

Irritrol®



Irritrol's I-PRO™ Matched Precipitation Rate nozzles are designed to simplify your design process while delivering the efficient yet forgiving 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. As a result, runoff and over-watering are both dramatically reduced. Compared to competitive products, I-PRO nozzles achieve equal or better precipitation and flow rate for greater overall 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.

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I-PRO™ SERIES

MPR SPRAY NOZZLES

MATCHED PRECIPITATION RATE

Ensures 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



MPR SPRAY NOZZLES

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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
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	0.17	1.39	1.61
IPN-5Q	20	4	0.06	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
IPN-8H	20	7	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	1.45	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	12	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	

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	

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

SPECIALTY NOZZLES

9' Series with 20° Trajectory

Nozzle	Pressure psi	W x L ft.	Flow GPM
IPN-9EST	20	3 x 8	0.41
	30	4 x 9	0.45
	40	5 x 10	0.48
IPN-9CST	20	3 x 16	0.85
	30	4 x 18	0.90
	40	5 x 20	0.97
IPN-9SST	20	3 x 16	0.85
	30	4 x 18	0.90
	40	5 x 20	0.97

15' Series with 21° Trajectory

Nozzle	Pressure psi	W x L ft.	Flow GPM
IPN-15EST	20	3 x 14	0.52
	30	4 x 15	0.61
	40	5 x 17	0.70
IPN-15CST	20	3 x 28	1.10
	30	4 x 30	1.21
	40	5 x 32	1.35
IPN-15SST	20	3 x 28	1.10
	30	4 x 30	1.21
	40	5 x 32	1.35

MODELS

Model Description

IPN-5F	360° Arc
IPN-5H	180° Arc
IPN-5T	120° Arc
IPN-5Q	90° Arc
IPN-8F	360° Arc
IPN-8H	180° Arc
IPN-8T	120° Arc
IPN-8Q	90° Arc
IPN-10F	360° Arc
IPN-10H	180° Arc
IPN-10T	120° Arc
IPN-10Q	90° Arc
IPN-12F	360° Arc
IPN-12TQ	270° Arc
IPN-12TT	240° Arc
IPN-12H	180° Arc
IPN-12T	120° Arc
IPN-12Q	90° Arc
IPN-15F	360° Arc
IPN-15TQ	270° Arc
IPN-15TT	240° Arc
IPN-15H	180° Arc
IPN-15T	120° Arc
IPN-15Q	90° Arc
IPN-9EST	End strip, 4' x 9'
IPN-9CST	Center strip, 4' x 18'
IPN-9SST	Side strip, 4' x 18'
IPN-15EST	End strip, 4' x 15'
IPN-15CST	Center strip, 4' x 30'
IPN-15SST	Side strip, 4' x 18'
IPN-9EST	End strip, 4' x 9'
IPN-9CST	Center strip, 4' x 18'
IPN-9SST	Side strip, 4' x 18'
IPN-15EST	End strip, 4' x 15'
IPN-15CST	Center strip, 4' x 30'
IPN-15SST	Side strip, 4' x 18'

MPR NOZZLES

SPECIALTY NOZZLES

SPECIFICATIONS

- Flow range: .06-4.75 GPM
- Recommended operating pressure range: 20-50 psi
- Maximum operating pressure range: 75 psi

SPECIFYING INFORMATION

MODEL	RADIUS	ARC
IPN - I-PRO Nozzles Series	5 - 5' 8 - 8' 9 - 9' * 10 - 10' 12 - 12' 15 - 15'	Q - 90° T - 120° H - 180° TT - 240° TQ - 270° F - 360° EST - end strip CST - center strip SST - side strip

Example: An I-PRO Series nozzle with a spray of 15',
180° arc = **IPN-15H**

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

* Specialty only

We reserve the right to improve our products and make changes in the specifications and designs without notice and without incurring obligation. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design and features.