

I-PRO™ NOZZLES SERIES

MPR NOZZLES



Irritrol's I-PRO™ nozzles with matched precipitation rate are designed to simplify your design process while delivering the precision performance you've come to expect. An I-PRO MPR nozzle ensures even water distribution within an arc family allowing for accurate control of precipitation rate, radius and flow. Run-off and over-watering are both dramatically reduced. And compared to the competition, these I-PRO nozzles give a lower on-average precipitation and flow rate adding greater irrigation efficiency. Color-coded on top for quick radius identification, users will be able to easily verify proper nozzle installation – whether the system is on or off. Available in 5 radius sizes and 6 arc settings*, I-PRO nozzles are female-threaded and include a ribbed-edge design for a non-slip grip. Compatible with all Irritrol spray heads as well as any male-threaded riser in the industry, Irritrol's newest nozzle series are just the right nozzles to get the job done. Irritrol. *Get more done.*

SPRAYS WELL WITH OTHERS.

KEY FEATURES & BENEFITS

MATCHED PRECIPITATION RATES

Ensure even water distribution within each family

LOW-FLOW RATES

Allow for more sprinklers to be installed on the same zone

COLOR-CODED TOP

For quick and easy radius identification

FEMALE-THREADED

Compatible with any male-threaded riser in the industry

RIBBED-EDGE DESIGN

Provides for a non-slip grip

*5', 8' and 10' nozzles are not available in TT and TQ arc settings

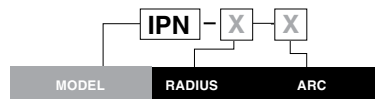
ADDED FEATURES

- Stainless steel radius adjustment screw allows for up to 25% in-field reduction
- Five-year warranty

SPECIFICATIONS

- Flow rate: .05-4.58 GPM
- Recommended operating pressure range: 20-50 psi
- Maximum operating pressure range: 75 psi

SPECIFYING INFORMATION



*See performance charts for additional models.

Example: an I-PRO MPR Nozzle with a spray of 15', 180° arc, would be specified as IPN-15H.

Note: 5', 8' and 10' nozzles are not available in TT and TQ arc settings.



IPN-12H

PERFORMANCE DATA

5' Series with 0° Trajectory

Nozzle	Pressure psi	Radius ft.	GPM	Precip. in/h	Precip. in/h ▲
IPN-5F	20	4	0.27	1.62	1.87
	30	5	0.41	1.58	1.82
	40	6	0.49	1.30	1.50
	50	6	0.57	1.53	1.77
IPN-5H	20	4	0.11	1.27	1.46
	30	5	0.20	1.54	1.78
	40	6	0.24	1.29	1.49
IPN-5T	20	4	0.08	1.37	1.58
	30	5	0.13	1.50	1.73
	40	6	0.14	1.39	1.61
IPN-5Q	20	4	0.03	1.34	1.54
	30	5	0.10	1.54	1.78
	40	6	0.13	1.43	1.65
	50	6	0.17	1.78	2.06

8' Series with 5° Trajectory

Nozzle	Pressure psi	Radius ft.	GPM	Precip. in/h	Precip. in/h ▲
IPN-8F	20	7	0.77	1.51	1.75
	30	8	1.04	1.56	1.81
	40	9	1.21	1.43	1.66
	50	9	1.35	1.61	1.86
IPN-8H	20	8	0.38	1.51	1.75
	30	8	0.52	1.56	1.81
	40	9	0.60	1.43	1.66
IPN-8T	20	7	0.26	1.54	1.77
	30	8	0.34	1.53	1.77
	40	9	0.41	1.45	1.68
IPN-8Q	20	7	0.18	1.42	1.67
	30	8	0.26	1.56	1.81
	40	9	0.28	1.34	1.55
	50	9	0.31	1.49	1.72

10' Series with 12° Trajectory

Nozzle	Pressure psi	Radius ft.	GPM	Precip. in/h	Precip. in/h ▲
IPN-10F	20	9	1.22	1.45	1.68
	30	10	1.64	1.58	1.82
	40	11	1.77	1.41	1.63
	50	11	2.04	1.36	1.57
IPN-10H	20	9	0.68	1.63	1.88
	30	10	0.81	1.56	1.80
	40	11	0.97	1.54	1.78
IPN-10T	20	9	0.43	1.53	1.76
	30	10	0.53	1.53	1.77
	40	11	0.66	1.58	1.83
IPN-10Q	20	9	0.30	1.43	1.65
	30	10	0.40	1.54	1.78
	40	11	0.50	1.59	1.84
	50	12	0.60	1.60	1.85

12' Series with 23° Trajectory

Nozzle	Pressure psi	Radius ft.	GPM	Precip. in/h	Precip. in/h ▲
IPN-12F	20	11	1.74	1.38	1.60
	30	12	2.28	1.52	1.76
	40	13	2.45	1.39	1.61
	50	13	2.81	1.60	1.85
IPN-12TQ	20	11	1.17	1.23	1.42
	30	12	1.72	1.53	1.77
	40	13	1.83	1.39	1.60
IPN-12TT	20	11	1.20	1.43	1.65
	30	12	1.55	1.55	1.79
	40	13	1.74	1.49	1.72
IPN-12H	20	11	1.00	1.59	1.84
	30	12	1.15	1.54	1.78
	40	13	1.37	1.56	1.80
IPN-12T	20	11	0.59	1.42	1.64
	30	12	0.75	1.50	1.74
	40	13	0.91	1.55	1.79
IPN-12Q	20	11	0.46	1.45	1.68
	30	12	0.57	1.52	1.76
	40	13	0.68	1.56	1.80
	50	13	0.72	1.64	1.89

■ Square spacing based on 50% diameter of throw
▲ Triangle spacing based on 50% diameter of throw

15' Series with 27° Trajectory

Nozzle	Pressure psi	Radius ft.	GPM	Precip. in/h	Precip. in/h ▲
IPN-15F	20	14	2.95	1.45	1.67
	30	15	3.73	1.60	1.84
	40	16	4.35	1.64	1.89
	50	16	4.75	1.78	2.06
IPN-15TQ	20	14	2.23	1.46	1.68
	30	15	2.76	1.57	1.81
	40	16	3.18	1.59	1.84
IPN-15TT	20	14	1.95	1.44	1.66
	30	15	2.41	1.55	1.79
	40	16	2.91	1.64	1.90
IPN-15H	20	14	1.51	1.48	1.71
	30	15	1.82	1.56	1.80
	40	16	2.23	1.68	1.93
IPN-15T	20	14	1.03	1.51	1.75
	30	15	1.19	1.53	1.76
	40	16	1.41	1.59	1.83
IPN-15Q	20	14	0.73	1.43	1.65
	30	15	0.91	1.56	1.80
	40	16	1.11	1.67	1.93
	50	16	1.32	1.98	2.29