

Hunter®

PGP-ATR Rotary Sprinklers



PGP-ATR

**Easily
Upgrade
Impact
Sprinklers
to Modern
Gear Drive
Technology**

Looking for an easy maintenance, high performance alternative to the grit, contamination and tampering problems so common to impact sprinklers? Hunter introduces the easy way to upgrade your existing impact heads to modern gear drive technology — the Hunter Advanced Technology Impact Replacement (ATR). Now you can say goodbye to your inferior method of irrigation and say hello to the superior quality of the PGP.

The Hunter sprinkler that has become the industry standard and world's best selling rotor, PGP has been adapted into this innovative new model, created specifically to be compatible with common impact canisters that house plastic impact sprinklers. Thus, with no digging or lawn disruption, in a matter of minutes, you can repair an existing head or upgrade an entire outdated system to gear drive rotors.

FEATURES & BENEFITS



THE BEST OF BOTH WORLDS

PGP: The Proven Performance of the World's #1 Selling Rotor

- Integral rubber cover won't fall off, keeps dirt out
- 40°-360° adjustable arc version
- Continuously improved, proven long-life gear drive
- Large dirty water screen puts an end to nozzle clogs

ATR: The Hunter Gear Drive Specially Designed to Upgrade Impacts

- Whisper-quiet gear drive eliminates impact clatter
- Closed-case sealed drive mechanism safe from debris
- Factory-installed nozzle matches common impacts
- Slow, even rotation for better pattern control, less overspray
- No digging, no pipe fittings required to change sprinklers
- Compatible with many common impact canisters



PGP-ATR is Easy to Install!



1. Remove internal assembly of existing sprinkler.



2. Thread entire ATR body/riser into canister.



3. Set watering pattern to desired arc.

Standard Angle Nozzles (Red) – Metric

Nozzle	Pressure		Radius m	Flow	
	Bars	kPa		m ³ /hr.	l/min
1	2.1	206	8.5	0.11	1.9
	2.8	275	8.8	0.14	2.3
	3.4	344	8.8	0.16	2.7
	4.1	413	9.1	0.18	3.0
2	2.1	206	8.8	0.16	2.6
	2.8	275	9.1	0.18	3.0
	3.4	344	9.1	0.20	3.4
	4.1	413	9.4	0.23	3.8
3	2.1	206	9.1	0.20	3.4
	2.8	275	9.4	0.23	3.8
	3.4	344	9.4	0.27	4.5
	4.1	413	9.8	0.30	4.9
4	2.1	206	9.8	0.27	4.5
	2.8	275	10.1	0.32	5.3
	3.4	344	10.4	0.36	6.1
	4.1	413	10.4	0.41	6.8
5	2.1	206	10.4	0.36	6.1
	2.8	275	11.0	0.41	6.8
	3.4	344	11.6	0.45	7.6
	4.1	413	11.6	0.50	8.3
6	2.1	206	11.0	0.45	7.6
	2.8	275	11.6	0.55	9.1
	3.4	344	12.2	0.61	10.2
	4.1	413	12.2	0.66	11.0
7	2.1	206	11.0	0.59	9.8
	2.8	275	12.2	0.68	11.4
	3.4	344	12.8	0.77	12.9
	4.1	413	12.8	0.84	14.0
8	2.1	206	11.3	0.73	12.1
	2.8	275	12.2	0.84	14.0
	3.4	344	13.1	0.95	15.9
	4.1	413	13.4	1.04	17.4
9	2.1	206	11.6	0.95	15.9
	2.8	275	13.1	1.11	18.5
	3.4	344	14.0	1.25	20.8
	4.1	413	14.3	1.36	22.7
10	2.8	275	13.7	1.36	22.7
	3.4	344	14.6	1.54	25.7
	4.1	413	14.9	1.73	28.8
	4.8	482	15.5	1.86	31.0
11	2.8	275	14.0	1.82	30.3
	3.4	344	14.6	2.02	33.7
	4.1	413	15.2	2.23	37.1
	4.8	482	15.5	2.39	39.7
12	2.8	275	14.0	2.59	43.2
	3.4	344	14.6	2.77	46.2
	4.1	413	15.2	3.00	50.0
	4.8	482	15.9	3.27	54.5

Low Angle Nozzles (Gray) – Metric

Nozzle	Pressure		Radius m	Flow	
	Bars	kPa		m ³ /hr.	l/min
4	2.1	206	6.7	0.32	5.3
	2.8	275	7.3	0.39	6.4
	3.4	344	7.9	0.41	6.8
	4.1	413	8.5	0.45	7.6
5	2.1	206	7.6	0.36	6.1
	2.8	275	8.2	0.43	7.2
	3.4	344	8.5	0.48	7.9
	4.1	413	9.1	0.52	8.7
6	2.1	206	8.2	0.48	7.9
	2.8	275	9.1	0.57	9.5
	3.4	344	10.1	0.64	10.6
	4.1	413	10.7	0.68	11.4
7	2.1	206	8.8	0.64	10.6
	2.8	275	9.8	0.70	11.7
	3.4	344	10.7	0.80	13.2
	4.1	413	11.3	0.86	14.4
8	2.1	206	9.4	0.77	12.9
	2.8	275	10.4	0.89	14.8
	3.4	344	11.3	1.00	16.7
	4.1	413	11.6	1.07	17.8
9	2.1	206	10.1	0.98	16.3
	2.8	275	11.3	1.14	18.9
	3.4	344	12.2	1.27	21.2
	4.1	413	12.8	1.39	23.1
10	2.8	275	11.6	1.48	24.6
	3.4	344	12.2	1.66	27.6
	4.1	413	12.8	1.82	30.3
	4.8	482	13.4	1.95	32.6

P Blank nozzle plug for turning off selected sprinklers during repairs, maintenance, etc.

Data represent test results in zero wind. Adjust for local conditions. Radius may be reduced up to 30% with nozzle retaining screw. (This may alter the uniformity of the spray pattern.) Performance data are derived from tests that conform to ASAE Standard S398.1. See Hunter Irrigation products catalog for complete ASAE Certification Statement.

Replacement Guide

To Replace	Use Hunter Nozzle	
Mini-Paw® 15103	07 (Black)	6
	09 (Green)	7
Maxi-Paw™ 2045	06 (Red)	5
	07 (Black)	6
	08 (Blue)	8
	10 (Yellow)	9
	12 (Beige)	10

Mini-Paw® is a registered trademark of Rain Bird Sprinkler Mfg. Corp.



Install Cap portion of ATR, or to make it invisible, fill cup with sod.



Models

PGP-ATR — 6 cm pop-up

Operating Specifications

- Discharge rate: .11 to 3.27 m³/hr.; 1.9 to 54.5 l/min
- Radius: 6.7 to 15.9 m
- Pressure range: 2.1 to 4.8 bars; 206 to 482 kPa
- Matched precipitation: 10 mm per hour at 3.4 bars; 344 kPa for spacings from 7.6 to 13.7 m
- Nozzle trajectory: standard — 25° low angle — 13°
- Exposed diameter: 4 cm

PRODUCT EXPLANATION

EXAMPLE: **PGP - ATR**

MODEL

PGP = 6 cm Pop-up

FEATURES

ATR = Adjustable with no check valve and #7 nozzle Factory-installed

Available from:

