

# VibroNet™

A bridge-free micro-emitter for germination applications in greenhouses with superior water distribution uniformity.



Superior uniformity



Bridge-free micro-emitter



Self cleaning

Applications



Upside down germination

## / Benefits & Features

- **Excellent water distribution uniformity for high germination efficiency**

The VibroNet™ is designed to provide very gentle droplets with perfect water distribution uniformity to increase germination efficiency
- **Keep your crop from drips damage**

Drip-less Micro-Sprinkler – VibroNet™ is designed as a bridge-free micro-emitter, preventing drips on the germination tables located below to prevent damages

Controlled start & stop operation – With the Reliable anti-drain (AD) valves, all the VibroNet micro-emitter, start and stop simultaneously, and prevent distribution pipe drainage and dripping
- **Constantly self-cleaning**

The operation of the VibroNet™ is based on vibration, water passage through the nozzle causes needle vibration which in turn breaks up the water jet into uniform droplets that are evenly spread. The vibrating system does not allow for build up of mineral deposits in the nozzle
- **Durability and low maintenance**

High quality & resistant – Made of a highest quality material makes it durable and resistant to standard agrochemicals and nutrients and resistant to acid treatments

The components are interchangeable. Flushing for maintenance can be done easily

# Specifications & Recommendations

- ✓ 2 different flow rates: 40, 50l/h
- ✓ Nominal flow rate at: 3.0bar
- ✓ Recommended pressure range: 3.0 - 4.0bar
- ✓ 1 types of inlet connector: press fit, male inlet
- ✓ Nozzle color coded for easy identification of the flow rate
- ✓ Filtration recommendations: 130mic. / 120mesh

\*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

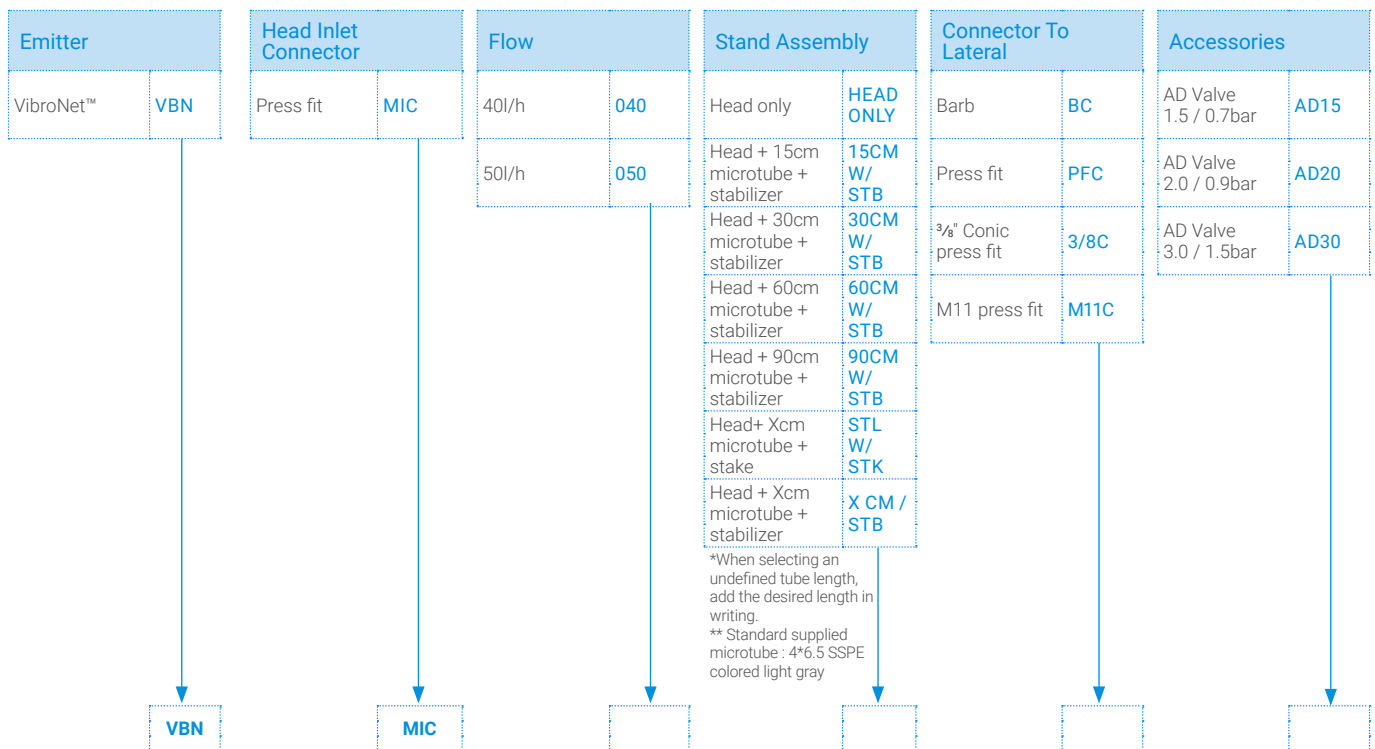
Model	Flow Rate (l/h)*	Regulation Chamber Code Color	Pin Code Color	Nozzle Water Passages Area (mm <sup>2</sup> )	Recommended Working Pressure (bar)	Constant K	Exponent* X	Wetted Diameter 150cm Above Ground* (m)
040	40.0	Blue	Grey	0.60	3.0	8.6	0.45	4.0
050	47.0	Green	Grey	0.71	3.0	9.5	0.47	4.0

\* at 3.0bar working pressure

## → Ordering Information

Flowchart to determine the desired product definition

**How to use:** To determine the desired product definition select one of every set of options displayed on the chart.



## → Packaging Data

SuperNet™ LR & LRD	Qty. 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	3,200	28 x 28 x 57	19.2	32	102,400	614
Complete stand, 15 cm tube w/stabilizer + Ad valve	250	28 x 28 x 57	15.1	32	8,000	484
Complete stand, 30 cm tube w/stabilizer + Ad valve	200	28 x 28 x 57	15.0	32	6,400	480
Complete stand, 60 cm tube w/stabilizer + Ad valve	150	18 x 34 x 79	11.5	20	3,000	230
Complete stand, 90 cm tube w/stabilizer + Ad valve	200	28 x 27 x 113	15.0	16	3,200	240

## → VibroNet™ Catalog Numbers

Model	Head Only			Head + AD Valve 20	
	1 Unit	25 Unit/Bag	100 Unit/Bag	1 Unit	25 Unit/Bag
040	64300-001000	64300-001010	64300-001030	64300-001070	64300-001080
050	64300-005000	64300-005010	64300-005030	64300-005100	64300-005110

→ **VibroNet™, UD Stand, LR Green Swivel, Barb Connector**

**How to use:** Replace **X** with: flow rate / **Y** with: AD valve type

**BC** = Barb connector to lateral

		Flow Rate (l/h)	AD 15	AD 20
Tube Length: 15cm	Code Master VBN UD LR <b>X</b> L/H 15 CM STABILIZER BC ADV <b>Y</b>  Example VBN UD LR <b>050</b> L/H 15 CM STABILIZER BC ADV <b>15</b>	040	64300-001300	64300-001700
		050		
Tube Length: 30cm	Code Master VBN UD LR <b>X</b> L/H 30 CM STABILIZER BC ADV <b>Y</b>  Example VBN UD LR <b>050</b> L/H 30 CM STABILIZER BC ADV <b>15</b>	040	64300-002100	64300-002500
		050		
Tube Length: 60cm	Code Master VBN UD LR <b>X</b> L/H 60 CM STABILIZER BC ADV <b>Y</b>  Example VBN UD LR <b>050</b> L/H 60 CM STABILIZER BC ADV <b>20</b>	040	64300-003100	64300-003500
		050		
Tube Length: 90cm	Code Master VBN UD LR <b>X</b> L/H 90 CM STABILIZER BC ADV <b>Y</b>  Example VBN UD LR <b>050</b> L/H 90 CM STABILIZER BC ADV <b>20</b>	040		
		050		
Tube Length: 120cm	Code Master VBN UD LR <b>X</b> L/H 120 CM STABILIZER BC ADV <b>Y</b>  Example VBN UD LR <b>050</b> L/H 120 CM STABILIZER BC ADV <b>20</b>	040		64300-004000
		050		64300-005150

- Missing catalog numbers available upon request

- Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

→ **VibroNet™, UD Stand, LR Green Swivel, Press-Fit Connector**

**How to use:** Replace **X** with: flow rate / **Y** with: AD valve type

**PFC** = Press fit to lateral

	Flow Rate (l/h)	AD 15	AD 20
Tube Length: 15cm	040	64300-001300	64300-001700
	050		
Code Master VBN UD LR <b>X</b> L/H 15 CM STABILIZER PFC ADV <b>Y</b>			
	Example VBN UD LR <b>050</b> L/H 15 CM STABILIZER PFC ADV <b>15</b>		
Tube Length: 30cm	040	64300-002100	64300-002500
	050		
Code Master VBN UD LR <b>X</b> L/H 30 CM STABILIZER PFC ADV <b>Y</b>			
	Example VBN UD LR <b>050</b> L/H 30 CM STABILIZER PFC ADV <b>15</b>		
Tube Length: 60cm	040	64300-003100	64300-003500
	050		
Code Master VBN UD LR <b>X</b> L/H 60 CM STABILIZER PFC ADV <b>Y</b>			
	Example VBN UD LR <b>050</b> L/H 60 CM STABILIZER PFC ADV <b>20</b>		
Tube Length: 90cm	040		
	050		
Code Master VBN UD LR <b>X</b> L/H 90 CM STABILIZER PFC ADV <b>Y</b>			
	Example VBN UD LR <b>050</b> L/H 90 CM STABILIZER PFC ADV <b>20</b>		
Tube Length: 120cm	040		64300-004000
	050		64300-005150
Code Master VBN UD LR <b>X</b> L/H 120 CM STABILIZER PFC ADV <b>Y</b>			
	Example VBN UD LR <b>050</b> L/H 120 CM STABILIZER PFC ADV <b>20</b>		

- Missing catalog numbers available upon request

- Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

→ **VibroNet™, UD Stand, LR Green Swivel, 3/8C**

**How to use:** Replace **X** with: flow rate / **Y** with: AD valve type

**3/8C** = 3/8 connector to lateral


	Flow Rate (l/h)	AD 15	AD 20
Tube Length: 15cm	040	64300-001400	64300-001800
	050		
<p><b>Code Master</b>                      VBN UD LR <b>X</b> L/H                      15 CM STABILIZER 3/8C ADV <b>Y</b></p> <p><b>Example</b>                      VBN UD LR <b>050</b> L/H                      15 CM STABILIZER 3/8C ADV <b>15</b></p>			
Tube Length: 30cm	040	64300-002200	64300-002600
	050		
<p><b>Code Master</b>                      VBN UD LR <b>X</b> L/H                      30 CM STABILIZER 3/8C ADV <b>Y</b></p> <p><b>Example</b>                      VBN UD LR <b>050</b> L/H                      30 CM STABILIZER 3/8C ADV <b>15</b></p>			
Tube Length: 60cm	040	64300-003200	64300-003600
	050		
<p><b>Code Master</b>                      VBN UD LR <b>X</b> L/H                      60 CM STABILIZER 3/8C ADV <b>Y</b></p> <p><b>Example</b>                      VBN UD LR <b>050</b> L/H                      60 CM STABILIZER 3/8C ADV <b>20</b></p>			
Tube Length: 90cm	040		
	050		
<p><b>Code Master</b>                      VBN UD LR <b>X</b> L/H                      90 CM STABILIZER 3/8C ADV <b>Y</b></p> <p><b>Example</b>                      VBN UD LR <b>050</b> L/H                      90 CM STABILIZER 3/8C ADV <b>20</b></p>			
Tube Length: 120cm	040		
	050		
<p><b>Code Master</b>                      VBN UD LR <b>X</b> L/H                      120 CM STABILIZER 3/8C ADV <b>Y</b></p> <p><b>Example</b>                      VBN UD LR <b>050</b> L/H                      120 CM STABILIZER 3/8C ADV <b>20</b></p>			

- Missing catalog numbers available upon request

- Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

→ **VibroNet™ Components**


**VibroNet™ Body**

	Catalog Number
	64320-003000

**VibroNet™ "O" Ring**

	Catalog Number
	1 Unit 63520-005700

**VibroNet™ Nozzle Mechanism**

	<b>040 Blue + Gray Pin</b> 64320-004300
	<b>050 Green + Gray Pin</b> 64320-004400