

PRO-S™ SPRAYS



5
YEAR
WARRANTY

The Pro-S Spray is designed to provide long life and outstanding performance.

- ▶ **Co-Molded Wiper Seal** – Ensures a leak free, full pop-up operation even under low-pressure situations. Cartridge design allows for easy removal and cleaning. Treated with UV inhibitors for long life. Seal is microbe resistant to reduce degradation and stick-ups.
- ▶ **Accepts Female Threaded Nozzles**
- ▶ **Ratcheting Riser** – Permits quick, easy alignment of spray pattern.
- ▶ **Heavy-Duty Retraction Spring** – Strongest spring in the industry for positive retraction in all soil conditions.
- ▶ **Side and Bottom Inlets** – On 6" and 12" models.
- ▶ **Wide Selection of Sizes** – Available in 2", 3", 4", 6" and 12" models.
- ▶ **Pre-Installed Flush Cap**
- ▶ **Optional In-stem Pressure Regulator** – available for 4", 6" and 12" models
- ▶ **Five Year Limited Warranty.**

K
RAIN®

**IRRIGATION SOLUTIONS
WORLDWIDE™**

PRO-S™ SPRAYS

The result of precision engineering and extensive field testing by contractors around the world, the PRO-S is designed to provide long life and outstanding performance. PRO-S sprays are rugged, contractor-friendly sprays. Available in 2", 3", 4", 6" and 12" pop-up heights, the PRO-S spray is designed to be compatible with all standard female-threaded nozzles.

PRO-S pop-up sprays are built with the contractor in mind. The co-molded wiper seal ensures proper operation time after time with minimal flow by.

RUGGED CONSTRUCTION

The K-Rain Pro-S line of sprays is distinguished by its robust construction, rugged body and cap, co-molded seal and heavy-duty retraction spring.



MODELS

78002	2" Pop-up (5 cm)	78006	6" Pop-up (15 cm)
78003	3" Pop-up (7.5 cm)	78012	12" Pop-up (30 cm)
78004	4" Pop-up (10 cm)		

OTHER OPTIONS: ADD TO PART NUMBER

- PR Pressure Regulator (4", 6" & 12" models only)



CO-MOLDED WIPER SEAL

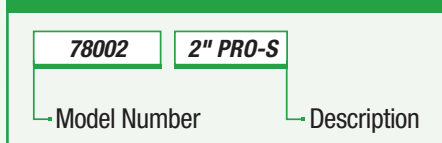
Ensures a leak free, full pop-up operation even under low-pressure situations. Unique cartridge design featuring microbe-resistant durable material prevents degradation and stick-ups.



Pre-installed flush cap.

Male threaded body is compatible with all standard female nozzles.

HOW TO SPECIFY



K-Rain Manufacturing Corp.
1640 Australian Avenue
Riviera Beach, FL 33404 USA
+1 561 844-1002
FAX: +1 561 842-9493

1.800.735.7246 | www.krain.com

SPECIFICATIONS

- ▶ Pressure Rating: 20 - 70 PSI
- ▶ Flow-by: 0 to 8 psi (0.6 bar) 0.20 gpm
- ▶ Precipitation Rate: .4 - 4 in./hr
- ▶ Inlet: 1/2" NPT Female Thread

▶ Overall Body Height:

- 78002 - 4"
- 78003 - 4 7/8"
- 78004 - 6"
- 78006 - 9 3/8"
- 78012 - 16"

KVF NOZZLES

K-Rain's KVF Adjustable Nozzles have a FEMALE thread configuration to fit PRO-S Spray bodies.



K-RAIN VARIABLE ARC NOZZLES STANDARD PERFORMANCE DATA

ARC	PRESSURE (PSI)	KVF-8; 8' GREEN RADIUS FLOW (FT) (GPM)		KVF-10; 10' BLUE RADIUS FLOW (FT) (GPM)		KVF-12; 12' BROWN RADIUS FLOW (FT) (GPM)		KVF-15; 15' BLACK RADIUS FLOW (FT) (GPM)	
45	20	9	0.5	12	0.5	12	0.8	16	0.9
	30	10	0.8	13	0.8	14	0.9	17	1.1
	40	10	1.0	13	1.0	14	1.1	18	1.3
	50	11	1.1	14	1.1	15	1.2	19	1.4
90	20	9	0.7	12	0.7	12	1.1	15	1.3
	30	9	1.1	12	1.1	13	1.3	17	1.6
	40	10	1.4	13	1.4	14	1.5	18	1.8
	50	11	1.5	14	1.5	15	1.7	19	2.0
120	20	8	1.1	11	1.1	11	1.4	14	1.7
	30	9	1.4	12	1.4	12	1.6	16	2.1
	40	10	1.7	13	1.7	13	2.0	17	2.3
	50	10	1.9	13	1.9	14	2.2	18	2.6
180	20	8	1.4	11	1.4	11	1.6	14	1.8
	30	8	1.6	11	1.6	12	1.8	15	2.3
	40	9	1.8	12	1.8	13	2.2	16	2.6
	50	10	2.0	13	2.0	14	2.4	18	2.8
240	20	8	1.3	10	1.3	11	1.8	14	2.4
	30	8	1.9	11	1.9	12	2.3	15	2.9
	40	9	2.2	12	2.2	13	2.4	16	3.2
	50	9	2.5	12	2.5	13	2.9	17	3.7
270	20	8	1.7	10	1.7	11	1.9	14	2.7
	30	8	2.0	10	2.0	12	2.4	15	3.2
	40	8	2.3	11	2.3	12	2.6	16	3.6
	50	9	2.6	12	2.6	13	3.0	16	4.0
360	20	8	2.2	10	2.2	11	2.8	13	3.4
	30	8	2.7	10	2.7	12	3.1	15	4.2
	40	8	3.0	11	3.0	12	3.5	15	4.7
	50	8	3.5	12	3.5	13	3.9	16	5.3

K-RAIN VARIABLE ARC NOZZLES METRIC PERFORMANCE DATA

ARC	PRESSURE (kPa) (BARS)	KVF-8; 8' GREEN RADIUS FLOW (M) (L/M)		KVF-10; 10' BLUE RADIUS FLOW (M) (L/M)		KVF-12; 12' BROWN RADIUS FLOW (M) (L/M)		KVF-15; 15' BLACK RADIUS FLOW (M) (L/M)		
45	138	1.38	2.7	1.9	3.7	1.9	3.7	3.0	4.9	3.4
	207	2.07	3.0	3.0	4.0	3.0	4.3	3.4	5.2	4.2
	276	2.76	3.0	3.8	4.0	3.8	4.3	4.2	5.5	4.9
	345	3.45	3.4	4.2	4.3	4.2	4.6	4.5	5.8	5.3
90	138	1.38	2.7	2.6	5.5	6.4	4.6	4.9	3.7	4.2
	207	2.07	2.7	4.2	3.7	4.0	4.9	4.2	5.2	6.1
	276	2.76	3.0	5.3	4.0	5.3	4.3	5.7	5.5	6.8
	345	3.45	3.4	5.7	4.3	5.7	4.6	6.4	5.8	7.6
120	138	1.38	2.4	4.2	3.4	4.2	3.4	5.3	4.3	6.4
	207	2.07	2.7	5.3	3.7	5.3	3.7	6.1	4.9	7.9
	276	2.76	3.0	6.4	4.0	6.4	4.0	7.6	5.2	8.7
	345	3.45	3.0	7.2	4.0	7.2	4.3	8.3	5.5	9.8
180	138	1.38	2.4	5.3	3.4	5.3	3.4	6.1	4.3	6.8
	207	2.07	2.4	6.1	3.4	6.1	3.7	6.8	4.6	8.7
	276	2.76	2.7	6.8	3.7	6.8	4.0	8.3	4.9	9.8
	345	3.45	3.0	7.6	4.0	7.6	4.3	9.1	5.5	10.6
240	138	1.38	2.4	4.9	3.0	4.9	3.4	6.8	4.3	9.1
	207	2.07	2.4	7.2	3.4	7.2	3.7	8.7	4.6	11.0
	276	2.76	2.7	8.3	3.7	8.3	4.0	9.1	4.9	12.1
	345	3.45	2.7	9.5	3.7	9.5	4.0	11.0	5.2	14.0
270	138	1.38	2.4	6.4	3.0	6.4	3.4	7.2	4.3	10.2
	207	2.07	2.4	7.6	3.0	7.6	3.7	9.1	4.6	12.1
	276	2.76	2.4	8.7	3.4	8.7	3.7	9.8	4.9	13.6
	345	3.45	2.7	9.8	3.7	9.8	4.0	11.4	4.9	15.1
360	138	1.38	2.4	8.3	3.0	8.3	3.4	10.6	4.0	12.9
	207	2.07	2.4	10.2	3.0	10.2	3.7	11.7	4.6	15.9
	276	2.76	2.4	11.4	3.4	11.4	3.7	13.2	4.6	17.8
	345	3.45	2.4	13.2	3.7	13.2	4.0	14.8	4.9	20.1

Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with nozzle retention screw.