

 TORO

PRECISION™ SERIES ROTATING NOZZLE SHRUB & SLOPE KIT



The new Toro® Precision™ Series Rotating Nozzle Shrub & Slope Kit delivers efficient irrigation in above ground settings, garden beds and nurseries. Pre-assembled out of the box, the kit features a highly efficient Precision™ Rotating Nozzle, 570ZSXF Shrub Riser and Precision™ Check Valve. The kit has a universal 15 mm NPT female inlet, making it a go-to solution for both new installs and retrofit projects.

FEATURES & BENEFITS

Efficient and Effective

The fully-assembled PRN Shrub & Slope Kit features a Precision™ Series Rotating Nozzle, which delivers a matched precipitation rate of 15.2 mm/hr; a 570ZSXF Shrub Riser with integrated water saving X-Flow® Technology; and a Precision™ Check Valve that provides up to 4.5 m of check height.

Water-Saving Features

The patented X-Flow® Technology built into the Shrub Riser prevents water waste by virtually eliminating the flow of water through the riser in the event the nozzle is removed. The spring-actuated Precision™ Check Valve provides an immediate check at system shut-off and eliminates low head drainage – a critical need in slope settings.

Flexibility of Design

Available with an Adjustable Arc nozzle that allows arc adjustments from 45° to 270°, or a 360° Full Circle nozzle, the PRN Shrub & Slope Kit is capable of meeting the details of any layout.



Toro Precision™ Series Rotating Nozzle (Full or Adjustable Arc)

Toro 570SXF Shrub Riser (Patented X-Flow Technology)

Toro Precision™ Check Valve (Eliminates Low Head Drainage)



Pre-installed adjustable or full circle **Precision™ Series Rotating Nozzle** delivers multiple wind resistant, low trajectory streams at a matched precipitation rate of 15.2 mm/hr.

Toro 570SXF

Shrub riser with patented X-Flow® Technology prevents water waste by eliminating 99.9% of the flow through the riser in the event the nozzle is removed. Ideal protection against vandalism and theft, or for maintenance convenience. (Flush lateral line before installing)

With a hold-back strength of up to 4.5 m, the Precision™ **Check Valve** is spring-activated and provides an immediate check at system shut-off, making it ideally suited for slope settings. 15 mm FxM NPT Thread.

SPECIFICATIONS

Operational

- Radius: 4.2-7.9 m (max radius at 500 kPa operating pressure)
- Operating pressure range: 275-500 kPa (use of the Precision™ Check Valve is not recommended on systems with an operating pressure of less than 275 kPa)
- Recommended operating pressure: 300 kPa
- 15 mm NPT Female inlet
- Check height: up to 4.5 m

Warranty

- Two years

Additional Features

- ✓ Maximum stream trajectory of 20° to help fight wind and minimise drift
- ✓ Radius reduction of up to 25% by turning set screw at top of nozzle
- ✓ Integrated X-Flow® Technology
- ✓ Pre-assembled for easy installation

PRECISION™ SERIES ROTATING NOZZLES PERFORMANCE DATA (ADJUSTABLE) 45° - 270°

Arc	Pressure (kPa)	Flow (Lpm)	Radius (m)	Precip. Rate	Precip. Rate
				■ (mm/h)	▲ (mm/h)
90°	275	2.35	6.25	14.48	16.76
	300	2.53	6.47	14.48	16.76
	350	2.86	6.88	14.48	16.76
	400	3.05	7.10	14.48	16.76
180°	275	4.62	6.25	14.22	16.51
	300	4.95	6.47	14.22	16.42
	350	5.57	6.89	14.19	16.22
	400	5.98	7.23	13.82	15.85
270°	275	6.13	5.79	14.48	16.76
	300	6.65	6.07	14.29	16.58
	350	7.64	6.59	13.97	16.24
	400	8.36	6.92	13.97	16.05

PRECISION™ SERIES ROTATING NOZZLES PERFORMANCE DATA (FULL)

Arc	Pressure (kPa)	Flow (Lpm)	Radius (m)	Precip. Rate	Precip. Rate
				■ (mm/h)	▲ (mm/h)
360°	275	9.69	6.37	14.22	16.51
	300	10.42	6.59	14.32	16.51
	350	11.77	7.00	14.48	16.53
	400	12.45	7.20	14.48	16.71

ORDERING INFORMATION

Model	Description
PRNTA-S-PCV	Adjustable Precision Rotating Nozzle Shrub & Slope kit, Adjustable 45°-270°
PRNTA-SE-PCV	Adjustable Precision Rotating Nozzle Shrub & Slope kit, Effluent, Adjustable 45°-270°
PRNTF-S-PCV	Adjustable Precision Rotating Nozzle Shrub & Slope kit, Full Circle
PRNTF-SE-PCV	Adjustable Precision Rotating Nozzle Shrub & Slope kit, Effluent, Full Circle