

HYDRO-RAIN®

Built for Speed®

HRN 200

With Hydro-Rain's HRN 200 adjustable-arc nozzles, you can simplify your work without sacrificing quality or functionality. How? For starters, each is adjustable from 0°–360° so you don't have to carry a variety of nozzles with different arcs and waste your time finding just the right one. Matched precipitation nozzle sizes cover the entire project.

Plus, all HRN 200s are conveniently color-coded to indicate their particular spray radius. And, thanks to the easy-to-grip, coin-edge design on the top of the nozzle, adjusting the arc and spray radius is fast, precise and easy on the hands.

BUILT FOR SPEED ADVANTAGES

- **Fastest to Find**—Body and top are color-coded according to spray radius, making identification a snap, and nozzles and filters come in separate, resealable bags for complete organization.
- **Fastest to Install**—Coin-edging around top of nozzle gives excellent grip-ability no matter the conditions and the exclusive color-coded arc edge indicator lets you set a precise pattern fast.
- **Fastest to Fine Tune**—Exclusive adjustment slot allows use of a screwdriver to give fine arc adjustment during operation, without intruding into the spray pattern.

BUILT FOR GREEN ADVANTAGES

- **Lower Precipitation Rate**—Matched precipitation, combined with outstanding distribution uniformity and lower precipitation rate than competition, generates improved efficiency.
- **Arc Edge Technology**—Three-piece design provides best-in-class right and left arc edges, optimizing distribution uniformity.
- **Oversized Filter**—Large .02 x .02 blue mesh filter reduces maintenance and ensures precipitation rate remains at optimal levels longer.

FEATURES AND BENEFITS

- **Full Arc Adjustment**—0°–360° matched precipitation.
- **Color-coded Arc Edge Indicator**—Eliminates all guesswork by indicating left and right arc edges with water on or off.

ADJUSTABLE PATTERN SPRAY NOZZLES
















HOW TO SPECIFY

HRN 200 04 FS

MODEL	RADIUS	OPT. FEATURES
HRN-200-04	4'	With Filter Screen
HRN-200-08	8'	With Filter Screen
HRN-200-10	10'	With Filter Screen
HRN-200-12	12'	With Filter Screen
HRN-200-15	15'	With Filter Screen
HRN-200-18	18'	With Filter Screen











HRN-200-04-FS – [04100] 0° Trajectory						HRN-200-04-FS – 0° Trajectory							SI [Metric]	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲		
	15	4	0.40	9.50	10.98		1.0	1.2	0.09	0.02	241	279		
	20	4	0.42	10.11	11.68		1.4	1.2	0.10	0.03	257	297		
	25	4	0.46	10.95	12.65		1.7	1.2	0.10	0.03	278	321		
	30	4	0.48	11.55	13.34		2.1	1.2	0.11	0.03	293	339		
	15	4	0.79	9.50	10.98		1.0	1.2	0.18	0.05	241	279		
	20	4	0.74	10.11	11.68		1.4	1.2	0.19	0.05	257	297		
	25	4	0.91	10.95	12.65		1.7	1.2	0.21	0.06	278	321		
	30	4	0.96	11.55	13.34		2.1	1.2	0.22	0.06	293	339		
	15	4	1.19	9.50	10.98		1.0	1.2	0.27	0.07	241	279		
	20	4	1.26	10.11	12.65		1.4	1.2	0.29	0.08	257	297		
	25	4	1.37	10.95	12.65		1.7	1.2	0.31	0.09	278	321		
	30	4	1.44	11.55	13.34		2.1	1.2	0.33	0.09	293	339		
	15	4	1.58	9.50	10.98		1.0	1.2	0.36	0.10	241	279		
	20	4	1.68	10.11	12.65		1.4	1.2	0.38	0.11	257	297		
	25	4	1.82	10.95	12.65		1.7	1.2	0.41	0.11	278	321		
	30	4	1.92	11.55	13.34		2.1	1.2	0.44	0.12	293	339		

HRN-200-08-FS – [04101] 5° Trajectory						HRN-200-08-FS – 5° Trajectory						SI (Metric)	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲	
	15	7	0.53	4.16	4.81		1.0	2.1	0.12	0.03	106	122	
	20	7	0.58	4.52	5.22		1.4	2.1	0.13	0.04	115	133	
	25	8	0.62	3.70	4.27		1.7	2.4	0.14	0.04	94	109	
	30	9	0.65	3.09	3.57		2.1	2.7	0.15	0.04	78	91	
	15	7	1.06	4.16	4.81		1.0	2.1	0.24	0.07	106	122	
	20	7	1.15	4.52	5.22		1.4	2.1	0.26	0.07	115	133	
	25	8	1.23	3.70	4.27		1.7	2.4	0.28	0.08	94	109	
	30	9	1.30	3.09	3.57		2.1	2.7	0.30	0.08	78	91	
	15	7	1.59	4.16	4.81		1.0	2.1	0.36	0.10	106	122	
	20	7	1.73	4.52	5.22		1.4	2.1	0.39	0.11	115	133	
	25	8	1.85	3.70	4.27		1.7	2.4	0.42	0.12	94	109	
	30	9	1.95	3.09	3.57		2.1	2.7	0.44	0.12	78	91	
	15	7	2.12	4.16	4.81		1.0	2.1	0.48	0.13	106	122	
	20	7	2.30	4.52	5.22		1.4	2.1	0.52	0.15	115	133	
	25	8	2.46	3.70	4.27		1.7	2.4	0.56	0.16	94	109	
	30	9	2.60	3.09	3.57		2.1	2.7	0.59	0.16	78	91	

HRN-200-10-FS - (04102) 10° Trajectory						HRN-200-10-FS - 10° Trajectory						SI (Metric)	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲	
	15	8	0.51	3.04	3.51		1.0	2.4	0.11	0.02	77	89	
	20	8	0.57	3.43	3.96		1.4	2.4	0.13	0.04	87	101	
	25	9	0.59	2.82	3.25		1.7	2.7	0.13	0.04	72	83	
	30	10	0.67	2.56	2.96		2.1	3.0	0.15	0.04	65	75	
	15	8	1.01	3.04	3.51		1.0	2.4	0.23	0.06	77	89	
	20	8	1.14	3.43	3.96		1.4	2.4	0.26	0.07	87	101	
	25	9	1.19	2.82	3.25		1.7	2.7	0.27	0.07	72	83	
	30	10	1.33	2.56	2.96		2.1	3.0	0.30	0.08	65	75	
	15	8	1.52	3.04	3.51		1.0	2.4	0.34	0.10	77	89	
	20	8	1.71	3.43	3.96		1.4	2.4	0.39	0.11	87	101	
	25	9	1.78	2.82	3.25		1.7	2.7	0.40	0.11	72	83	
	30	10	2.00	2.56	2.96		2.1	3.0	0.45	0.13	65	75	
	15	8	2.02	3.04	3.51		1.0	2.4	0.46	0.13	77	89	
	20	8	2.28	3.43	3.96		1.4	2.4	0.52	0.14	87	101	
	25	9	2.37	2.82	3.25		1.7	2.7	0.54	0.15	72	83	
	30	10	2.66	2.56	2.96		2.1	3.0	0.60	0.17	65	75	

HRN-200-12-FS – (04103) 15° Trajectory							HRN-200-12-FS – 15° Trajectory							SI (Metric)	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲			
	15	11	0.52	1.65	1.91		1.0	3.4	0.12	0.03	42	49			
	20	11	0.61	1.94	2.24		1.4	3.4	0.14	0.04	49	57			
	25	12	0.70	1.86	2.15		1.7	3.7	0.16	0.04	47	55			
	30	13	0.71	1.61	1.86		2.1	4.0	0.16	0.04	41	47			
	15	11	1.04	1.65	1.91		1.0	3.4	0.24	0.07	42	49			
	20	11	1.22	1.94	2.24		1.4	3.4	0.28	0.08	49	57			
	25	12	1.40	1.86	2.15		1.7	3.7	0.32	0.09	47	55			
	30	13	1.41	1.61	1.86		2.1	4.0	0.32	0.09	41	47			
	15	11	1.56	1.65	1.91		1.0	3.4	0.35	0.10	42	49			
	20	11	1.83	1.94	2.24		1.4	3.4	0.42	0.12	49	57			
	25	12	2.09	1.86	2.15		1.7	3.7	0.48	0.13	47	55			
	30	13	2.12	1.61	1.86		2.1	4.0	0.48	0.13	41	47			
	15	11	2.08	1.65	1.91		1.0	3.4	0.47	0.13	42	49			
	20	11	2.44	1.94	2.24		1.4	3.4	0.55	0.15	49	57			
	25	12	2.79	1.86	2.15		1.7	3.7	0.63	0.18	47	55			
	30	13	2.82	1.61	1.86		2.1	4.0	0.64	0.18	41	47			

HRN-200-15-FS – (04104) 23° Trajectory						HRN-200-15-FS – 23° Trajectory						SI (Metric)	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲	
	15	14	0.69	1.35	1.56		1.0	4.3	0.16	0.04	34	40	
	20	14	0.72	1.41	1.63		1.4	4.3	0.16	0.05	36	41	
	25	15	0.75	1.29	1.49		1.7	4.6	0.17	0.05	33	38	
	30	16	0.78	1.17	1.36		2.1	4.9	0.18	0.05	30	34	
	15	14	1.38	1.35	1.56		1.0	4.3	0.31	0.09	34	40	
	20	14	1.44	1.41	1.63		1.4	4.3	0.33	0.09	36	41	
	25	15	1.51	1.29	1.49		1.7	4.6	0.34	0.09	33	38	
	30	16	1.56	1.17	1.36		2.1	4.9	0.35	0.10	30	34	
	15	14	2.06	1.35	1.56		1.0	4.3	0.47	0.13	34	40	
	20	14	2.15	1.41	1.63		1.4	4.3	0.49	0.14	36	41	
	25	15	2.26	1.29	1.49		1.7	4.6	0.51	0.14	33	38	
	30	16	2.34	1.17	1.36		2.1	4.9	0.53	0.15	30	34	
	15	14	2.75	1.35	1.56		1.0	4.3	0.62	0.17	34	40	
	20	14	2.87	1.41	1.63		1.4	4.3	0.65	0.18	36	41	
	25	15	3.01	1.29	1.49		1.7	4.6	0.68	0.19	33	38	
	30	16	3.12	1.17	1.36		2.1	4.9	0.71	0.20	30	34	

HRN-200-18-FS – (04105) 26° Trajectory							HRN-200-18-FS – 26° Trajectory							SI (Metric)	
Nozzle	Pressure PSI	Radius ft.	Flow GPM	Precip. in./h ▀	Precip. in./h ▲	Nozzle	Pressure Bars	Radius m	Flow m³/h	Flow l/s	Precip. mm/h ▀	Precip. mm/h ▲			
	15	15	0.71	1.22	1.41		1.0	4.6	0.16	0.04	31	36			
	20	16	0.74	1.11	1.29		1.4	4.9	0.17	0.05	28	33			
	25	17	0.78	1.04	1.20		1.7	5.2	0.18	0.05	26	30			
	30	18	0.83	0.98	1.13		2.1	5.5	0.19	0.05	25	29			
	15	15	1.43	1.22	1.41		1.0	4.6	0.32	0.09	31	36			
	20	16	1.48	1.11	1.29		1.4	4.9	0.34	0.09	28	33			
	25	17	1.56	1.04	1.20		1.7	5.2	0.35	0.10	26	30			
	30	18	1.65	0.98	1.13		2.1	5.5	0.37	0.10	25	29			
	15	15	2.14	1.22	1.41		1.0	4.6	0.49	0.13	31	36			
	20	16	2.22	1.11	1.29		1.4	4.9	0.50	0.14	28	33			
	25	17	2.34	1.04	1.20		1.7	5.2	0.53	0.15	26	30			
	30	18	2.48	0.98	1.13		2.1	5.5	0.56	0.16	25	29			
	15	15	2.85	1.22	1.41		1.0	4.6	0.65	0.18	31	36			
	20	16	2.96	1.11	1.29		1.4	4.9	0.67	0.19	28	33			
	25	17	3.12	1.04	1.20		1.7	5.2	0.71	0.20	26	30			
	30	18	3.30	0.98	1.13		2.1	5.5	0.75	0.21	25	29			

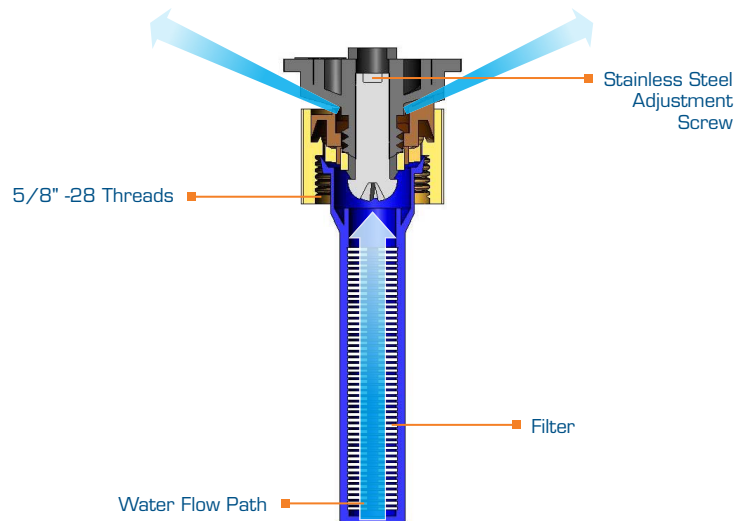
HYDRO-RAIN®

Built for Speed®

HRN 200

- **Three-piece Design**—Nozzle stop stays flush to wiper seal across full range of arc adjustment, minimizing susceptibility to damage from lawn equipment and traffic.
- **Stainless Steel Adjustment**—Slotted screw provides precise radius adjustment.
- **Blue Filter Screen**—.02 x .02 filter screen included standard.
- **Compatibility**—Fits Hydro-Rain®, Rain Bird®, and Hunter®.

HRN 200 CUTAWAY



OPERATING RANGE

- **Radius:**
 - HRN 200 04: 4 feet (1.2m)
 - HRN 200 08: 8 feet (2.4m)
 - HRN 200 10: 10 feet (3.0m)
 - HRN 200 12: 12 feet (3.7m)
 - HRN 200 15: 15 feet (4.6m)
 - HRN 200 18: 18 feet (5.5m)
- **Flow:** See chart information for pressure/flow data
- **Optimal Pressure Range:** 15~30 PSI (70 PSI maximum)
- **Filtration:** .02 X .02 Mesh



PN 04100-36 rE