

Hunter[®]
The Irrigation Innovators

Pro-Spray[®]

*A rugged
contractor-
friendly spray
for residential
and commercial
projects*



The Wiper Seal That Allows More Heads per Valve



The seal is soft white rubber which prevents leaks.

Rigid seal support adds durability and stability for improved seal performance.

Water pressure activated seal reduces flow-by.

With its pressure activated, multi-function wiper seal, the Pro-Spray has been designed to reduce "flow-by." A zero flush seal ensures dependable operation at low pressures and permits more sprinkler heads to be installed on the same zone. The wiper seal's unique design grips the riser when operating and keeps debris from entering the seal when retracted. Body cap leaks will be a thing of the past, as well. You'll find Pro-Spray to be the ideal choice for handling the debris of gritty soils while eliminating the worry of riser stick-ups.

Improved Co-molded Seal Makes a Great Seal Even Better

Co-molding is a process where two parts are molded together to create a bond between them. The soft white rubber seal is bonded to a rigid black inner support which adds stability and durability. This insures optimal seal performance and improved wear over many years of use.

A Cap That Won't Crack or Leak Under Pressure



The competition can't make that claim. Because only the Pro-Spray incorporates a heavy-duty ribbed body and a durable cap engineered to withstand the harshest environments, including the rigors of foot traffic and the abuses of heavy machinery. In addition, a multi-thread buttress design provides superior strength in cap-to-

body gripping capacity helping the head to withstand high inlet surge pressures. All in all, with internal strength and performance evaluations, plus continuous field testing, this is probably the industry's most highly-evaluated spray product.



The Competition
The leading competitor's sprinkler develops body cap leaks over time due to the plastic-on-plastic cap seal that is temperature and pressure sensitive.

Hunter Pro-Spray®
The Hunter sprinkler is designed with a wiper seal that also seals the cap where it threads to the body. No body cap leaks – ever!

Innovative Flush Plug Makes Flushing Easy

The Pro-Spray flush cap has a convenient pull ring that allows for easy pull up of the riser, which makes flushing operations cleaner. As water pressure opens the flap, controlled directional flushing cleans the system. The plug then closes and, while in the retracted position, the spring loaded, self-sealing mechanism prevents debris from entering the riser. The result: no more nozzle plugging and debris-related callback problems.

Optional drain check valve can be either factory installed or field installed. Helps prevent soil erosion and water waste.



The Pro-Spray has been manufactured with the precision required to ensure reliable operation and peak performance for years to come. This solid performer boasts heavy-duty ABS construction, including an extra-thick body and cap. Exclusive body ribs make it easier to install, adjust, and service while also providing more stability for the sprinkler in loose soils. But brawn isn't all this product offers. The sprinkler also features a user-friendly "pull-ring" flush cap that helps keep debris to a minimum and a multi-function wiper seal that eliminates flow-by. Add in its compatibility with all industry standard female nozzles—as well as Hunter's own complete line-up of adjustable, fixed, and specialty nozzles—and you have the industry's most sophisticated spray sprinkler. A spray designed with the professional in mind.

Pro-Spray®

A rugged contractor-friendly spray for residential and commercial projects



Features & Benefits



Heavy-duty body and cap construction

Multi-thread buttress design withstands the harshest environments

Pressure activated, multi-function, no flow-by wiper seal

Easy to remove and clean; treated with UV inhibitors to ensure long life

Compatible with all female threaded nozzles

Accepts adjustable, fixed, and specialty nozzles from Hunter and all major brands

Optional factory-installed drain check valve for up to 10 feet elevation change

Eliminates landscape damage from flooding and erosion

Ratcheting riser for quick arc alignment

Make adjustments while sprinkler is operating

Heavy-duty spring

For positive retraction under any conditions

Innovative "pull-ring" flush plug design

Allows limited flow permitting controlled directional flushing

Models

- PROS-00 – Shrub
- PROS-04 – 4" Pop-up (10 cm)
- PROS-06 – 6" Pop-up (15 cm)
- PROS-12 – 12" Pop-up (30 cm)

Dimensions

- Overall height:
 - PROS-04 – 5 $\frac{7}{8}$ " (15.5 cm)
 - PROS-06 – 8 $\frac{3}{4}$ " (22.5 cm)
 - PROS-12 – 16 $\frac{1}{8}$ " (41 cm)
- ½" female inlet NPT
- Exposed diameter: 2 $\frac{1}{4}$ " (5.7 cm)

Operating Specifications

- Recommended pressure range: 15 to 70 PSI (1.0 to 4.8 bars; 103 to 482 kPa)
- Flow-by: 0 at 10 PSI (.7 bars; 68 kPa) or greater; .1 GPM (0.02 m³/hr; 0.4 l/min) otherwise
- Precipitation rates: approximately 1.5" (38 mm) per hour

Options Available

- Factory-installed drain check valve for up to 10' (3 m) elevation change; "Check Valve" stamped on cap for easy ID
- Field-installed black rubber cover (part # 469805)
- Field-installed reclaimed water identification snap-on cover (part # 469800)
- Field-installed reclaimed water identification body cap (part # 458520), with "Check Valve" stamped on cap for easy ID (part # 458525)
- Field-installed vandal-proof cap (part # PROS-VPC)

The Pro-Spray name has come to stand for your assurance of unsurpassed quality and performance in a professional-grade spray head. Now, the name also guarantees the same high standards for spray nozzles. While many landscapes require precise fine-tuning to achieve optimum coverage, the vast majority of spray heads that contractors install call for the use of standard angle nozzles...that is, full-circle, half-circle, and quarter-circle patterns. When installing nozzles along straight runs or in areas that require 360° arcs, labor will be saved by not having to adjust each nozzle to those common patterns. With patterns that feature precise edges and a droplet size that minimizes wind drift, Hunter Pro-Spray nozzles have been painstakingly designed to provide superior coverage. Five different radius ranges are available, each able to be reduced if needed for fine-tuning and each color-coded for quick and easy radius identification.

Pro-Spray Nozzles

Precise edges, optimum droplet size deliver superior matched precipitation rates for popular arc settings



Pro-Spray® Nozzles Performance Data																	
		8 Foot Radius Fixed (Quarter, Half, Full) Trajectory: 0° Color Code: Brown			10 Foot Radius Fixed (Quarter, Half, Full) Trajectory: 15° Color Code: Red			12 Foot Radius Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Green			15 Foot Radius Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Black			17 Foot Radius Fixed (Quarter, Half, Full) Trajectory: 28° Color Code: Gray			
		Nozzle 8			Nozzle 10			Nozzle 12			Nozzle 15			Nozzle 17			
Arc	Pressure PSI	Pattern	Radius ft.	Flow GPM	Precip in/hr	Radius ft.	Flow GPM	Precip in/hr	Radius ft.	Flow GPM	Precip in/hr	Radius ft.	Flow GPM	Precip in/hr	Radius ft.	Flow GPM	Precip in/hr
90°	20	Q	7'	0.17	1.34 1.54	9'	0.30	1.43 1.65	11'	0.50	1.59 1.84	14'	0.77	1.51 1.75	16'	0.97	1.46 1.68
	25		8'	0.19	1.14 1.32	10'	0.33	1.27 1.47	12'	0.55	1.47 1.70	15'	0.86	1.47 1.70	17'	1.13	1.51 1.74
	30		8'	0.24	1.44 1.67	10'	0.39	1.50 1.73	12'	0.63	1.68 1.95	15'	0.93	1.59 1.84	17'	1.20	1.60 1.85
	35		9'	0.33	1.57 1.81	11'	0.49	1.56 1.80	13'	0.73	1.66 1.92	16'	1.03	1.55 1.79	18'	1.25	1.49 1.72
180°	20	H	7'	0.34	1.34 1.54	9'	0.60	1.43 1.65	11'	1.00	1.59 1.84	14'	1.54	1.51 1.75	16'	1.94	1.46 1.68
	25		8'	0.38	1.14 1.32	10'	0.66	1.27 1.47	12'	1.10	1.47 1.70	15'	1.72	1.47 1.70	17'	2.26	1.51 1.74
	30		8'	0.48	1.44 1.67	10'	0.82	1.58 1.82	12'	1.31	1.75 2.02	15'	1.86	1.59 1.84	17'	2.40	1.60 1.85
	35		9'	0.66	1.57 1.81	11'	0.98	1.56 1.80	13'	1.46	1.66 1.92	16'	2.06	1.55 1.79	18'	2.50	1.49 1.72
360°	20	F	7'	0.68	1.34 1.54	9'	1.20	1.43 1.65	11'	2.00	1.59 1.84	14'	3.08	1.51 1.75	16'	3.88	1.46 1.68
	25		8'	0.76	1.14 1.32	10'	1.32	1.27 1.47	12'	2.20	1.47 1.70	15'	3.44	1.47 1.70	17'	4.52	1.51 1.74
	30		8'	0.95	1.43 1.65	10'	1.62	1.56 1.80	12'	2.65	1.77 2.05	15'	3.72	1.59 1.84	17'	4.80	1.60 1.85
	35		9'	1.32	1.57 1.81	11'	1.96	1.56 1.80	13'	2.92	1.66 1.92	16'	4.12	1.55 1.79	18'	5.00	1.49 1.72
40	10'	1.92	1.85 2.13	12'	2.52	1.68 1.95	14'	3.36	1.65 1.91	17'	4.54	1.51 1.74	19'	5.52	1.47 1.70		

Note: The Institutional Spray's built-in pressure regulation controls output to a maximum of 30 PSI. All precipitation rates calculated for 360 degree operation.



Full, Even Coverage Across Every Pattern

Every Hunter Pro-Spray Nozzle has been precision engineered to ensure that the entire area of coverage receives its intended amount of water. Whether it is a quarter-, half-, or full-circle pattern, the discharge from the nozzle features a consistent trajectory from all sides. Hunter nozzles also are noted for emitting at the optimum droplet size: large enough to avoid the problems of misting, small enough to provide nice, even distribution.

It's Easy To See We've Enhanced Our Color-Coded ID

Never has it been so easy to identify what nozzle is installed in a spray head. With Hunter's improved color-coded ID system for Pro-Spray Nozzles, you'll no longer need to turn on the system in order to view the sprinkler from the side as it pops up (and sprays you with water). Now, you can view the sprinkler from the top and see the color-coded plug that identifies the particular nozzle... while the system is off! A quick peek and you'll know exactly what size (radius) nozzle is installed simply by its color—brown is 8' (2.4 m), red is 10' (3.0 m), green is 12' (3.7 m), black is 15' (4.6 m), and gray is 17' (5.2 m).



Any spray head body that uses female-threaded nozzles can have the ultimate in versatility with a Hunter nozzle. And the most versatile of the wide array of Hunter nozzles is the Adjustable Arc nozzle. With an easy turn by hand—no tools are required to adjust—you can fine-tune Hunter Adjustable Arc nozzles from 25 to 360 degrees to keep the spray in the areas as designed. In addition, the radius can be reduced up to 25% without changing the pattern distribution. Thus, virtually any landscape needs can be met, including those areas that require custom arcs. Today, more and more landscapes are calling for a nozzle that can be precisely set to handle meandering walkways or atypical, hard-to-handle sharp angles. Why keep an inventory of the many different odd arc nozzles that you would seldom use? When you stock Hunter Adjustable Arc nozzles, you'll always have just the right nozzle...no matter what the job is.



Adjustable Arc Nozzles

Quick and easy fine-tuning to any arc for maximum performance

Adjustable Arc Nozzles Performance Data

Arc	Pressure PSI	8 Foot Radius Adjustable from 25° to 360° Trajectory: 0° Color Code: Brown				10 Foot Radius Adjustable from 25° to 360° Trajectory: 15° Color Code: Red				12 Foot Radius Adjustable from 25° to 360° Trajectory: 28° Color Code: Green				15 Foot Radius Adjustable from 25° to 360° Trajectory: 28° Color Code: Black				17 Foot Radius Adjustable from 25° to 360° Trajectory: 28° Color Code: Gray			
		Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle
45°	20	7'	0.17	2.67	3.08	9'	0.17	1.62	1.87	11'	0.25	1.59	1.84	14'	0.39	1.51	1.75	16'	0.49	1.46	1.68
	25	8'	0.20	2.35	2.71	10'	0.20	1.50	1.73	12'	0.28	1.47	1.70	15'	0.43	1.47	1.70	17'	0.57	1.51	1.74
	30	8'	0.25	2.95	3.40	10'	0.25	1.89	2.18	12'	0.32	1.68	1.95	15'	0.47	1.59	1.84	17'	0.60	1.60	1.85
	35	9'	0.26	2.42	2.80	11'	0.26	1.62	1.87	13'	0.37	1.66	1.92	16'	0.52	1.55	1.79	18'	0.63	1.49	1.72
90°	20	7'	0.34	2.67	3.08	9'	0.34	1.62	1.87	11'	0.50	1.59	1.84	14'	0.77	1.51	1.75	16'	0.97	1.46	1.68
	25	8'	0.39	2.35	2.71	10'	0.39	1.50	1.73	12'	0.55	1.47	1.70	15'	0.86	1.47	1.70	17'	1.13	1.51	1.74
	30	8'	0.49	2.95	3.40	10'	0.49	1.89	2.18	12'	0.63	1.68	1.95	15'	0.93	1.59	1.84	17'	1.20	1.60	1.85
	35	9'	0.51	2.42	2.80	11'	0.51	1.62	1.87	13'	0.73	1.66	1.92	16'	1.03	1.55	1.79	18'	1.25	1.49	1.72
120°	20	7'	0.45	2.67	3.08	9'	0.45	1.62	1.87	11'	0.67	1.59	1.84	14'	1.03	1.51	1.75	16'	1.29	1.46	1.68
	25	8'	0.52	2.35	2.71	10'	0.52	1.50	1.73	12'	0.73	1.47	1.70	15'	1.15	1.47	1.70	17'	1.51	1.51	1.74
	30	8'	0.65	2.95	3.40	10'	0.65	1.89	2.18	12'	0.84	1.68	1.95	15'	1.24	1.59	1.84	17'	1.60	1.60	1.85
	35	9'	0.68	2.42	2.80	11'	0.68	1.62	1.87	13'	0.97	1.66	1.92	16'	1.37	1.55	1.79	18'	1.67	1.49	1.72
180°	20	7'	0.68	2.67	3.08	9'	0.68	1.62	1.87	11'	1.00	1.59	1.84	14'	1.54	1.51	1.75	16'	1.94	1.46	1.68
	25	8'	0.78	2.35	2.71	10'	0.78	1.50	1.73	12'	1.10	1.47	1.70	15'	1.72	1.47	1.70	17'	2.26	1.51	1.74
	30	8'	0.98	2.95	3.40	10'	0.98	1.89	2.18	12'	1.26	1.68	1.95	15'	1.86	1.59	1.84	17'	2.40	1.60	1.85
	35	9'	1.02	2.42	2.80	11'	1.02	1.62	1.87	13'	1.46	1.66	1.92	16'	2.06	1.55	1.79	18'	2.50	1.49	1.72
240°	20	7'	0.91	2.67	3.08	9'	0.91	1.62	1.87	11'	1.33	1.59	1.84	14'	2.05	1.51	1.75	16'	2.59	1.46	1.68
	25	8'	1.04	2.35	2.71	10'	1.04	1.50	1.73	12'	1.47	1.47	1.70	15'	2.29	1.47	1.70	17'	3.01	1.51	1.74
	30	8'	1.31	2.95	3.40	10'	1.31	1.89	2.18	12'	1.68	1.68	1.95	15'	2.48	1.59	1.84	17'	3.20	1.60	1.85
	35	9'	1.36	2.42	2.80	11'	1.36	1.62	1.87	13'	1.95	1.66	1.92	16'	2.75	1.55	1.79	18'	3.33	1.49	1.72
270°	20	7'	1.02	2.67	3.08	9'	1.02	1.62	1.87	11'	1.50	1.59	1.84	14'	2.31	1.51	1.75	16'	2.91	1.46	1.68
	25	8'	1.17	2.35	2.71	10'	1.17	1.50	1.73	12'	1.65	1.47	1.70	15'	2.58	1.47	1.70	17'	3.39	1.51	1.74
	30	8'	1.47	2.95	3.40	10'	1.47	1.89	2.18	12'	1.89	1.68	1.95	15'	2.79	1.59	1.84	17'	3.60	1.60	1.85
	35	9'	1.53	2.42	2.80	11'	1.53	1.62	1.87	13'	2.19	1.66	1.92	16'	3.09	1.55	1.79	18'	3.75	1.49	1.72
360°	20	7'	1.36	2.67	3.08	9'	1.36	1.62	1.87	11'	2.00	1.59	1.84	14'	3.08	1.51	1.75	16'	3.88	1.46	1.68
	25	8'	1.56	2.35	2.71	10'	1.56	1.50	1.73	12'	2.20	1.47	1.70	15'	3.44	1.47	1.70	17'	4.52	1.51	1.74
	30	8'	1.96	2.95	3.40	10'	1.96	1.89	2.18	12'	2.52	1.68	1.95	15'	3.72	1.59	1.84	17'	4.80	1.60	1.85
	35	9'	2.04	2.42	2.80	11'	2.04	1.62	1.87	13'	2.92	1.66	1.92	16'	4.12	1.55	1.79	18'	5.00	1.49	1.72
40	10'	2.92	2.81	3.25	12'	2.92	1.95	2.25	14'	3.36	1.65	1.91	17'	4.52	1.51	1.74	19'	5.52	1.47	1.70	

Note: The Institutional Spray's built-in pressure regulation controls output to a maximum of 30 PSI.

The Ideal Solution for Curving Landscapes

Today more and more landscapes are requiring a nozzle that can deliver effective coverage to sites whose plot plans don't fall into the standard 90°, 180°, and 360° angles. Irregularly shaped planter beds and meandering walkways create landscapes with odd angles that are in need of an irrigation solution. Hunter adjustable arc nozzles can be set at any angle from 25 to 360 degrees, allowing sprinklers to be fine-tuned to the precise pattern needed. Eliminate the wasted water that would normally end up overshooting your lawn and land on the sidewalk and eliminate dry spots in those few extra degrees of grass that others nozzles can't quite reach. Best of all, no tools are required to adjust the arc, it's all done easily by hand.



Specialty Nozzles



Short Radius

Short Radius Nozzles Performance Data

Color Code: Light Brown ●						Color Code: Light Green ●					Color Code: Light Blue ●				
Arc	Pressure PSI	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr	Nozzle	Radius ft.	Flow GPM	Precip in/hr		
90°	20	2Q	2'	0.09	8.66	4Q	4'	0.20	4.81	6Q	6'	0.47	5.03		
	25		2'	0.10	9.63		4'	0.22	5.29		6.11	6'	0.49	5.24	
	30		2'	0.11	10.59		12.23	4'	0.22		5.29	6.11	6'	0.51	5.45
	35		2'	0.12	11.55		13.34	4'	0.24		5.78	6.67	6'	0.52	5.56
180°	20	2H	2'	0.12	5.78	4H	4'	0.41	4.93	6H	6'	0.95	5.08		
	25		2'	0.14	6.74		7.78	4'	0.43		5.17	5.97	6'	0.97	5.19
	30		2'	0.16	7.70		8.89	4'	0.44		5.29	6.11	6'	0.98	5.24
	35		2'	0.18	8.66		10.00	4'	0.46		5.53	6.39	6'	0.99	5.29
40	2'	0.18	8.66	10.00	4'	0.46	5.53	6.39	6'	1.00	5.35	6.17			



Stream Sprays

Model S-8A Stream Spray Nozzle Performance Data

Adjustable from 25° to 360°

Color Code: Blue ●

Arc	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
90°	20	7	0.29	2.28
	25	8	0.32	1.93
	30	8	0.35	2.11
	35	8	0.38	2.29
180°	20	7	0.54	2.12
	25	8	0.57	1.71
	30	8	0.60	1.80
	35	8	0.63	1.89
360°	20	7	1.08	2.12
	25	8	1.11	1.67
	30	8	1.15	1.73
	35	8	1.18	1.77

Model S-16A Stream Spray Nozzle Performance Data

Adjustable from 25° to 360°

Color Code: Blue ●

Arc	Pressure PSI	Radius ft.	Flow GPM	Precip in/hr
90°	20	15	0.40	0.68
	25	16	0.46	0.80
	30	16	0.50	0.75
	35	17	0.54	0.72
180°	20	15	0.67	0.57
	25	16	0.80	0.60
	30	16	0.88	0.66
	35	17	0.97	0.65
360°	20	15	1.19	0.51
	25	16	1.46	0.55
	30	16	1.66	0.62
	35	17	1.82	0.61



Strip Patterns

Strip Pattern Nozzle Performance Data

Color Code: Blue ●

Nozzle Model	Pressure PSI	Width x Length	Flow GPM	Precip in/hr
LCS-515	20	4' x 14'	0.55	0.95
	25	5' x 15'	0.60	0.77
	30	5' x 15'	0.65	0.83
	35	5' x 15'	0.70	0.90
RCS-515	20	4' x 14'	0.55	0.95
	25	5' x 15'	0.60	0.77
	30	5' x 15'	0.65	0.83
	35	5' x 15'	0.70	0.90
SS-530	20	4' x 28'	1.10	0.95
	25	5' x 30'	1.20	0.77
	30	5' x 30'	1.30	0.83
	35	5' x 30'	1.40	0.90



Flood Bubbler (Pressure Compensating)

PCN Nozzle & PCB Performance Data

Model	Pressure PSI	Flow GPM
25	30	0.25
50	30	0.50
10	30	1.0
20	30	2.0



Strip Bubbler

5-CST-B Bubbler Nozzle Performance Data

Pressure PSI	Radius ft.	Flow GPM
20	5'	0.30
25	5'	0.32
30	5'	0.38
35	5'	0.40
40	5'	0.42



Multi-Stream Bubbler (Pressure Compensating)

Multi-Stream Bubbler Performance Data

Arc	Model	Pressure PSI	Flow GPM
90°	MSBN-25Q	30	0.25
	MSBN-50Q	30	0.50
180°	MSBN-50H	30	0.50
	MSBN-10H	30	1.00
360°	MSBN-10F	30	1.00
	MSBN-20F	30	2.00

SPECIFICATION GUIDE

EXAMPLE: **PROS - 04 - CV - 15H**

MODEL	POP-UP HEIGHT	OPTIONS	NOZZLE SERIES	PATTERN
PROS = Pro-Spray	00 = Shrub 04 = 4' Pop-up 06 = 6' Pop-up 12 = 12' Pop-up	CV = Factory-Installed Drain Check Valve (Pop-up Models Only) CV-R = Factory-Installed Reclaimed Body Cap	8 = 8 Series 10 = 10 Series 12 = 12 Series 15 = 15 Series 17 = 17 Series*	A = Adjustable Q = Quarter-Circle H = Half-Circle F = Full-Circle

Note: Bodies and nozzles sold separately. Also compatible with Hunter's bubbler and specialty nozzles.
* 17 Series available in Adjustable, Half, and Quarter-Circle patterns only.