Unirain F30 - F30F

Full Circle Impact Sprinkler
Low and Medium flow Brass

Application

Recommended for agricultural use, and medium flows, it is very suitable for removable pipe systems. It can be assembled with one or two nozzles. It is ideal for farmers, as it is a strong and durable product that reduces evaporation loss and wind effect thanks to its water jet throw radius. It can be assembled with female base thread in order to avoid waste of material.

Advantages

- Made of brass, its arm and body have a wide impact area that provides longer life.
- Its counterweighted arm provides a steady turn speed.
- It can be assembled with one or two nozzles.
- Three different vanes can be used to achieve the desired coverage and spray balance according to the available system pressure.

Technical specifications

- Full circle impact sprinkler
- ¾" base thread male or female(F30F)
- Main and secondary nozzle
- 25º nozzle trajectory angle.
- Pressure range: 20-80 PSI
- Nozzle range: 9/64"-7/32"
- Body, arm and bearing assembly made of brass.
- Fulcrum pin and springs made of stainless steel.
- Color-coded anti abrasive acetal resin nozzles carved in millimetres and inches for a better identification (brass nozzles to be optionally assembled).
- Backturn lock between the sprinkler body and the bearing spring.



F30 F30F

	Pressure (psi)	Nozzles	Vanes
HIGH	60	3PRN ó 3FCN	30 V
MEDIUM	40	3PRN ó 3FCN	WITHOUT VANE
LOW	30	3PRN	30RV
VERY LOW	20	3PRN	30BV

F30 TWO NOZZLES	PRESSURE (PSI)	NOZZLES 9/64" + 3/32" GPM	R(ft)	NOZZLES 5/32" + 3/32" GPM	R(ft)	NOZZLES 11/64" + 3/32" GPM	R(ft)	NOZZLES 3/16" + 3/32" GPM (*)	R(ft)	NOZZLES 3/16" + 1/8" GPM	R(ft)	NOZZLES 13/64" + 1/8" GPM	R(ft)	NOZZLES 7/32" + 1/8" GPM	R(ft)
	20			4.31	39.4	4.96	40.0	5.66	40.7	6.65	40.7	7.47	41.0	8.33	41.3
	25	4.18	40.0	4.83	41.0	5.55	41.3	6.31	42.7	7.40	42.7	8.30	43.0	9.25	44.0
	30	4.58	40.4	5.27	42.7	6.07	44.0	6.93	45.6	8.15	45.6	9.15	46.9	10.20	47.9
	35	4.95	41.0	5.71	43.6	6.57	44.9	7.51	46.9	8.83	46.9	9.93	48.6	11.10	49.9
	40	5.29	41.3	6.11	44.0	7.03	45.9	8.03	47.9	9.46	47.9	10.65	49.6	11.90	50.9
	45	5.61	42.0	6.48	44.6	7.46	46.9	8.53	48.9	10.05	48.9	11.30	50.5	12.64	51.8
	50	5.91	42.7	6.82	44.9	7.87	47.6	9.00	49.9	10.60	49.9	11.90	51.5	13.34	53.1
	55	6.20	43.0	7.15	45.6	8.25	47.9	9.45	50.5	11.10	50.5	12.50	51.8	14.00	53.5
	60	6.48	43.6	7.47	45.9	8.60	48.6	9.86	50.9	11.60	50.9	13.00	52.5	14.50	54.4
	65	6.75	44.0	7.78	46.6	8.93	48.9	10.27	51.5	12.10	51.5	13.50	53.1	15.00	54.5
	70	7.00	44.6	8.08	46.9	9.25	49.5	10.66	51.8	12.50	51.8	14.00	53.5	15.45	55.1
	75	7.25	44.9	8.37	47.6	9.56	49.9	11.02	52.5	12.90	52.5	14.40	54.1	15.90	55.4
	80	7.49	45.6	8.65	47.9	9.87	50.5	11.36	53.1	13.25	53.1	14.80	54.5	16.30	56.1

F30P ONE NOZZLE AND PLUG	PRESSURE (PSI)	NOZZLES 9/64" GPM	R(ft)	NOZZLES 5/32" GPM	R(ft)	NOZZLES 11/64" GPM	R(ft)	NOZZLES 3/16" GPM (*)	R(ft)	NOZZLES 13/64" GPM	R(ft)	NOZZLES 7/32" GPM	R(ft)
	20			3.14	39.4	3.79	40.0	4.49	40.7	5.31	41.0	6.16	41.3
	25	2.88	40.0	3.52	41.0	4.24	41.3	5.00	42.7	5.90	43.0	6.85	44.0
	30	3.15	40.4	3.85	42.7	4.64	44.0	5.50	45.6	6.50	46.9	7.55	47.9
	35	3.40	41.0	4.16	43.6	5.02	44.9	5.96	46.9	7.05	48.6	8.20	49.9
	40	3.64	41.3	4.45	44.0	5.37	45.9	6.38	47.9	7.55	49.6	8.80	50.9
	45	3.86	42.0	4.72	44.6	5.70	46.9	6.78	48.9	8.00	50.5	9.35	51.8
	50	4.07	42.7	4.98	44.9	6.01	47.6	7.16	49.9	8.45	51.5	9.90	53.1
	55	4.27	43.0	5.22	45.6	6.30	47.9	7.52	50.5	8.85	51.8	10.40	53.5
	60	4.46	43.6	5.45	45.9	6.57	48.6	7.85	50.9	9.25	52.5	10.75	54.4
	65	4.65	44.0	5.68	46.6	6.83	48.9	8.18	51.5	9.60	53.1	11.10	54.5
	70	4.83	44.6	5.90	46.9	7.09	49.5	8.50	51.8	9.95	53.5	11.40	55.1
	75	5.00	44.9	6.11	47.6	7.34	49.9	8.80	52.5	10.25	54.1	11.70	55.4
	80	5.17	45.6	6.30	47.9	7.58	50.5	9.09	53.1	10.50	54.5	12.00	56.1

F30V TWO NOZZLES AND VANE TO HIGH RANGE	PRESSURE (PSI)	NOZZLES 9/64" + 3/32" GPM	R(ft)	NOZZLES 5/32" + 3/32" GPM	R(ft)	NOZZLES 11/64" + 3/32" GPM	R(ft)	NOZZLES 3/16" + 3/32" GPM (*)	R(ft)	NOZZLES 3/16" + 1/8" GPM	R(ft)	NOZZLES 13/64" + 1/8" GPM	R(ft)	NOZZLES 7/32" + 1/8" GPM	R(ft)
	35	4.95	44.3	5.71	46.3	6.57	47.6	7.51	49.5	8.83	49.5	9.93	51.5	11.10	52.5
	40	5.29	45.6	6.11	46.9	7.03	47.9	8.03	50.5	9.46	50.5	10.65	52.5	11.90	53.1
	45	5.61	45.9	6.48	47.9	7.46	48.9	8.53	51.8	10.05	51.8	11.30	53.1	12.64	54.1
	50	5.91	46.6	6.82	48.9	7.87	49.9	9.00	53.1	10.60	53.1	11.90	53.5	13.34	55.1
	55	6.20	46.9	7.15	50.2	8.25	50.9	9.45	54.1	11.10	54.1	12.50	54.1	14.00	56.1
	60	6.48	47.6	7.47	50.5	8.60	51.5	9.86	54.5	11.60	54.5	13.00	55.1	14.50	57.1
	65	6.75	47.9	7.78	50.9	8.93	51.8	10.27	55.1	12.10	55.1	13.50	56.1	15.00	58.1
	70	7.00	48.6	8.08	51.5	9.25	53.1	10.66	55.4	12.50	55.4	14.00	57.1	15.45	59.1
	75	7.25	48.9	8.37	51.8	9.56	54.1	11.02	56.1	12.90	56.1	14.40	58.1	15.90	60.0
	80	7.49	49.9	8.65	52.5	9.87	55.1	11.36	56.4	13.25	56.4	14.80	59.1	16.30	61.0

F30PV ONE NOZZLE, PLUG AND VANE TO HIGH RANGE	PRESSURE (PSI)	NOZZLES 9/64" GPM	R(ft)	NOZZLES 5/32" GPM	R(ft)	NOZZLES 11/64" GPM	R(ft)	NOZZLES 3/16" GPM (*)	R(ft)	NOZZLES 13/64" GPM	R(ft)	NOZZLES 7/32" GPM	R(ft)
	35	3.40	44.3	4.16	46.3	5.02	47.6	5.96	49.5	7.05	51.5	8.20	52.5
	40	3.64	45.6	4.45	46.9	5.37	47.9	6.38	50.5	7.55	52.5	8.80	53.1
	45	3.86	45.9	4.72	47.9	5.70	48.9	6.78	51.8	8.00	53.1	9.35	54.1
	50	4.07	46.6	4.98	48.9	6.01	49.9	7.16	53.1	8.45	53.5	9.90	55.1
	55	4.27	46.9	5.22	50.2	6.30	50.9	7.52	54.1	8.85	54.1	10.40	56.1
	60	4.46	47.6	5.45	50.5	6.57	51.5	7.85	54.5	9.25	55.1	10.75	57.1
	65	4.65	47.9	5.68	50.9	6.83	51.8	8.18	55.1	9.60	56.1	11.10	58.1
	70	4.83	48.6	5.90	51.5	7.09	53.1	8.50	55.4	9.95	57.1	11.40	59.1
	75	5.00	48.9	6.11	51.8	7.34	54.1	8.80	56.1	10.25	58.1	11.70	60.0
	80	5.17	49.9	6.30	52.5	7.58	55.1	9.09	56.4	10.50	59.1	12.00	61.0

Data obtained under ideal test conditions. It can be affected by wind, bad hydraulic conditions or other adverse factors.
Highest point of the jet above the nozzle: 2.8 m (using standard nozzle 5 / 32 "to 35.2 MCA)
Throw radius jets achieved with the 0.9m lift. Shaded areas not recommended.
(*) Standard Nozzle.

PSI: Pounds per Square Inch
GPM: Gallons Per Minute
R(ft): Throw Radius in feet

WARRANTY AND EXCLUSIONS

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