

# R.F.R. Rondo Flow Regulated

*Flow-regulated Mini-Sprinkler*



**R.F.R. provides a constant flow rate over a wide pressure range**

**Main Features:**

- Allows use of long run irrigation laterals
- Ensures constant flow rate under the most challenging topographical conditions
- Low irrigation application rate with gentle droplets - prevents run off on non-penetrable soils
- Bayonet mount nozzles
- Available with anti-insect protection - prevents clogging caused by insects

- Manufactured from superior durable plastics for long life
- Protected against UV degradation
- Resistant to chemicals and fertilizers commonly used in agriculture

**Specifications:**

- Flow rates: 23, 30, 41, 53, 70, 95 lph
- Working pressure range: 1.5 - 3.5 bar
- 3/8" male threaded nozzle base - accommodates Plastro's Meteor collar adaptors or the threaded hammer stakes
- Two color-coded spinners:
  - Gray - for upright position
  - Red - for inverted position

- Available with a built-in removable range limiter on the spinner

**Materials:**

- Nozzle - Polyacetal
- Bridge frame - Delrin
- Spinner - Polyamide
- Diaphragm - Silicon Elastomer



### Maximum Recommended No. of R.F.R. Mini Sprinklers on Irrigation Laterals

Nozzle Color & Size (mm)	Flow Rate (lph)	Wetting Radius* (m)	Emitter Spacing (m)	Pipe Diameter (mm) O.D. 16 / I.D. 13.6					Pipe Diameter (mm) O.D. 17.8 / I.D. 15.2					Pipe Diameter (mm) O.D. 20 / I.D. 17.4				
				Lateral Inlet Pressure (bar)														
				1.6	2.0	2.5	3.0	3.5	1.6	2.0	2.5	3.0	3.5	1.6	2.0	2.5	3.0	3.5
Black ●	23	2.00	3	15	27	34	40	44	18	33	42	49	54	23	42	51	62	69
			4	14	25	31	37	41	17	30	38	44	49	21	38	47	56	63
			5	13	23	29	34	38	16	28	35	41	46	20	35	44	52	58
Blue ●	30	2.70	3	12	21	28	32	35	15	26	33	39	43	18	33	40	49	55
			4	12	21	28	32	36	15	26	33	39	43	18	33	42	49	54
			5	11	20	25	30	33	13	24	31	36	40	17	30	39	45	50
Dark Blue ●	41	2.80	3	10	19	24	28	31	13	22	29	33	37	16	28	36	42	47
			4	11	20	25	29	32	13	24	30	35	39	17	30	38	45	50
			5	9	16	21	24	27	11	20	25	29	33	14	25	32	37	41
Green ●	53	3.20	3	8	15	19	23	25	10	18	24	27	30	13	23	30	35	38
			4	8	15	19	22	25	10	18	23	27	30	13	23	29	34	38
			5	8	14	17	21	23	9	17	21	25	28	12	21	27	31	35
Red ●	70	4.00	3	7	13	16	19	21	9	16	20	23	26	11	20	25	29	32
			4	7	13	16	19	21	8	15	19	23	25	11	19	25	29	32
			5	6	12	14	17	19	8	14	18	21	23	10	18	23	26	29
White ○	95	4.20	3	6	11	13	16	18	7	13	16	20	22	9	17	21	25	27
			4	5	10	13	15	17	7	12	15	19	21	9	16	20	24	27
			5	4	8	10	13	14	5	10	13	16	18	7	13	17	20	22
			6	4	8	10	12	13	5	10	12	15	16	7	12	16	19	21

\* Nozzle height: 25 cm above ground level



3/8" Threaded Bayonet Nozzle



Diaphragm Holder



Diaphragm

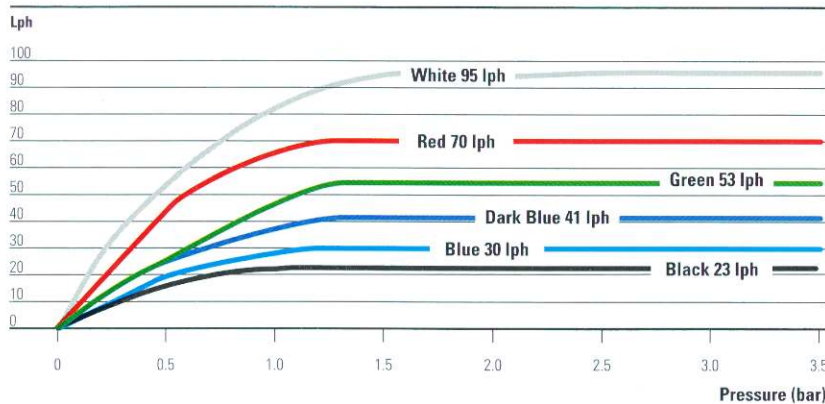


Removable Range Limiter  
Wetting pattern 130-180 cm

Anti-Insect



### R.F.R. - Performance Curves



The data in this leaflet is intended to provide general information only. For design purposes, see PLASTRO EMITTERS manual "Hydraulic performance data for designers".

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