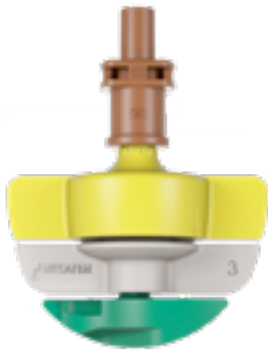


SpinNet™ SD

A bridge-free micro-sprinkler, for upside-down irrigation, with unique design for superior water distribution uniformity for tunnels as a single line irrigation.



Superior uniformity



Bridge-free micro-sprinkler



Multiple configurations

Applications



Upside-down irrigation



Single line irrigation

/ Benefits & Features

→ High and uniform yield

Superior water distribution uniformity for full coverage irrigation. Achieved thanks to the unique design of the SpinNet™ micro-sprinkler and the SD device (Shoulder Distribution). SpinNet™ SD is available in a variety of rotors and nozzles that provide different flow rates, and different water profiles to fit completely the plant and structure needs. The Shoulder Distribution provides a high level of uniformity within a closely spaced "strip of sprinklers"

Shadow-less operation - Assure a uniform irrigation even below the emitter itself

→ Keep your crop from drips damage

Drip-less micro-sprinkler - SpinNet™ SD is designed as a bridge-free micro-sprinkler, preventing drips on the plants located below in a upside-down irrigation to avoid plant damages

Controlled start & stop operation – With the Reliable anti-drain (AD) valves, all the SpinNet micro-sprinklers, start and stop simultaneously, and prevent distribution pipe drainage and dripping

→ Durability and low maintenance

High quality & resistant. Made of a highest quality material makes it durable and resistant. The integration of acid resistant plastics enables the use of acid treatment, standard agrochemicals and nutrients

Easy to maintain - The components are interchangeable. Flushing for maintenance can be done easily. The SpinNet™ SD components can be disassembled manually, no tools needed

Specifications & Recommendations

- ✓ 6 Models: 090/050, 120/070, 160/070, 160/090, 200/090, 200/120l/h
- ✓ The nominal flow is the lower number in model's name. Nominal flow achieved in 2.0bar
- ✓ Pressure range: 2.0 to 3.0bar (at the sprinkler head)
- ✓ Inlet connection: Press fit
- ✓ 3 different rotors:
 - LR - Long Range. High trajectory angle, green rotor
 - FLT – Flat distribution, grey rotor
 - SR - Short Range Low trajectory angle, blue rotor
- ✓ Color coded nozzles & SD devices for easy flow identification
- ✓ SpinNet™ SD micro-sprinklers meet ISO 8026 standards (SI 1406) with production certified by the Israel Standards Institute (SII)
- ✓ 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	Nozzle Code Color + Nozzle Size (mm)		Sd Code Color + SD Size (mm)		Rec. Working Pressure (bar)	Constant K	Exponent X	Wetted Diameter With LR Green Swivel (1.8m Above Surface) (m)	Wetted Diameter With FLT Flat Swivel (1.8m Above Surface) (m)	Wetted Diameter With SR Blue Swivel (1.8m Above Surface) (m)
090/050	Orange	1.22	Orange	1.20	2.0 to 3.0	11.6	0.5	N/A	N/A	5.5
120/070	Red	1.44	Red	1.46	2.0 to 3.0	15.2	0.5	8.5	7.0	5.5
160/070	Brown	1.76	Brown	1.46	2.0 to 3.0	17.7	0.5	7.5	6.5	5.5
160/090		1.76		1.56	2.0 to 3.0	19.7	0.5	8.0	6.5	6.0
200/090	Yellow	1.86	Yellow	1.56	2.0 to 3.0	20.6	0.5	7.5	6.0	5.5
200/120		1.86		1.87	2.0 to 3.0	27.5	0.5	9.0	7.0	6.5

* Wetted diameter defined be applacation rate equal or above 0.26mm/h

→ 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.

Emitter		Dispersion De-flector		Head Inlet Connector		Flow		Stand Assembly		Connector To Lateral		Accessories	
SpinNet™SD	SPNTSD	High trajectory	LR	Press fit	MIC	90/50l/h	050	Head only	HEAD ONLY	Barb	BC	AD Valve 1.5 / 0.7bar	AD15
		Flat distribution	FLT			120/70l/h	070	Head + 15cm microtube + stabilizer	15CM W/STB	Press fit	PFC	AD Valve 2.0 / 0.9bar	AD20
		Low trajectory	SR			160/70l/h	090	Head + 30cm microtube + stabilizer	30CM W/STB	3/8" Conic press fit	3/8C		
						160/90l/h	105	Head + 60cm microtube + stabilizer	60CM W/STB	M11 press fit	M11C		
						200/90l/h	120	Head + 90cm microtube + stabilizer	90CM W/STB				
						200/120l/h	160						




*When selecting an undefined tube length, add the desired length in writing.

* Standard supplied microtube : 4x6.5 SSPE colored light grey




→ Packaging Data

SpinNet™	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 & SD connector	1250	18 x 34 x 79	12.9	20	25000	268
Complete stand (30 cm) w/stabilizer & AD valve	150	28 x 28 x 57	11.5	32	4800	368
Complete stand (60 cm) w/stabilizer & AD valve	100	18 x 34 x 79	8.4	20	2000	176

→ Catalog Numbers For SpinNet™ Head Only

Model	Nozzle Color	SD Code Color	SpinNet™ SD LR, Green Swivel		SpinNet™ SD FLT, Grey Swivel		SpinNet™ SD SR, Blue Swivel	
								
			1 Unit	100 units/bag	1 Unit	100 units/bag	1 Unit	100 units/bag
090/050	Orange	Orange					64200-031950	
120/070	Red	Red	64200-010750	64200-010760	64200-001250	64200-001255	64200-032000	64200-032010
160/070	Brown	Red	64200-012250		64200-001460		64200-032950	
160/090	Brown	Brown	64200-013950	64200-013960	64200-001600		64200-033000	64200-033010
200/090	Yellow	Brown	64200-014090	64200-014120	64200-001780	64200-001785	64200-033100	
200/120	Yellow	Yellow	64200-014720		64200-001840		64200-034000	

→ Catalog Numbers For SpinNet™ Head + AD Valve

Model	Nozzle Color	SD Code Color	SpinNet™ SD LR, Green Swivel		SpinNet™ SD FLT, Grey Swivel		SpinNet™ SD SR, Blue Swivel	
								
			1 Unit	100 units/bag	1 Unit	100 units/bag	1 Unit	100 units/bag
090/050	Orange	Orange						
120/070	Red	Red	64200-010800	64200-010805	64200-001300	64200-001302	64200-032020	64200-032030
160/070	Brown	Red			64200-001490			
160/090	Brown	Brown	64200-014000	64200-014005	64200-001650		64200-033020	64200-033030
200/090	Yellow	Brown	64200-014100		64200-001800	64200-001805		
200/120	Yellow	Yellow	64200-018700		64200-001850	64200-001855		

→ SpinNet™ SD, 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

	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm Code Master SPNT SD UD LR X L/H 15 CM STABILIZER BC ADV Y Example SPNT SD UD LR 050 L/H 15 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 30cm Code Master SPNT SD UD LR X L/H 30 CM STABILIZER BC ADV Y Example SPNT SD UD LR 050 L/H 30 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 60cm Code Master SPNT SD UD LR X L/H 60 CM STABILIZER BC ADV Y Example SPNT SD UD LR 050 L/H 60 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 90cm Code Master SPNT SD UD LR X L/H 90 CM STABILIZER BC ADV Y Example SPNT SD UD LR 050 L/H 90 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		

- 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.

→ SpinNet™ SD, 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

	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm	Code Master SPNT SD UD LR X L/H 15 CM STABILIZER PFC ADV Y	090/050	Orange	Orange	
	Example SPNT SD UD LR 050 L/H 15 CM STABILIZER PFC ADV 15	120/070	Red	Red	
		160/070	Brown	Red	
		160/090	Brown	Brown	
		200/090	Yellow	Brown	
		200/120	Yellow	Yellow	
Tube Length: 30cm	Code Master SPNT SD UD LR X L/H 30 CM STABILIZER PFC ADV Y	090/050	Orange	Orange	
	Example SPNT SD UD LR 050 L/H 30 CM STABILIZER PFC ADV 15	120/070	Red	Red	
		160/070	Brown	Red	
		160/090	Brown	Brown	
		200/090	Yellow	Brown	
		200/120	Yellow	Yellow	
Tube Length: 60cm	Code Master SPNT SD UD LR X L/H 60 CM STABILIZER PFC ADV Y	090/050	Orange	Orange	
	Example SPNT SD UD LR 050 L/H 60 CM STABILIZER PFC ADV 20	120/070	Red	Red	
		160/070	Brown	Red	
		160/090	Brown	Brown	
		200/090	Yellow	Brown	
		200/120	Yellow	Yellow	
Tube Length: 90cm	Code Master SPNT SD UD LR X L/H 90 CM STABILIZER PFC ADV Y	090/050	Orange	Orange	
	Example SPNT SD UD LR 050 L/H 90 CM STABILIZER PFC ADV 20	120/070	Red	Red	
		160/070	Brown	Red	
		160/090	Brown	Brown	
		200/090	Yellow	Brown	
		200/120	Yellow	Yellow	

- 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.

→ SpinNet™ SD, UD Stand, FLT Grey Swivel, Barb Connector

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

BC = Barb connector to lateral

	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm Code Master SPNT SD UD FLT X L/H 15 CM STABILIZER BC ADV Y Example SPNT SD UD FLT 050 L/H 15 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 30cm Code Master SPNT SD UD FLT X L/H 30 CM STABILIZER BC ADV Y Example SPNT SD UD FLT 050 L/H 30 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 60cm Code Master SPNT SD UD FLT X L/H 60 CM STABILIZER BC ADV Y Example SPNT SD UD FLT 050 L/H 60 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 90cm Code Master SPNT SD UD FLT X L/H 90 CM STABILIZER BC ADV Y Example SPNT SD UD FLT 050 L/H 90 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		

- 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.

→ SpinNet™ SD, UD Stand, FLT Grey Swivel, Press-Fit Connector

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

PFC = Press fit to lateral

	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm Code Master SPNT SD UD FLT X L/H 15 CM STABILIZER PFC ADV Y Example SPNT SD UD FLT 050 L/H 15 CM STABILIZER PFC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 30cm Code Master SPNT SD UD FLT X L/H 30 CM STABILIZER PFC ADV Y Example SPNT SD UD FLT 050 L/H 30 CM STABILIZER PFC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 60cm Code Master SPNT SD UD FLT X L/H 60 CM STABILIZER PFC ADV Y Example SPNT SD UD FLT 050 L/H 60 CM STABILIZER PFC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 90cm Code Master SPNT SD UD FLT X L/H 90 CM STABILIZER PFC ADV Y Example SPNT SD UD FLT 050 L/H 90 CM STABILIZER PFC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		

- 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.

→ SpinNet™ SD, UD Stand, SR Blue Swivel, Barb Connector

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

BC = Barb connector to lateral

	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm Code Master SPNT SD UD SR X L/H 15 CM STABILIZER BC ADV Y Example SPNT SD UD SR 050 L/H 15 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 30cm Code Master SPNT SD UD SR X L/H 30 CM STABILIZER BC ADV Y Example SPNT SD UD SR 050 L/H 30 CM STABILIZER BC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 60cm Code Master SPNT SD UD SR X L/H 60 CM STABILIZER BC ADV Y Example SPNT SD UD SR 050 L/H 60 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 90cm Code Master SPNT SD UD SR X L/H 90 CM STABILIZER BC ADV Y Example SPNT SD UD SR 050 L/H 90 CM STABILIZER BC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		

- 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.

→ SpinNet™ SD, UD Stand, SR Blue Swivel, Press-Fit Connector

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

PFC = Press fit to lateral


	Model	Nozzle Color	SD Code Color	AD 15	AD 20
Tube Length: 15cm Code Master SPNT SD UD SR X L/H 15 CM STABILIZER PFC ADV Y Example SPNT SD UD SR 050 L/H 15 CM STABILIZER PFC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 30cm Code Master SPNT SD UD SR X L/H 30 CM STABILIZER PFC ADV Y Example SPNT SD UD SR 050 L/H 30 CM STABILIZER PFC ADV 15	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 60cm Code Master SPNT SD UD SR X L/H 60 CM STABILIZER PFC ADV Y Example SPNT SD UD SR 050 L/H 60 CM STABILIZER PFC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		
Tube Length: 90cm Code Master SPNT SD UD SR X L/H 90 CM STABILIZER PFC ADV Y Example SPNT SD UD SR 050 L/H 90 CM STABILIZER PFC ADV 20	090/050	Orange	Orange		
	120/070	Red	Red		
	160/070	Brown	Red		
	160/090	Brown	Brown		
	200/090	Yellow	Brown		
	200/120	Yellow	Yellow		

- 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.

→ SpinNet™ SD Components

SpinNet™ Body Nozzle

	Model & Nozzle Color	Catalog Number
	90 / Orange	64220-004100
	120 / Red	64220-004200
	160 / Brown	64220-004250
	200 / Yellow	64220-004300