



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.

*Rain Bird® and 1800® are trademarks of Rain Bird® Corporation.

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

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
	50	12	1.13	1.51	1.74
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
	50	12	0.76	1.53	1.77
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

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
	50	16	3.61	1.80	2.08
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
	50	16	3.11	1.75	2.03
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
	50	16	2.36	1.77	2.05
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
	50	16	1.57	1.77	2.04
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

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

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
	50	13	2.00	1.51	1.75
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
	50	13	1.92	1.64	1.90
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
	50	13	1.64	1.86	2.15
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
	50	13	1.01	1.73	1.99
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

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

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Irritrol®



Featuring an exclusive “Smart Grip” head design that requires no tools, Irritrol® Pro-VAN nozzles provide the industry’s easiest 0° to 360° arc adjustment—even when wet—while ensuring precision adjustment for pinpoint coverage. No more dry spots on the lawn. No more wasted water on sidewalks or driveways. Pro-VANs are available in five radii, from 8 to 17 feet, and each allows for up to a 25% radius reduction for even further fine tuning. Plus, because each nozzle is compatible with all Irritrol spray heads, as well as any male-threaded riser in the industry, nozzle inventory can be dramatically reduced. Additional features include a visible left-stop arrow at the top of the nozzle to ensure setting accuracy and color-coding for easy radius identification.

PRO-VAN SERIES NOZZLES

FULLY ADJUSTABLE ARC – FROM 0° TO 360°

Reduces inventory by meeting the needs of any size or shape landscape

PRECISION ADJUSTMENT

Eliminates dry spots on lawns and reduces water waste on sidewalks, etc.

EXCLUSIVE “SMART GRIP” HEAD DESIGN

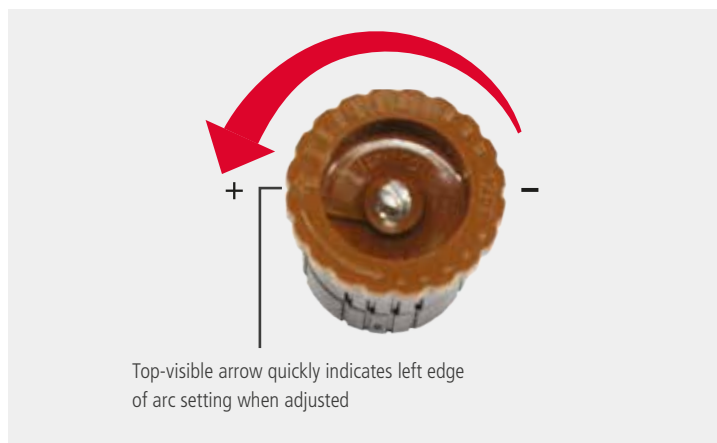
Requires no tools and provides the industry’s easiest arc adjustment – even when wet

COMPATIBLE WITH ANY MALE-THREADED RISER IN THE INDUSTRY

Reduces inventory requirements

VISIBLE LEFT-STOP ARROW ON TOP OF NOZZLE

Ensures setting accuracy



VARIABLE ARC NOZZLES

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PERFORMANCE DATA

8' Series with 5° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
360° 	20	8	1.72	2.59	2.99
	30	8	2.13	3.20	3.70
	40	9	2.48	3.73	4.31
	50	9	2.78	4.18	4.83
270° 	20	8	1.36	2.73	3.15
	30	9	1.65	3.31	3.82
	40	9	1.89	3.79	4.38
	50	9	2.13	4.27	4.93
180° 	20	9	0.87	2.62	3.02
	30	9	1.07	3.22	3.72
	40	9	1.23	3.70	4.27
	50	9	1.38	4.15	4.79
90° 	20	9	0.53	3.19	3.68
	30	10	0.64	3.85	4.45
	40	10	0.72	4.33	5.00
	50	10	0.78	4.69	5.42

10' Series with 10° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
360° 	20	10	1.98	1.91	2.20
	30	10	2.41	2.32	2.68
	40	11	3.19	3.07	3.55
	50	12	3.59	3.46	3.99
270° 	20	10	1.60	2.05	2.37
	30	11	1.95	2.50	2.88
	40	12	2.26	2.89	3.34
	50	12	2.52	3.23	3.73
180° 	20	10	1.13	2.18	2.51
	30	11	1.38	2.66	3.07
	40	12	1.58	3.04	3.51
	50	12	1.77	3.41	3.93
90° 	20	11	0.62	2.39	2.76
	30	12	0.77	2.96	3.42
	40	12	0.89	3.43	3.96
	50	13	1.00	3.85	4.45

12' Series with 15° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
360° 	20	11	2.26	1.51	1.74
	30	12	2.79	1.86	2.15
	40	13	3.20	2.14	2.47
	50	13	3.62	2.42	2.79
270° 	20	11	1.85	1.65	1.90
	30	12	2.29	2.04	2.36
	40	13	2.64	2.35	2.72
	50	13	2.98	2.66	3.07
180° 	20	11	1.33	1.78	2.05
	30	12	1.63	2.18	2.52
	40	13	1.89	2.53	2.92
	50	14	2.12	2.83	3.27
90° 	20	12	0.75	2.01	2.32
	30	13	0.93	2.49	2.87
	40	14	1.06	2.83	3.27
	50	14	1.21	3.24	3.74

15' Series with 20° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
360° 	20	14	2.76	1.18	1.36
	30	15	3.35	1.43	1.65
	40	15	3.87	1.66	1.91
	50	16	4.31	1.84	2.13
270° 	20	14	2.36	1.35	1.55
	30	15	2.89	1.65	1.90
	40	16	3.30	1.88	2.17
	50	16	3.37	2.13	2.46
180° 	20	15	1.70	1.45	1.68
	30	16	2.09	1.79	2.06
	40	16	2.42	2.07	2.39
	50	17	2.71	2.32	2.68
90° 	20	15	0.99	1.69	1.96
	30	16	1.20	2.05	2.37
	40	17	1.40	2.40	2.77
	50	17	1.56	2.67	3.08

17' Series with 26° Trajectory

Nozzle	Pressure psi	Radius ft.	Flow GPM	Precip. ■ in/h	Precip. ▲ in/h
360° 	20	14	2.90	0.97	1.12
	30	16	3.60	1.20	1.38
	40	17	4.10	1.37	1.58
	50	17	4.60	1.53	1.77
270° 	20	14	2.50	1.11	1.28
	30	16	3.10	1.38	1.59
	40	17	3.60	1.60	1.85
	50	17	4.00	1.78	2.05
180° 	20	15	1.90	1.27	1.46
	30	17	2.40	1.60	1.85
	40	17	2.70	1.80	2.08
	50	18	3.00	2.00	2.31
90° 	20	15	1.20	1.60	1.85
	30	17	1.50	2.00	2.31
	40	18	1.70	2.26	2.62
	50	18	1.90	2.53	2.92

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

ADDED FEATURES

- Color-coded for easy radius identification
- Pre-assembled at 0°
- Stainless steel radius adjustment screw allows for up to 25% radius reduction
- Five-year warranty

SPECIFICATIONS

- Flow rate: 0.53 - 4.60 GPM
- Recommended operating pressure range: 20-50 psi
- Maximum operation range: 75 psi

SPECIFYING INFORMATION

PRO VAN XX		
MODEL	ARC	RADIUS
PRO - PRO-VAN Series	VAN - Variable arc	8 - 8' 10 - 10' 12 - 12' 15 - 15' 17 - 17'
Example: A Pro-VAN Series nozzle with a 12' radius = PRO-VAN12		

MODELS

Model	Description
PRO-VAN8	8' variable arc pattern
PRO-VAN10	10' variable arc pattern
PRO-VAN12	12' variable arc pattern
PRO-VAN15	15' variable arc pattern
PRO-VAN17	17' variable arc pattern

AVAILABLE IN 5 DIFFERENT RADII



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