RPS™ 75i

Application: Residential / Commercial

Patented Intelligent Flow Technology® allows distance and water flow to be reduced simultaneously and proportionately up to 50%.

With a simple turn of the Flow Control, RPS™ 75i delivers even water distribution, eliminates dry spots and provides better zone performance. Experience superior uniformity and water savings up to 30%.

A direct replacement for Hunter® PGP® and PGP Ultra®, the RPS™ 75i fits right into the same can.

Easy Arc Setting

Arc Selection 40° to 360°
Adjust From Right Start

Intelligent Flow Technology®

Features and Benefits

- **Reduce Distance and Flow Rate Proportionately.**
- **Includes 5 Free Check Valve Assemblies Per Box**
- **Save Time on Every Project —** New or retrofit.
- **Rugged RPS Family Construction.**
- **Conserves Water.**
- **Superior Uniformity.**
- **Fewer Zones Required.**
- **Improved Hydraulics.**

Specifications

- Inlet: 3/4" (1,9 cm) Threaded NPT

Performance Data

NOZZLE	PRESSURE			NO ADJUSTMENT								-30% ADJUSTMENT								-50% ADJUSTMENT							
				RADIUS		FLOW		PRECIP in/hr		mm/hr		RADIUS		FLOW		PRECIP in/hr		mm/hr		RADIUS		FLOW		PRECIP in/hr		mm/hr	
	PSI	kPa	Bar	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲
#1.0	30	207	2,1	31'	9,4	1.1	4,2	.22	.25	6	6	22'	7	0.8	3,0	.31	.36	8	9	16	5	0.6	2,3	.44	.51	11	13
	40	276	2,8	32'	9,8	1.4	5,3	.26	.30	7	8	22'	7	1.0	3,8	.38	.43	10	11	16	5	0.7	2,7	.53	.61	13	15
	50	345	3,4	33'	10,1	1.6	6,1	.28	.33	7	8	23'	7	1.1	4,1	.40	.47	10	12	17	5	0.8	3,0	.57	.65	14	17
	60	414	4,1	34'	10,4	1.8	6,8	.30	.35	8	9	24'	7	1.3	4,9	.43	.49	11	13	17	5	0.9	3,4	.60	.69	15	18
#1.5	30	207	2,1	33'	10,1	1.5	5,7	.27	.31	7	8	23'	7	1.1	4,1	.38	.44	10	11	17	5	0.8	3,0	.53	.61	13	16
	40	276	2,8	35'	10,7	1.8	6,8	.28	.33	7	8	25'	8	1.3	4,9	.40	.47	10	12	18	5	0.9	3,4	.57	.65	14	17
	50	345	3,4	35'	10,7	2.0	7,6	.31	.36	8	9	25'	8	1.4	5,3	.45	.52	11	13	18	5	1.0	3,8	.63	.73	16	18
	60	414	4,1	36'	11,0	2.2	8,3	.33	.38	8	10	25'	8	1.5	5,7	.47	.54	12	14	18	5	1.1	4,2	.65	.76	17	19
#2.0	30	207	2,1	33'	10,1	1.8	6,8	.32	.37	8	9	23'	7	1.3	4,9	.45	.53	11	13	17	5	0.9	3,4	.64	.74	16	19
	40	276	2,8	34'	10,4	2.1	7,9	.35	.40	9	10	24'	7	1.5	5,7	.50	.58	13	15	17	5	1.1	4,2	.70	.81	18	21
	50	345	3,4	36'	11,0	2.4	9,1	.36	.41	9	10	25'	8	1.7	6,4	.51	.59	13	15	18	5	1.2	4,5	.71	.82	18	21
	60	414	4,1	38'	11,6	2.7	10,2	.36	.42	9	11	27'	8	1.9	7,2	.51	.59	13	15	19	6	1.4	5,3	.72	.83	18	21
#2.5	30	207	2,1	35'	10,7	2.2	8,3	.35	.40	9	10	25'	8	1.5	5,7	.49	.57	12	14	18	5	1.1	4,2	.69	.80	18	20
Pre-installed	40	276	2,8	38'	11,6	2.6	9,8	.35	.40	9	10	27'	8	1.8	6,8	.50	.57	13	15	19	6	1.3	4,9	.69	.80	18	20
	50	345	3,4	39'	11,9	3.0	11,4	.38	.44	10	11	27'	8	2.1	7,9	.54	.63	14	16	20	6	1.5	5,7	.76	.88	19	22
	60	414	4,1	40'	12,2	3.3	12,5	.40	.46	10	12	28'	9	2.3	8,7	.57	.66	14	17	20	6	1.7	6,4	.79	.92	20	23
#3.0	30	207	2,1	38'	11,6	2.7	10,2	.36	.42	9	11	27'	8	1.9	7,1	.51	.59	13	15	19	6	1.4	5,3	.72	.83	18	21
	40	276	2,8	40'	12,2	3.1	11,7	.37	.43	9	11	28'	9	2.2	8,3	.53	.62	13	16	20	6	1.6	6,1	.75	.86	19	22
	50	345	3,4	41'	12,5	3.5	13,3	.40	.46	10	12	29'	9	2.5	9,5	.57	.66	14	17	21	6	1.8	6,8	.80	.93	20	24
	60	414	4,1	41'	12,5	3.9	14,8	.45	.52	11	13	29'	9	2.7	10,2	.64	.74	16	19	21	6	2.0	7,6	.89	1.03	23	26
#4.0	30	207	2,1	38'	11,6	3.5	13,3	.47	.54	12	14	27'	8	2.5	9,5	.67	.77	17	20	19	6	1.8	6,8	.93	1.08	24	27
	40	276	2,8	40'	12,2	4.0	15,1	.48	.56	12	14	28'	9	2.8	10,6	.69	.79	18	20	20	6	2.0	7,6	.96	1.11	24	28
	50	345	3,4	43'	13,1	4.4	16,7	.46	.53	12	13	30'	9	3.1	11,7	.65	.76	17	19	22	7	2.2	8,3	.92	1.06	23	27
	60	414	4,1	43'	13,1	4.9	18,6	.51	.59	13	15	30'	9	3.4	12,9	.73	.84	19	21	22	7	2.5	9,5	1.02	1.18	26	30
#5.0	30	207	2,1	43'	13,1	4.4	16,7	.46	.53	12	13	30'	9	3.1	11,7	.65	.76	17	19	22	7	2.2	8,3	.92	1.06	23	27
	40	276	2,8	43'	13,1	5.0	18,9	.52	.60	13	15	30'	9	3.5	13,3	.74	.86	19	22	22	7	2.5	9,5	1.04	1.20	26	31
	50	345	3,4	44'	13,4	5.5	20,8	.55	.63	14	16	31'	9	3.9	14,8	.78	.90	20	23	22	7	2.8	10,6	1.09	1.26	28	32
	60	414	4,1	42'	12,8	5.9	22,3	.64	.74	16	19	29'	9	4.1	15,5	.92	1.06	23	27	21	6	3.0	11,4	1.29	1.49	28	38
#6.0	30	207	2,1	40'	12,2	5.0	18,9	.60	.70	15	18	28'	9	3.5	13,3	.86	.99	22	25	20	6	2.5	9,5	1.20	1.39	30	35
	40	276	2,8	43'	13,1	5.9	22,3	.61	.71	15	18	30'	9	4.1	15,5	.88	1.01	22	26	22	7	3.0	11,4	1.23	1.42	31	36
	50	345	3,4	43'	13,1	6.6	25,0	.69	.79	18	20	30'	9	4.6	17,4	.98	1.13	25	29	22	7	3.3	12,5	1.37	1.59	35	40
	60	414	4,1	44'	13,4	7.3	27,6	.73	.84	19	21	31'	9	5.1	19,3	1.04	1.20	26	30	22	7	3.7	14,0	1.45	1.68	37	43
#8.0	30	276	2,8	43'	13,1	6.8	25,7	.71	.82	18	21	30'	9	4.8	18,2	1.01	1.17	26	30	22	7	3.4	12,9	1.42	1.64	36	42
	40	345	3,4	47'	14,3	7.9	29,9	.69	.80	18	20	33'	10	5.5	20,8	.98	1.14	25	29	24	7	4.0	15,1	1.38	1.59	35	40
	50	414	4,1	48'	14,6	8.8	33,3	.74	.85	19	22	34'	10	6.2	23,5	1.05	1.21	27	31	24	7	4.4	16,7	1.47	1.70	37	43
	60	483	4,8	47'	14,3	9.7	36,7	.85	.98	22	25	33'	10	6.8	25,7	1.21	1.40	31	35	24	7	4.9	18,6	1.69	1.95	43	50

Low Angle Performance Data

NOZZLE	PRESSURE			NO ADJUSTMENT								-30% ADJUSTMENT								-50% ADJUSTMENT							
				RADIUS		FLOW		PRECIP in/hr		mm/hr		RADIUS		FLOW		PRECIP in/hr		mm/hr		RADIUS		FLOW		PRECIP in/hr		mm/hr	
	PSI	kPa	Bar	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲	Ft.	M.	GPM	L/M	■	▲	■	▲
#1.0	30	207	2,1	26'	7,9	0.9	3,4	.25	.29	6	7	18'	5	0.6	2,3	.35	.41	9	10	13	4	0.4	1,5	.50	.57	13	15
	40	276	2,8	27'	8,2	1.0	3,8	.26	.31	7	8	19'	6	0.7	2,7	.38	.44	10	11	14	4	0.5	1,9	.53	.61	13	15
	50	345	3,4	27'	8,2	1.2	4,5	.32	.37	8	9	19'	6	0.8	3,0	.45	.52	11	13	14	4	0.6	2,3	.63	.73	16	19
	60	414	4,1	26'	7,9	1.4	5,3	.40	.46	10	12	18'	5	1.0	3,8	.57	.66	14	17	13	4	0.7	2,7	.80	.92	20	24
#1.5	30	207	2,1	28'	8,5	1.3	4,9	.32	.37	8	9	20'	6	0.9	3,4	.46	.53	12	13	14	4	0.7	2,7	.64	.74	16	19
	40	276	2,8	29'	8,8	1.5	5,7	.34	.40	9	10	20'	6	1.1	4,2	.49	.57	12	14	15	5	0.8	3,0	.69	.79	18	20
	50	345	3,4	30'	9,1	1.7	6,4	.36	.42	9	11	21'	6	1.2	4,5	.52	.60	13	15	15	5	0.9	3,4	.73	.84	19	21
	60	414	4,1	31'	9,4	1.9	7,2	.38	.44	10	11	22'	7	1.3	4,9	.54	.63	14	16	16	5	1.0	3,8	.76	.88	19	22
#2.0	30	207	2,1	29'	8,8	1.9	7,2	.44	.50	11	13	20'	6	1.3	4,9	.62	.72	16	18	15	5	1.0	3,8	.87	1.00	22	26
	40	276	2,8	32'	9,8	2.2	8,3	.41	.48	10	12	22'	7	1.5	5,7	.59	.68	15	17	16	5	1.1	4,2	.83	.96	21	24
	50	345	3,4	33'	10,1	2.5	9,5	.44	.51	11	13	23'	7	1.8	6,8	.63	.73	16	19	17	5	1.3	4,9	.88	1.02	22	26
	60	414	4,1	34'	10,4	2.8	10,6	.47	.54	12	14	24'	7	2.0	7,6	.67	.77	17	20	17	5	1.4	5,3	.93	1.08	24	27
#3.0	30	207	2,1	32'	9,8	2.5	9,5	.47	.54	13	14	22'	7	1.8	6,8	.67	.78	17	20	16	5	1.3	4,9	.94	1.09	24	28
	40	276	2,8	34'	10,4	3.0	11,4	.50	.58	14	15	24'	7	2.1	7,9	.71	.82	18	21	17	5	1.5	5,7	1.00	1.15	25	29
	50	345	3,4	35'	10,7	3.5	13,3	.55	.64	15	16	25'	8	2.5	9,5	.79	.91	20	23	18	5	1.8	6,8	1.10	1.27	28	32
	60	414	4,1	36'	11,0	4.0	15,1	.59	.69	17	17	25'	8	2.8	10,6	.85	.98	22	25	18	5	2.0	7,6	1.19	1.37	30	35

**All precipitation rates calculated for 180° operation. For the precipitation rate for a 360° sprinkler, divide by 2.*