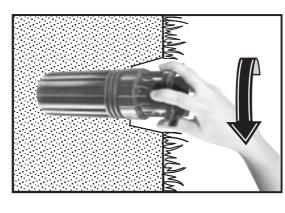
Service wrench

easy removal of the PopStar mechanism after its installation without digging Special service wrench for use by professionals for

of mechanism. nozzle replacement, rinsing of filter or replacement The wrench allows easy and efficient maintenance







Features

- Easy tool-free arc memory adjustment
- Effective close-to-sprinkler watering with no dry
- Sand protection for reliable operation
- Turbo-gear drive
- Unique rib structure prevents vandalism and enables quick and simple maintenance due to canister anchoring
- Unique wide water passages in nozzle prevent
- Diffuser screw adjusts watering range and drop size with up to 25% radius reduction
- precipitation rate at 90°, 180° & 360° Three interchangeable nozzles with matched
- Vandalism resistant, nozzle housing with slip
- Full two year warranty

Technical Specifications

- Operating pressure: 2.0-4.5 bar
- Pop-up clearance: 10 cm
- PopStar Plus 40°-360° • Irrigation arc: 30°-360°
- Flow rate: 140-1400 I/h

Nozzles: 2,3,4,6, 8,9

Maximum spacing between sprinklers: 12 m

Performance Tables

6					∞					6						4						ω							2						Nozzle						
4.5	4.0	3.5	3.0	2.5	2.0	1.5	4.5	4.0	3.5	3.0	2.5	2.0	1.5	4.5	4.0	3.5	3.0	2.5	2.0	1.5	4.5	4.0	3.5	3.0	2.5	2.0	1.5	4.5	4.0	3.5	3.0	2.5	2.0	1.5	3.5	3.0	2.5	2.0	1.5	bar	Pressure*
1.35	1.27	1.20	1.10	0.97	0.85	0.70	0.99	0.93	0.87	0.80	0.70	0.62	0.50	0.83	0.78	0.72	0.67	0.60	0.52	0.44	0.47	0.45	0.42	0.39	0.35	0.31	0.26	0.39	0.36	0.33	0.30	0.27	0.24	0.20	0.22	0.20	0.19	0.17	0.14	m³/h	Discharge
12.5	12.5	12.2	12.0	11.5	11.0	10.0	12.5	12.5	12.0	12.0	11.5	11.0	10.0	11.5	11.5	11.5	11.5	11.1	11.0	9.5	10.5	10.5	10.5	10.5	10.2	10.0	9.5	10.0	10.0	10.0	10.0	10.0	9.5	9.0	10.0	9.5	9.5	9.5	8.5	Max.	Radius (m)
9.0	9.0	8.5	8.5	8.0	7.0	6.5	9.0	9.0	9.0	9.0	8.5	8.5	8.0	8.0	8.0	8.0	8.0	7.5	7.5	6.5	6.0	6.0	6.0	5.5	5.5	5.0	5.0	6.5	6.5	6.5	6.5	6.5	6.5	5.5	7.0	7.0	6.0	6.0	5.5	Min.**	s (m)
10-14						10-12						8-12							5.5-10							51 00							5-8					Precipitation mm/h			

^{*} Recommended oprating pressure in shaded area

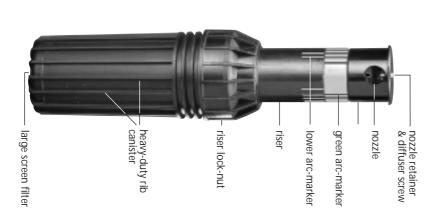
www.naandan.com Fax: 972-4-6953855 E-mail: export@naandan.com Dan site: Post Dan 12245, Israel Tel: 972-4-6953811 Fax: 972-8-9442190 E-mail: mkt@naandan.com Head Office: Post Naan 76829, Israel Tel: 972-8-9442180

NaanDan Irrigation Systems (C.S) Ltd.

rrigation Systems

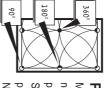
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Maintenance Instructions Installation, Operation and



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Maintenance Instructions Installation, Operation and



Positioning

nozzle, (see performance chart) full or Make sure that you are using the right part circle.

Select right nozzle size to match precipitation.

watering pattern (1/4 circle, 1/2 circle, etc.) Note! All nozzles can be used for any



Spacing

Sprinkler spacing is flexible and can vary between 5 m - 12 m

1

ensuring that nozzle is between them.

From now on sprinklers will "remember

required arc.

area, and green arc-markers to the left

to the right border of required irrigation irrigation area. Rotate lower arc-marker



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Aim nozzle at center of required

PopStar Plus



Digging and Installation

Dig a 30 cm hole.

20 mm x 0.5 m PE lateral or any swing joint. connector to threaded inlet. Connect PopStar to distribution line with a Teflon is not necessary, just hand-tighten

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Align green arc marker with the lower

Full-Circle Irrigation

arc marker.

cut off-riser to connect PopStar, at the For existing pipe system, use 3/4" threaded right level.

sprinkler will water 360° back and forth

markers and not above them. The

Note!! The nozzle must be outside arc-

Diffuser Screw

Replace nozzle clip

by pressing lightly.

water into fine droplets.

watering range and to break up the The diffuser screw is used to decrease



Surface Height

left-right setting. The **PopStar** has no limitations as to prior

sprinkler is exactly upright. Place the **PopStar** upright at surface level firmly. For best performance, ensure the Fill in hole and press surrounding earth

Arc Adjustment



Nozzle Adjustment

irrigation area by rotating sprinkler Aim nozzle at center of required



Nozzle Retainer Removal

Changing Nozzles

and remove the clip. slot between the nozzle clip and cover, Insert a small flathead screwdriver into



Rotate to Open

Open riser

internal mechanism. lock nut and remove



Adjustment of Arc-Markers

•

nozzle is between the two arc-markers of required irrigation area. Ensure that required irrigation area (left or right). Rotate Line up lower arc-marker to border of green arc-marker to the opposite border

1



Removal of Nozzle

step and remove nozzle. Press the screwdriver against nozzle





Remove and Rinse Filter

Press filter back in place Rinse the filter with water remove filter.





Nozzle step



Nozzle Replacement

nozzle step into niche in nozzle housing. Push new nozzle into place, and guide



Rotate to Close

lock nut firmly. mechanism and close



Return internal

Check Arc Adjustment

Check that PopStar is adjusted to required arc.

