

Technical Data

Toro >

> LPS Series Sprays



DESCRIPTION:

Dimensions

- Diameter of the nozzle holder: 30 mm
- Ring nut diameter: 41 mm
- Connection: 13 mm female

Technical specifications and features

- Radius: 0,6 ÷ 7,9 m
- Operating pressure range: 1,4 ÷ 3,5 bar
- Optimal TVAN nozzle pressure: 2,1 bar
- Supply pressures 0 ÷ 0,7 bar or higher
- Infinitely adjustable 0° ÷ 360°
- Nozzles identifiable from the top with different colors

Features and Benefits

- **Pressure operated sealing gasket**
It reduces the supply pressure during the excursion of the turret, protecting the mechanism from debris during the operations of returning to the body of the sprinkler
- **Return spring in stainless steel**
This resistant spring ensures a perfect retraction of the turret into the sprinkler body
- **Easy grip**
Easy-grip nozzles for easy adjustment, wet or dry
- **Removable components**
Nozzle, filter and internal components can be easily removed for cleaning and maintenance
- **Compatible with all 570Z nozzles**
Available with pre-installed Toro Variable Angle Nozzles (TVAN), Precision™ Series (variable throw) or Precision™ Series rotating nozzles

Code	Description	Pop-up height cm	Tvan nozzle	Throw mt	Coupling F	Box
OIS149	LPS fixed sprinklers	5,0	8	2,4	½"	100
OIS150	LPS fixed sprinklers	5,0	10	3,0	½"	100
OIS152	LPS fixed sprinklers	5,0	12	3,6	½"	100
OIS155	LPS fixed sprinklers	5,0	15	4,5	½"	100
OIS157	LPS fixed sprinklers	5,0	17	5,2	½"	100
OIS179	LPS fixed sprinklers	10,0	8	2,4	½"	50
OIS180	LPS fixed sprinklers	10,0	10	3,0	½"	50
OIS182	LPS fixed sprinklers	10,0	12	3,6	½"	50
OIS185	LPS fixed sprinklers	10,0	15	4,5	½"	50
OIS187	LPS fixed sprinklers	10,0	17	5,2	½"	50

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> 570 Series Sprays



DESCRIPTION:

Dimensions

- Diameter of the nozzle holder:
35 mm for nozzle holders 2P, 3P, 4P, 6P e 6P SI
41 mm for nozzle holders 12P
45 mm for nozzle holders 12P SI
- Ring nut diameter: 50 mm
- Connection: 13 mm female
- Side attachment: 120 mm from the top of the sprinkler to the lateral attachment axis

Technical specifications

- Radius: 0,6 ÷ 7,9 m
- Operating pressure range (570Z): 1,4 ÷ 5,2 bar
- Operating pressure range (570ZLP): 1,0 ÷ 5,2 bar
- Optimal static nozzle pressure: 2,1 bar
- Optimal pressure of the rotating nozzles: 2,8 ÷ 3,5 bar
- Flow range: 0,2 ÷ 17,0 l/min

Exclusive features

- Return spring in stainless steel
- Low pressure seal on LP models at 1,0 bar for low pressure pumps and sump systems
- All nozzle holders are shipped with a pre-installed drain plug

Features and Benefits

- **Sand guard gasket that allows the turret to be ejected without loss of water**
It allows the removal of the turret without loss of water and allows the use of multiple nozzles in the same sector
- **One-piece check valve**
Easy to install in the factory or in the field. The valve retains a pressure originating from a 3 m difference in height
- **Heavy duty or low pressure return spring**
To choose the spring that best meets the specific needs of the site; the range is completed by the new low-pressure model 570ZLP that allows for ejection and re-entry at low pressures
- **Ring nut**
It allows easy and reliable adjustment of the working angle on pop-up models
- **Small bezel diameter 50 mm**
Not very visible, it reduces damage from encumbrance and vandalism

Code	Description	Pop-up height cm	570 model	Coupling F	Box
OIS011	570 fixed sprinklers only body	5,0	2P	½"	100
OIS001	570 fixed sprinklers only body	7,5	3P	½"	100
OIS002	570 fixed sprinklers only body	10,0	4P	½"	50
OIS013	570 fixed sprinklers only body With check valve		4P COM	½"	1
OIS003	570 fixed sprinklers only body	15,0	6P	½"	1
OIS021	570 fixed sprinklers only body Base and side coupling		6 PSI	½"	1
OIS004	570 fixed sprinklers only body	30,0	12P	½"	1
OIS010	570 fixed sprinklers only body Base and side coupling		12 PSI	½"	1
OIS040	570 fixed sprinklers only body	10,0	4P XF	½"	1
OIS041	570 fixed sprinklers only body	15,0	6P- XF	½"	1
OIS042	570 fixed sprinklers only body	30,0	12P XF	½"	1

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> 570 MPR Nozzles for Sprays



DESCRIPTION:

Specifications

- Flow range: 0,2 ÷ 17 l/min
- Optimum operating pressure: 2 bar

- Recommended pressure range: 1,4 ÷ 3,5 bar
- Max pressure: 5,2 bar

Features

- Homogeneous and proportional water distribution that ensures all nozzles (whatever the working angle and the chosen throw) to keep the ratio between the water emitted and the surface covered constant
- The low water consumption allows you to install multiple sprinklers in the same sector
- The PCD pressure control device normalizes consumption and avoids excessive pulverization of the water; available pre-installed or separately
- Type easily identifiable by the different colors
- Full range of working angles - full circle, 3/4, 2/3, 1/2, 1/3 and 1/4 circle
- Excellent involvement of the area subjected: the precise design of the sector of the circle concerned and the respect of the edges of the same allow for excellent uniformity, considerable water savings and the best possible containment of the jet within the limits of the area to be irrigated
- Screw for precise and stable adjustment of range and flow
- The nozzles with a standard range of 1,5 m can be adjusted to produce ranges of 1 m
- Normal and special configurations
- Models for small areas
 - Complete set of working angles for 3 m, 2,4 m and 1,5 m range nozzles
 - 1,2 x 5,5 m ideal for shallow areas such as central reservation and parking lots
 - 0,6 x 1,8 m ideal for small planted areas and other narrow areas
- 5 different trajectory levels
- Practical packaging: the nozzles and filters are packaged separately but in attached bags
- New fine mesh filter: prevents low flow nozzles from clogging
- The adjustment screw allows you to reduce the throw by up to 25%: it can be tightened until the nozzle is deactivated

Model

Box

570 standard fixed angle type
5-8-10-12-15-special

25

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Bar	Coverage		CIRCULAR SECTOR NOZZLES									
			 5 series Trajectory 0°		 8 series Trajectory 5°		 10 series Trajectory 12°		 12 series Trajectory 23°		 15 series Trajectory 27°	
			Q l/min	Rad. m	Q l/min	Rad. m	Q l/min	Rad. m	Q l/min	Rad. m	Q l/min	Rad. m
1,5		90°	0,22	1,3	0,69	2,2	1,20	2,8	1,58	3,4	2,69	4,3
2,0		90°	0,33	1,5	0,88	2,4	1,48	3,0	1,85	3,6	3,15	4,5
2,5		90°	0,41	1,6	0,96	2,5	1,75	3,2	2,13	3,8	3,67	4,8
3,0		90°	0,49	1,7	1,02	2,6	2,03	3,5	2,31	4,0	4,19	4,9
3,5		90°	0,58	1,8	1,11	2,8	2,30	3,7	2,39	4,0	4,71	4,9
2,07 ÷ 2,76	PC	90°	0,34	1,5	0,83	2,4	1,25	3,0	1,82	3,7	2,84	4,6
2,76 ÷ 5,18	PC	90°	0,38	1,5	0,95	2,4	1,40	3,0	2,01	3,7	3,07	4,6

1,5		120°	0,30	1,3	0,92	2,2	1,66	2,8	2,26	3,4	3,70	4,2
2,0		120°	0,44	1,5	1,11	2,4	1,93	3,0	2,67	3,6	4,11	4,5
2,5		120°	0,55	1,6	1,28	2,5	2,28	3,2	3,08	3,8	4,64	4,7
3,0		120°	0,66	1,7	1,42	2,6	2,59	3,5	3,43	3,9	5,12	4,7
3,5		120°	0,77	1,8	1,53	2,8	2,87	3,7	3,70	4,0	5,53	4,7
2,07 ÷ 2,76	PC	120°	0,45	1,5	1,10	2,4	1,67	3,0	2,42	3,7	3,79	4,6
2,76 ÷ 5,18	PC	120°	0,49	1,5	1,33	2,4	1,89	3,0	2,65	3,7	4,16	4,6

1,5		180°	0,44	1,3	1,49	2,3	2,34	2,8	3,69	3,4	5,37	4,1
2,0		180°	0,69	1,5	1,84	2,4	2,65	3,0	4,07	3,6	6,14	4,5
2,5		180°	0,81	1,6	2,08	2,5	3,02	3,2	4,62	3,8	7,12	4,8
3,0		180°	0,92	1,7	2,29	2,6	3,40	3,4	5,25	4,1	7,81	4,9
3,5		180°	1,03	1,8	2,48	2,8	3,79	3,5	5,94	4,3	8,13	4,9
2,07 ÷ 2,76	PC	180°	0,68	1,5	1,67	2,4	2,50	3,0	3,63	3,7	5,68	4,6
2,76 ÷ 5,18	PC	180°	0,76	1,5	1,89	2,4	2,84	3,0	4,00	3,7	6,25	4,6

1,5		240°	0,63	1,3	2,21	2,2	2,86	2,8	4,46	3,4	7,02	4,3
2,0		240°	0,91	1,5	2,60	2,4	3,57	3,0	5,36	3,6	8,17	4,5
2,5		240°	1,06	1,6	2,89	2,5	3,98	3,1	5,91	3,8	9,42	4,8
3,0		240°	1,20	1,7	3,13	2,6	4,28	3,3	6,40	3,9	10,31	4,9
3,5		240°	2,03	1,8	3,35	2,8	4,53	3,4	6,86	4,0	10,80	4,9
2,07 ÷ 2,76	PC	240°	0,87	1,5	2,23	2,4	3,40	3,0	4,85	3,7	7,57	4,6
2,76 ÷ 5,18	PC	240°	1,02	1,5	2,65	2,4	3,79	3,0	5,30	3,7	8,33	4,6

1,5		270°	0,82	1,3	2,47	2,2	3,25	2,8	4,31	3,3	8,28	4,1
2,0		270°	1,06	1,5	2,83	2,4	3,85	3,0	5,68	3,6	9,65	4,5
2,5		270°	1,22	1,6	3,11	2,5	4,32	3,1	6,10	3,8	10,79	4,7
3,0		270°	1,37	1,7	3,35	2,6	4,74	3,3	6,44	3,9	11,89	4,8
3,5		270°	2,03	1,8	3,54	2,8	5,15	3,4	6,86	4,0	12,98	4,9
2,07 ÷ 2,76	PC	270°	0,98	1,5	2,42	2,4	3,75	3,0	5,45	3,7	8,71	4,6
2,76 ÷ 5,18	PC	270°	1,10	1,5	2,65	2,4	4,13	3,0	6,06	3,7	9,47	4,6

1,5		360°	1,03	1,3	2,97	2,2	4,45	2,7	6,67	3,4	11,29	4,1
2,0		360°	1,39	1,5	3,69	2,4	5,50	3,0	8,09	3,6	13,34	4,5
2,5		360°	1,60	1,6	4,16	2,5	5,92	3,1	8,67	3,8	15,05	4,8
3,0		360°	1,81	1,7	4,58	2,6	6,41	3,3	9,36	3,9	16,40	4,9
3,5		360°	2,03	1,8	4,96	2,8	7,07	3,4	10,32	4,0	17,45	4,9
2,07 ÷ 2,76	PC	360°	1,33	1,5	3,22	2,4	5,04	3,0	7,27	3,7	11,36	4,6
2,76 ÷ 5,18	PC	360°	1,48	1,5	3,79	2,4	5,72	3,0	7,95	3,7	12,49	4,6

SPECIAL NOZZLES		
Coverage	Q l/min	Config. W x D (m)
	1,48	1,0 x 3,8
	1,68	1,2 x 4,5
	1,89	1,4 x 5,1
	2,10	1,6 x 5,7
	2,29	1,9 x 6,1
PC	1,63	1,2 x 4,4
PC	1,89	1,2 x 4,4

	2,94	1,0 x 7,6
	3,35	1,2 x 9,0
	3,74	1,2 x 9,1
	4,10	1,2 x 9,3
	4,43	1,2 x 9,5
PC	3,26	1,2 x 9,1
PC	3,79	1,2 x 9,1

	3,92	2,7 x 5,5
	4,47	2,7 x 5,5
	4,97	2,7 x 5,9
	5,45	2,8 x 6,3
	5,92	3,1 x 6,8
PC	4,16	2,7 x 5,5
PC	4,54	2,7 x 5,5

	2,63	1,2 x 7,6
	3,31	1,2 x 9,0
	3,74	1,2 x 9,5
	4,10	1,3 x 9,9
	4,43	1,5 x 10,1
PC	3,33	1,2 x 9,1
PC	3,79	1,2 x 9,1

	0,31	0,6 x 1,6
	0,34	0,6 x 1,8
	0,36	0,6 x 2,0
	0,41	0,7 x 2,1
	0,46	0,9 x 2,1
PC	0,34	0,6 x 1,8
PC	0,38	0,6 x 1,8

	1,80	1,2 x 5,2
	2,05	1,2 x 5,5
	2,27	1,2 x 5,7
	2,49	1,3 x 5,8
	2,71	1,5 x 5,8
PC	1,89	1,2 x 5,5
PC	2,23	1,2 x 5,5

Landscape

Technical Data

Toro >

> 570 TVAN Nozzles for Sprays



DESCRIPTION:

Technical specifications

- Radius: 2,4 ÷ 5,2 m
- Operating pressure range: 1,4 ÷ 3,5 bar
- Optimal pressure: 2,1 bar

Exclusive features

- Stainless steel adjustment screw: allows to reduce the range up to 25%
- The adjustment of the working angle of the nozzle opens from a fixed stop position on the left, indicated by an arrow at the top
- Compatibility with any threaded turret means that one family of nozzles will meet all your needs

Features and Benefits

- **Homogeneous water distribution**
It guarantees that all the nozzles of a given range category (MPR) keep the ratio between the water emitted and the surface covered constant
- **Unique Adjustment System: Tightens and turns, secure grip when adjusting**
Easy and quick adjustment of the arch, without the use of tools. Adjustments made from the top of the nozzle, during operation or dry
- **Infinitely adjustable 0° ÷ 360°**
The LVAN model offers a number of possibilities for setting the working angle for any type of terrain, with savings in warehouse space by responding to the needs of green spaces of any surface or shape
- **Five nozzles identifiable by different colors**
For quick and easy identification even when they are back in

Code	Model	Box
U124	570 TVAN nozzle - 8 A.R.30 - 360° 2,4 m	25
U120	570 TVAN nozzle - 10 A.R.30 - 360° 3,0 m	25
U121	570 TVAN nozzle - 12 A.R.30 - 360° 3,7 m	25
U122	570 TVAN nozzle - 15 A.R.30 - 360° 4,6 m	25
U123	570 TVAN nozzle - 17 A.R.30 - 360° 5,2 m	25

PERFORMANCE TABLE

P bar	Coverage																					
		8 series - Green				10 series - Blue				12 series - Brown				15 series - Black				17 series - Grey				
		Q l/m	Rad. mt	Prec. mm/h ▲ ■		Q l/m	Rad. mt	Prec. mm/h ▲ ■		Q l/m	Rad. mt	Prec. mm/h ▲ ■		Q l/m	Rad. mt	Prec. mm/h ▲ ■		Q l/m	Rad. mt	Prec. mm/h ▲ ■		
1,5		90°	1,3	2,2	74,4	64,5	1,8	2,8	63,6	55,1	3,0	3,4	71,9	62,3	3,9	4,6	51,1	44,2	4,6	4,9	53,1	46,0
2,0		90°	1,4	2,4	67,4	58,3	1,9	3,0	58,5	50,7	3,1	3,6	66,3	57,4	4,2	4,6	55,0	47,6	5,1	5,2	52,3	45,3
2,5		90°	1,6	2,6	65,6	56,8	2,3	3,0	70,8	61,3	3,8	3,8	72,9	63,2	4,9	4,8	58,9	51,0	5,8	5,4	55,1	47,7
3,0		90°	1,8	2,7	68,4	59,3	2,6	3,0	73,9	64,0	4,5	4,1	74,2	64,3	5,6	4,9	64,6	56,0	6,5	5,5	59,6	51,6
3,5		90°	1,9	2,7	72,2	62,6	2,8	3,0	86,2	74,7	4,8	4,3	71,9	62,3	6,1	4,9	70,4	61,0	7,0	5,5	64,1	55,5
1,5		180°	2,1	2,2	60,1	52,1	3,2	2,5	71,0	61,4	5,2	3,4	62,3	54,0	6,5	4,1	53,6	46,4	7,4	4,4	53,0	45,9
2,0		180°	2,4	2,4	57,7	50,0	3,6	2,7	64,6	56,0	5,7	3,6	60,9	52,8	7,1	4,5	48,6	42,1	8,0	5,1	42,6	36,9
2,5		180°	2,6	2,4	62,6	54,2	3,9	2,9	64,3	55,7	6,4	4,0	55,4	48,0	8,0	4,6	52,4	45,4	10,7	5,3	52,8	45,7
3,0		180°	2,8	2,5	62,1	53,8	4,3	3,0	66,2	57,3	7,1	4,3	53,2	46,1	8,8	4,6	57,6	49,9	10,7	5,3	52,8	45,7
3,5		180°	2,9	2,8	51,3	44,4	4,7	3,0	72,4	62,7	7,7	4,3	57,7	50,0	9,4	4,6	61,6	53,3	11,6	5,5	53,1	46,0
1,5		270°	3,2	2,2	61,1	52,9	4,5	2,5	66,5	57,6	7,4	3,2	66,8	57,8	8,6	3,8	55,0	47,6	9,9	4,2	51,9	44,9
2,0		270°	3,5	2,4	56,1	48,6	4,9	2,7	62,1	53,8	8,1	3,9	49,2	42,6	9,9	4,5	45,2	39,1	10,8	5,1	38,4	33,2
2,5		270°	3,8	2,4	61,0	52,8	5,6	2,9	61,5	53,3	9,4	4,2	49,2	42,6	10,9	4,6	47,6	41,2	12,7	5,2	43,4	37,6
3,0		270°	4,2	2,5	62,1	53,8	6,2	3,0	63,6	55,1	10,4	4,3	52,0	45,0	11,9	4,7	49,8	43,1	14,2	5,3	46,7	40,4
3,5		270°	4,6	2,8	54,2	46,9	6,7	3,0	68,8	59,5	10,9	4,3	54,5	47,2	12,9	4,9	49,6	43,0	15,40	5,5	47,0	40,7
1,5		360°	4,2	2,2	60,1	52,1	6,2	2,5	68,7	59,5	8,6	3,0	66,2	57,3	9,9	3,8	47,5	41,1	11,0	5,2	28,2	24,4
2,0		360°	4,8	2,4	57,7	50,0	6,9	2,7	65,6	56,8	10,0	3,8	48,0	41,6	11,8	4,5	40,4	35,0	12,8	5,5	29,3	25,4
2,5		360°	5,5	2,6	56,4	48,8	7,9	2,9	65,1	56,4	11,1	3,6	59,3	51,4	12,9	4,6	42,2	36,6	14,2	5,5	32,5	28,2
3,0		360°	6,1	2,7	58,0	50,2	8,8	3,0	67,8	58,7	12,1	3,5	68,4	59,3	14,0	4,7	43,9	38,0	15,6	5,5	35,7	30,9
3,5		360°	6,7	2,7	63,7	55,1	9,5	3,0	73,1	63,3	12,9	3,7	65,3	56,5	15,0	4,9	43,3	37,5	17,0	5,5	38,9	33,7

Bold = Optimal printhead performance is indicated in bold - Data based on 360°

Technical Data

Toro >

> Precision Series Nozzles for Sprays



DESCRIPTION:

Features and Benefits

- **Lower precipitation rates when compared with normal nozzles for sprays**
 - better definition of the arch to be irrigated
 - Reliable performance
- **H2O Chip Technology**
 - A patented system that distributes water more effectively and reaches the desired range with less flow
 - Wider selection of working angles for precise distribution
- **Lower precipitation rate - 25 mm per hour (even lower)**
 - Uses 1/3 of the flow rate normally used by conventional nozzles to reach a certain range, while still providing greater efficiency in the distribution of water
- **Non-movable elements**
 - They ensure stability at the ends of the working angle for a
- **Uniform droplet size**
 - The H2O chip generates larger and more uniform droplets, which results in greater irrigation efficiency on the working angle
 - Increases wind resistance
 - Minimizes involuntary irrigation of floors and any runoffs
- **Wider operating pressure range**
 - Excellent performance from 1,40 to 3,4 Bar
 - No loss in nebulization phenomena
- **Male and female threaded models**

Code	Model	Box
U085	Precision Spray male 90° - 53926	25
U086	Precision Spray male 180° - 53927	25
U087	Precision Spray male 360° - 53928	25
U088	Precision Spray female 90° - 53895	25
U089	Precision Spray female 180° - 53896	25
U090	Precision Spray female 360° - 53897	25

PERFORMANCE TABLE

P bar	Coverage		●				●				●				●				●			
			Rad. mt	Q l/min	Prec. mm/h	Prec. mm/h	Rad. mt	Q l/min	Prec. mm/h	Prec. mm/h	Rad. mt	Q l/min	Prec. mm/h	Prec. mm/h	Rad. mt	Q l/min	Prec. mm/h	Prec. mm/h	Rad. mt	Q l/min	Prec. mm/h	Prec. mm/h
2,1	90°		1,28	0,21	22,17	25,60	2,40	0,52	20,88	24,11	2,95	0,76	19,56	22,58	3,46	1,11	19,92	23,00	4,07	1,67	19,12	22,08
3,1			1,49	0,26	27,38	31,62	2,49	0,64	25,98	29,99	3,13	0,93	24,12	27,85	3,72	1,36	24,45	28,23	4,42	2,09	24,05	27,77
4,1			1,72	0,33	33,90	39,15	2,56	0,76	30,56	35,29	3,21	1,09	28,03	32,37	3,80	1,63	29,20	33,72	4,52	2,44	27,96	32,29
2,1	180°		1,22	0,39	20,21	23,34	2,34	1,02	20,63	23,82	2,93	1,53	19,72	22,77	3,25	2,11	18,90	21,83	4,03	3,43	19,70	22,75
3,1			1,49	0,50	26,08	30,11	2,44	1,26	25,47	29,41	3,09	1,85	23,96	27,67	3,69	2,60	23,32	26,92	4,18	4,23	24,27	28,02
4,1			1,66	0,62	31,94	36,89	2,48	1,49	30,05	34,70	3,18	2,16	27,87	32,18	3,72	3,02	27,05	31,24	4,27	4,87	27,96	32,29
2,1	360°		1,28	0,82	21,19	24,47	2,26	1,97	19,86	22,94	2,98	3,08	19,88	22,96	3,27	4,38	19,64	22,68	4,00	6,78	19,45	22,46
3,1			1,51	1,01	26,08	30,11	2,37	2,42	24,45	28,23	3,10	3,79	24,45	28,23	3,63	5,36	24,05	27,77	4,16	8,25	23,69	27,35
4,1			1,68	1,19	30,64	35,38	2,45	2,80	28,27	32,64	3,19	4,38	28,28	32,65	3,70	6,18	27,73	32,02	4,22	9,55	27,42	31,66

Landscape

Technical Data

Toro >

> Rotating Precision Series Nozzles for Sprays



DESCRIPTION:

Technical specifications

- Radius: $4,3 \div 7,9$ m
- Operating pressure: $1,4 \div 5,2$ bar
- Optimal pressure: $2,8 \div 3,5$ bar
- Flow rate: $1,4 \div 14$ l/min

Exclusive features

- 15 exclusive jets with different trajectories
- Maximum height with 20° trajectory to fight the wind
- Suitable for practically all brush heads and adapters (male or female)
- Pre-assembled filter for easy installation
- Throw reduction up to 25% by turning the set screw 90°
- Adjustable or full circle identifiable by color
- Water distribution = 14 mm/h on squared spacing
- The water distribution remains unchanged with the reduction of the range
- Homogeneous and proportional water distribution $4,3 \div 7,9$ m
- Homogeneous and proportional water distribution $1,4 \div 5,2$ bar
- Adjustable by hand or with the tool supplied
- The pressure does not affect the constant rotation speed

Features and Benefits

- **Turbine**
It uses a proven turbine rotation mechanism, a variable stator and a turbine for rotating the nozzle
- **Fewer models**
To obtain a throw in the arc from 4,3 m to 8,0 m and an angle between 45° and 360° , only two male threaded nozzles and two female threaded nozzles are required
- **Homogeneous and proportional water distribution of 14 mm/h**
These nozzles distribute water with a slower and more homogeneous precipitation rate than standard nozzles. The water distribution of 14 mm/h helps to avoid the excessive intervention times often set in the irrigation windows
- **Constant rotation speed**
The turbine rotation mechanism creates a constant rotation speed regardless of the system pressure and prevents the product from stopping at low pressure

Code	Model	Box
U183	Precision Rotating male 360° - PRN-TF	20
U182	Precision Rotating male 45° - 270° -PRN-TA	20
U187	Precision Rotating female 360° - PRN-F	20
U186	Precision Rotating female 45° - 270° -PRN-A	20

Technical Data

Toro >

PERFORMANCE TABLE

P bar	Coverage	Q l/min	Radius mt	Precipitation mm/h		Rotation speed (seconds)	
				■	▲		
1,7		45°	0,68	4,3	9,0	10,37	14,0
2,4		45°	0,95	4,9	9,6	11,03	13,5
3,1		45°	1,55	5,8	11,1	12,83	13,5
3,8		45°	1,74	6,1	11,2	12,99	13,0
4,5		45°	1,21	6,1	7,8	9,03	12,5
5,2		45°	1,32	6,7	7,1	8,17	12,0
1,7		90°	1,70	4,9	17,2	19,85	12,5
2,4		90°	2,04	5,8	14,6	16,89	12,3
3,1		90°	2,54	6,7	13,5	15,63	12,0
3,8		90°	2,84	7,0	13,9	16,01	11,8
4,5		90°	3,14	7,6	13,0	15,00	11,6
5,2		90°	3,37	7,9	12,9	14,87	11,4
1,7		120°	1,93	4,9	19,5	22,50	12,4
2,4		120°	2,88	6,1	18,6	21,46	12,0
3,1		120°	3,48	7,0	17,0	19,64	11,5
3,8		120°	3,79	7,3	17,0	19,61	11,3
4,5		120°	4,20	7,6	17,4	20,06	11,0
5,2		120°	4,47	7,6	18,5	21,32	10,6
1,7		180°	2,88	4,6	16,5	19,07	11,7
2,4		180°	3,94	5,8	14,1	16,27	11,4
3,1		180°	4,96	6,7	13,2	15,28	11,0
3,8		180°	5,53	7,0	13,5	15,58	10,5
4,5		180°	6,25	7,6	12,9	14,91	10,2
5,2		180°	6,70	7,9	12,8	14,78	10,0
1,7		240°	4,24	4,6	48,7	56,21	11,5
2,4		240°	5,49	5,8	39,3	45,36	11,2
3,1		240°	6,36	6,4	37,3	43,02	11,0
3,8		240°	7,15	6,7	38,2	44,10	10,5
4,5		240°	7,87	7,0	38,5	44,40	10,0
5,2		240°	8,52	7,3	38,2	44,11	9,5
1,7		270°	4,09	4,3	17,9	20,69	11,2
2,4		270°	5,19	5,5	13,7	15,88	11,0
3,1		270°	6,93	6,4	13,5	15,58	10,5
3,8		270°	8,06	6,7	14,3	16,52	10,0
4,5		270°	8,93	7,3	13,3	15,38	10,0
5,2		270°	9,88	7,6	13,6	15,68	9,5
1,7		360°	6,85	4,6	19,7	22,71	12,5
2,4		360°	8,90	5,8	15,9	18,38	12,3
3,1		360°	11,96	6,7	16,0	18,43	12,0
3,8		360°	13,55	7,0	16,5	19,11	11,0
4,5		360°	14,61	7,3	16,4	18,92	9,8
5,2		360°	15,82	7,6	16,4	18,88	9,5

Landscape