

Easily upgrade impact sprinklers to modern gear drive technology



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Thus, with no digging or lawn disruption, in a matter of minutes, you can repair an existing head or upgrade an entire outdated system to gear drive rotors.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

20 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



PGP Blue Nozzles: Superior Coverage and Visual Appearance

Take a look and you'll see a better visual appearance that provides more even distribution, at both the close-in and mid-range areas... a superior scheduling coefficient that eliminates the problem of under- and over-watered areas of the landscape... as well as an intuitive numbering system for easy identification with each individual nozzle clearly marked with its flow rate. The new PGP Blue Nozzles are just the latest example of Hunter's ongoing commitment to remaining the leader in the irrigation industry.



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 – 2¼" Pop-up – Retrofits existing Rain Bird® Maxi-PAW™ and others

Operating Specifications

- Discharge rate: .5 to 14.1 GPM (0.11 to 3.20 m³/hr; 1.9 to 53.4 l/min)
- Radius: 22' to 52' (6.7 to 15.8 m)
- Recommended pressure range: 40 to 60 PSI (2.8 to 4.1 bars; 275 to 413 kPa)
- Operating pressure range: 20 to 100 PSI (1.4 to 6.9 bars; 137 to 689 kPa)
- Precipitation rates: approximately .4" (10 mm) per hour at 50 PSI (3.4 bars; 344 kPa) for spacings from 25' to 45' (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. Install cap portion of ATR.



4. Set watering pattern to desired arc.



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

PGP Blue Standard Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
1.5	25	29'	1.2	0.27	0.32
	35	31'	1.4	0.28	0.32
	45	31'	1.5	0.30	0.35
	55	32'	1.8	0.34	0.39
	65	32'	1.9	0.36	0.41
2.0	25	33'	1.4	0.25	0.29
	35	33'	1.7	0.30	0.35
	45	34'	2.0	0.33	0.38
	55	34'	2.1	0.35	0.40
2.5	25	33'	1.7	0.30	0.35
	35	35'	2.1	0.33	0.38
	45	35'	2.5	0.39	0.45
	55	35'	2.6	0.41	0.47
3.0	25	35'	2.2	0.35	0.40
	35	36'	2.7	0.40	0.46
	45	38'	3.0	0.40	0.46
	55	39'	3.4	0.43	0.50
4.0	25	37'	3.0	0.42	0.49
	35	39'	3.5	0.44	0.51
	45	40'	4.0	0.48	0.56
	55	41'	4.5	0.52	0.60
5.0	25	37'	3.7	0.52	0.60
	35	39'	4.5	0.57	0.66
	45	42'	5.0	0.55	0.63
	55	42'	5.7	0.62	0.72
6.0	25	38'	4.3	0.57	0.66
	35	40'	5.6	0.67	0.78
	45	43'	6.0	0.62	0.72
	55	44'	6.7	0.67	0.77
8.0	25	37'	6.0	0.84	0.97
	35	41'	7.0	0.80	0.93
	45	44'	8.0	0.80	0.92
	55	46'	9.0	0.82	0.95
65	46'	9.8	0.89	1.03	

PGP Red Standard Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
1	30	28'	0.5	0.12	0.14
	40	29'	0.6	0.14	0.16
	50	29'	0.7	0.16	0.19
	60	30'	0.8	0.17	0.20
2	30	29'	0.7	0.16	0.19
	40	30'	0.8	0.17	0.20
	50	30'	0.9	0.19	0.22
3	30	30'	0.9	0.19	0.22
	40	31'	1.0	0.20	0.23
	50	31'	1.2	0.24	0.28
4	30	32'	1.2	0.23	0.26
	40	33'	1.4	0.25	0.29
	50	34'	1.6	0.27	0.31
5	30	34'	1.6	0.27	0.31
	40	36'	1.8	0.27	0.31
	50	38'	2.0	0.27	0.31
6	30	34'	2.0	0.33	0.38
	40	36'	2.4	0.36	0.41
	50	38'	2.7	0.36	0.42
7	30	34'	2.6	0.43	0.50
	40	38'	3.0	0.40	0.46
	50	40'	3.4	0.41	0.47
8	30	37'	3.2	0.45	0.52
	40	39'	3.7	0.47	0.54
	50	41'	3.9	0.45	0.52
9	30	38'	3.6	0.48	0.55
	40	41'	4.3	0.49	0.57
	50	44'	5.2	0.52	0.60
10	40	44'	6.0	0.60	0.69
	50	46'	6.8	0.62	0.71
	60	47'	7.6	0.66	0.76
11	40	46'	8.0	0.73	0.84
	50	48'	8.9	0.74	0.86
	60	50'	9.8	0.75	0.87
12	40	46'	10.5	0.96	1.10
	50	48'	11.9	0.99	1.15
	60	50'	12.7	0.98	1.13
70	52'	14.1	1.00	1.16	

PGP Gray Low Angle Nozzle Performance Data

Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr	
				■	▲
4	30	22'	1.4	0.56	0.64
	40	24'	1.7	0.57	0.66
	50	26'	1.8	0.51	0.59
	60	28'	2.0	0.49	0.57
5	30	25'	1.6	0.49	0.57
	40	27'	1.9	0.50	0.58
	50	28'	2.1	0.52	0.60
6	30	27'	2.1	0.55	0.64
	40	30'	2.5	0.53	0.62
	50	33'	2.8	0.49	0.57
7	30	29'	2.8	0.64	0.74
	40	32'	3.1	0.58	0.67
	50	35'	3.5	0.55	0.64
8	30	31'	3.4	0.68	0.79
	40	34'	3.9	0.65	0.75
	50	37'	4.4	0.62	0.71
9	30	33'	4.3	0.76	0.88
	40	37'	5.0	0.70	0.81
	50	40'	5.6	0.67	0.78
10	40	38'	6.5	0.87	1.00
	50	40'	7.3	0.88	1.01
	60	42'	8.0	0.87	1.01
P	Blank nozzle plug for turning off selected sprinklers during repairs, maintenance, etc.				

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

To ensure optimum nozzle performance, the rotor should be operated in the "Recommended pressure range". The sprinkler will work normally when used in the "Operating pressure range", but nozzle performance may be reduced. (Optimum nozzle performance shown in bold).

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.

SPECIFICATION GUIDE

EXAMPLE: **PGP - ATR**

MODEL
PGP = 2¼" Pop-up

FEATURES

ATR = Adjustable with no Check Valve and #7 Standard Red Nozzle Factory-Installed

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