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™ 24D HEAD ONLY

| MODEL & NOZZLE COLOR | 1/2" THREADED INLET CONNECTOR | 1/2" THREADED INLET CONNECTOR + AD |
|---|---|---|
| |  |  |
| 200 / YELLOW | 63600-001700 | 63600-001720 |
| 250 / PURPLE | 63600-001750 | |
| 350 / GREEN | 63600-001000 | 63600-001900 |
| 450 / BLUE | 63600-002000 | 63600-002010 |
| 550 / BROWN | 63600-003000 | 63600-003010 |
| 650 / ORANGE | 63600-004000 | 63600-004010 |
| 750 / RED | 63600-004500 | 63600-004510 |

Missing catalog numbers available upon request

## → MegaNet™ 24D COMPONENTS

### MegaNet™ TOP



| MODEL & NOZZLE COLOR | CATALOG NUMBER |
|---|---|
| 200 / YELLOW | 63620-008100 |
| 250 / PURPLE | 63620-008150 |
| 350 / GREEN | 63620-008200 |
| 450 / BLUE | 63620-008300 |
| 550 / BROWN | 63620-008400 |
| 650 / ORANGE | 63620-008500 |
| 750 / RED | 63620-008600 |

### MegaNet™ COMPLETE UPPER BODY



| MODEL & NOZZLE COLOR | CATALOG NUMBER |
|---|---|
| 200 / YELLOW | 63620-009700 |
| 250 / PURPLE | 63620-009750 |
| 350 / GREEN | 63620-009800 |
| 450 / BLUE | 63620-009900 |
| 550 / BROWN | 63620-010000 |
| 650 / ORANGE | 63620-010100 |
| 750 / RED | 63620-010200 |

### MegaNet™ 1/2" THREADED INLET BODY



63620-004200

### MegaNet™ FILTER



63620-004400

### MegaNet™ ROAD GUARD



63620-007000

### MegaNet™ SERVICE KEY



63620-004500

### MegaNet™ LOCKING PIN TURBINE



| PRODUCT DESCRIPTION |
|---|
| MGN LOCKING PIN BLACK A 50/BAG |
| 50 UNITS/BAG |
| 63620-001510 |

### MegaNet™ TURBINE



| PRODUCT DESCRIPTION |
|---|
| MGN TURBINE A1 BLACK TURBINE 50/BAG |
| 50 UNITS/BAG |
| 63620-002010 |



| PRODUCT DESCRIPTION |
|---|
| MGN TURBINE B GREY TURBINE 50/BAG |
| 50 UNITS/BAG |
| 63620-002110 |

### MegaNet™ COLORED CAP



| MODEL | | CATALOG NUMBER |
|---|---|---|
| 200 | MGN CAP YELLOW 200 50/BAG | 63620-004860 |
| 250 | MGN CAP PURPLE 250 50/BAG | 63620-004910 |
| 350 | MGN CAP GREEN 350 50/BAG | 63620-005010 |
| 450 | MGN CAP BLUE 450 50/BAG | 63620-005110 |
| 550 | MGN CAP BROWN 550 50/BAG | 63620-005210 |
| 650 | MGN CAP ORANGE 650 50/BAG | 63620-005310 |
| 750 | MGN CAP RED 750 50/BAG | 63620-005410 |

## ⟶ COMPLEMENTARY PRODUCTS

| PRODUCT ILLUSTRATION | DESCRIPTION | CATALOG NUMBER |
|---|---|---|
|  | SOCKET ½"–½" FEMALE-FEMALE THREAD | 65080-004500 |
|  | SPRINKLER ADAPTER 1" & ¾" TO ½" FEAMLE-FEAMLE THREAD | 60101-000501 |

## ⟶ SPRINKLER STANDS

### VEGETABLE STAND

| PRODUCT ILLUSTRATION | DESCRIPTION | CATALOG NUMBER |
|---|---|---|
|  | IMP SPR STAND 9*12 120CM W/O STK F&S PE | 64520-004900 |
|  | IMP SPR STAND 9*12 120CM W/O STK F&S FLX | 64520-004910 |

### MegaStand™

| PRODUCT ILLUSTRATION | DESCRIPTION | CATALOG NUMBER |
|---|---|---|
|  | MEGA-RISER ½"- 0.4 M LENGTH - ½" MTH - ½" FTH | 64520-002490 |
|  | MEGA-SUPPORTING ARM | 64520-002485 |
|  | MEGA-BASE | 64520-002480 |

### NetaStand™

| PRODUCT ILLUSTRATION | DESCRIPTION | CATALOG NUMBER |
|---|---|---|
|  | BASE NetaStand™ FEAMLE THREAD ½"-24/CAR: BASE FOR ½" RISER **Order by box:** 1 box contain 24 units | 60101-000900 |
|  | MEGA-RISER ½"- 0.4 M LENGTH - ½" MTH - ½" FTH | 64520-002490 |
|  | 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 |