



PGP-ATR

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 patented 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 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Thus, with no digging or lawn disruption, in a matter of minutes, you can repair an existing head or upgrade an entire outdated system to gear drive rotors.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



#### **Integral rubber cover**

Keeps dirt out, won't fall off

#### **40°-360° adjustable arc version**

For fast, hassle-free adjustment, wet or dry

#### **Proven, long-life, water-lubricated gear drive**

First introduced over 20 years ago and still continuously improved

#### **Large dirty water screen**

Puts an end to nozzle clogs

#### **Whisper-quiet gear drive**

Eliminates impact clatter

#### **Closed-case sealed drive mechanism safe from debris**

Keeps dirt and other contaminants out for years of reliable operation

#### **Factory-installed nozzle matches common impacts**

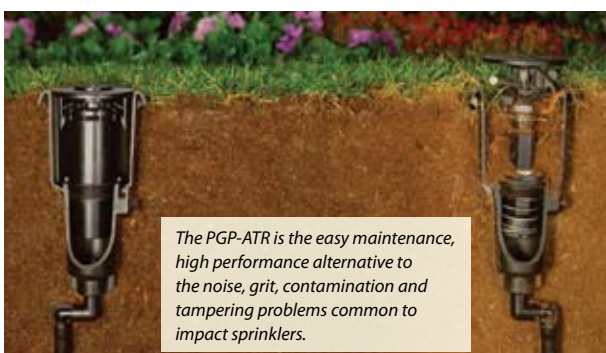
12 standard nozzles or 7 low-angle nozzles for virtually any task

#### **Variable stator**

Slow, even rotation for better pattern control, less overspray

#### **Compatible with many common impact canisters**

No digging, no pipe fittings required to change sprinklers



*The PGP-ATR is the easy maintenance, high performance alternative to the noise, grit, contamination and tampering problems common to impact sprinklers.*

## Models

PGP-ATR – 6 cm Pop-up – Retrofits existing Rain Bird® Maxi-PAW™ and others

## Operating Specifications

- Discharge rate: .011 to 3.20 m<sup>3</sup>/hr; 1.9 to 53.4 l/min
- Radius: 6.7 to 15.8 m
- Recommended pressure range: 2.8 to 4.1 bars; 275 to 413 kPa
- Operating pressure range: 1.4 to 6.9 bars; 137 to 689 kPa
- Precipitation rates: approximately 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°

## Options Available

- Reclaimed water identification cover
- Low angle nozzles
- Factory-installed nozzle

## The PGP-ATR Only Takes Minutes to Install!



1. Remove internal assembly of existing sprinkler.



2. Thread entire ATR body/riser into canister.



3. Set watering pattern to desired arc.



Install cap portion of ATR.



By filling the cup with sod, the PGP-ATR is nearly invisible.

## Superior Nozzle Performance Ensured Through Continuous Testing



With a combination of intelligent planning, carefully controlled manufacturing, and frequent testing that conforms to the strictest industry standards, the exceptional performance of our nozzles is no accident. Hunter is the only rotary sprinkler manufacturer that not only tests nozzles during the development stage but also performs frequent tests of every batch produced. In addition, the Center for Irrigation Technology in Fresno, California, independently tests our nozzles to provide third party verification of their superior results.

### PGP-ATR Replacement Guide

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

Also replaces other pop-up impact sprinklers.  
Mini-PAW® is a registered trademark of Rain Bird Sprinkler Mfg. Corp.

### PGP Standard Nozzle (Red) Performance Data – Metric

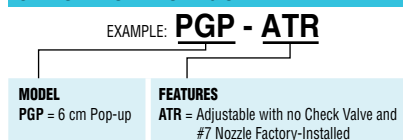
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
1	2.1	206	8.5	0.11	1.9	3	4
	2.8	275	8.8	0.14	2.3	3	4
	3.4	344	8.8	0.16	2.7	4	5
	4.1	413	9.1	0.18	3.0	4	5
2	2.1	206	8.8	0.16	2.6	4	5
	2.8	275	9.1	0.18	3.0	4	5
	3.4	344	9.1	0.20	3.4	5	6
	4.1	413	9.4	0.23	3.8	5	6
3	2.1	206	9.1	0.20	3.4	5	6
	2.8	275	9.4	0.23	3.8	5	6
	3.4	344	9.4	0.27	4.5	6	7
	4.1	413	9.8	0.30	4.9	6	7
4	2.1	206	9.8	0.27	4.5	6	7
	2.8	275	10.1	0.32	5.3	6	7
	3.4	344	10.4	0.36	6.1	7	8
	4.1	413	10.4	0.41	6.8	7	8
5	2.1	206	10.4	0.36	6.1	7	8
	2.8	275	11.0	0.41	6.8	7	8
	3.4	344	11.6	0.45	7.6	7	8
	4.1	413	11.6	0.50	8.3	7	9
6	2.1	206	10.4	0.45	7.6	8	10
	2.8	275	11.0	0.55	9.1	9	10
	3.4	344	11.6	0.61	10.2	9	11
	4.1	413	11.6	0.66	11.0	10	11
7	2.1	206	10.4	0.59	9.8	11	13
	2.8	275	11.6	0.68	11.4	10	12
	3.4	344	12.2	0.77	12.9	10	12
	4.1	413	12.2	0.84	14.0	11	13
8	2.1	206	11.3	0.73	12.1	11	13
	2.8	275	11.9	0.84	14.0	12	14
	3.4	344	12.5	0.89	14.8	11	13
	4.1	413	12.8	1.04	17.4	13	15
9	2.1	206	11.6	0.82	13.6	12	14
	2.8	275	12.5	0.98	16.3	13	14
	3.4	344	13.4	1.18	19.7	13	15
	4.1	413	13.7	1.25	20.8	13	15
10	2.8	275	13.4	1.36	22.7	15	17
	3.4	344	14.0	1.54	25.7	16	18
	4.1	413	14.3	1.73	28.8	17	19
	4.8	482	14.9	1.86	31.0	17	19
11	2.8	275	14.0	1.82	30.3	18	21
	3.4	344	14.6	2.02	33.7	19	22
	4.1	413	15.2	2.23	37.1	19	22
	4.8	482	15.5	2.39	39.7	20	23
12	2.8	275	14.0	2.38	39.7	24	28
	3.4	344	14.6	2.70	45.0	25	29
	4.1	413	15.2	2.88	48.1	25	29
	4.8	482	15.8	3.20	53.4	25	29

Note: All precipitation rates calculated for 180 degree operation.  
For the precipitation rate for a 360 degree sprinkler, divide by 2.

### PGP Low Angle Nozzle (Gray) Performance Data – Metric

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m <sup>3</sup> /hr	l/min	■	▲
4	2.1	206	6.7	0.32	5.3	14	16
	2.8	275	7.3	0.39	6.4	14	17
	3.4	344	7.9	0.41	6.8	13	15
	4.1	413	8.5	0.45	7.6	12	14
5	2.1	206	7.6	0.36	6.1	13	14
	2.8	275	8.2	0.43	7.2	13	15
	3.4	344	8.5	0.48	7.9	13	15
	4.1	413	9.1	0.52	8.7	12	14
6	2.1	206	8.2	0.48	7.9	14	16
	2.8	275	9.1	0.57	9.5	14	16
	3.4	344	10.1	0.64	10.6	13	15
	4.1	413	10.7	0.68	11.4	12	14
7	2.1	206	8.8	0.64	10.6	16	19
	2.8	275	9.8	0.70	11.7	15	17
	3.4	344	10.7	0.80	13.2	14	16
	4.1	413	11.3	0.86	14.4	14	16
8	2.1	206	9.4	0.77	12.9	17	20
	2.8	275	10.4	0.89	14.8	16	19
	3.4	344	11.3	1.00	16.7	16	18
	4.1	413	11.6	1.07	17.8	16	18
9	2.1	206	10.1	0.98	16.3	19	22
	2.8	275	11.3	1.14	18.9	18	21
	3.4	344	12.2	1.27	21.2	17	20
	4.1	413	12.8	1.39	23.1	17	20
10	2.8	275	11.6	1.48	24.6	22	25
	3.4	344	12.2	1.66	27.6	22	26
	4.1	413	12.8	1.82	30.3	22	26
	4.8	482	13.4	1.95	32.6	22	25
P	Blank nozzle plug for turning off selected sprinklers during repairs, maintenance, etc.						

### SPECIFICATION GUIDE



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