

CR 500

Features

- Top arc indicator for simple adjustment
- 13 interchangeable, reusable nozzles: 2,5 pre-installed and eight standard plus four low angle on nozzle tree
- Automatic arc return to pre-set arc if nozzle turret is tampered with
- Part-and full-circle model in one unit
- Continuous rotation provides even coverage when set at 360°
- Included check valve
- Riser pull-up slot for easy nozzle removal and insertion
- Arc adjustment from 40° to 360°
- Standard rubber cover
- Stainless steel radius adjustment screw allows up to 25% radius reduction
- Heavy-duty retract spring
- Pressure-activated seal
- Robust trip mechanism.

Specifications

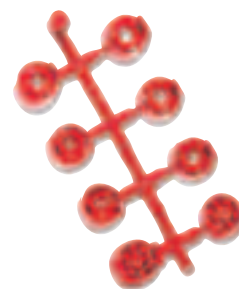
- Recommended operating pressure: 2-4 bar
- Radius: 8,5 - 15,3 m
- Optimum operating pressure: 3,5 bar
- Flow rate: 1,9 - 38 l/min
- Nozzle trajectory: 26° (15° for low angle)
- Precipitation range: matched precipitation rates from 7,5 - 12,5 mm per hour at 4 bar.

Dimensions

- Cap diameter: 7,5 cm
- Height: 19,5 cm
- Pop up: 12,5 cm
- 3/4" female threaded inled
- Check valve maintains up to 2,4 m in elevation change.



CR500 ROTOR

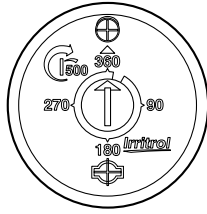


NOZZLE TREE*

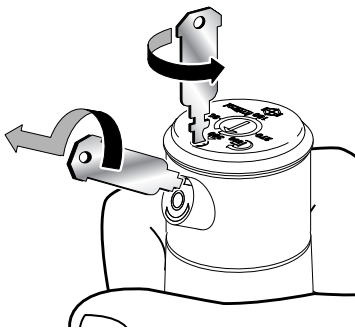


* New nozzle tree will have four low angle nozzles more.

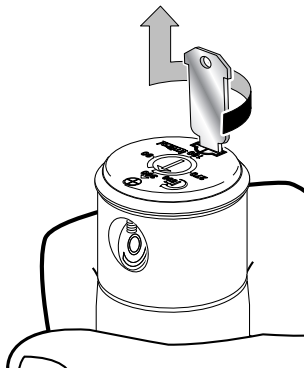
Fingertip adjustments



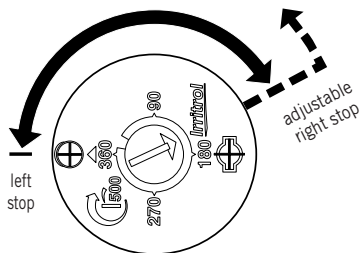
User-friendly Rotor
Key features include an easy-to-see arc adjustment dial, pull-up keyhole and radius adjustment/nozzle retention screw.



Changing a Nozzle
Each of the CR500 rotor's nine interchangeable nozzles can be removed in seconds.



Pulling Up the Riser
Multiple-purpose key and riser pull-up make it fast and easy to adjust and service all CR500 nozzles.



Adjusting the Arc
Arc setting can be quickly adjusted from the top of the riser.

Code

CR500	Cr 500: 12,5 cm pop-up height
CR500-HP	Cr 500 Hi Pop: 30 cm pop-up height
102-2028	Standard Nozzle Rack
102-2014	Low Angle Nozzle Rack
102-2024	Arc Set and Removal Key
102-2010	Radius Adjustment Screw

Performance charts

Standard Nozzles 26°

Pressure (bar)	Nozzle Number	Radius (m)	Flow rate (l/min)
2,0	0,50	8,5	1,9
	0,75	8,8	2,6
	1	9,8	4,9
	2	11,3	9,5
	2,5	11,6	9,5
	3	11,6	13,6
	4	13,1	16,7
	6	13,7	22,3
	8	12,1	30,3
2,8	0,50	8,8	2,3
	0,75	9,1	3,0
	1	10,1	5,7
	2	12,2	9,5
	2,5	11,9	10,6
	3	11,9	15,9
	4	13,4	19,3
	6	14,0	22,7
	8	13,7	32,2
3,5	0,50	8,8	2,6
	0,75	9,4	3,4
	1	10,4	6,1
	2	12,8	11,4
	2,5	12,2	12,1
	3	14,2	17,4
	4	14,6	21,2
	6	14,9	23,8
	8	14,9	35,9
4,0	0,50	9,1	3,0
	0,75	9,8	3,8
	1	10,7	6,8
	2	13,1	12,5
	2,5	12,5	13,2
	3	12,8	18,9
	4	14,9	22,3
	6	14,9	25,3
	8	15,2	37,8

Low Angle Nozzles 15°

Pressure (bar)	Nozzle Number	Radius (m)	Flow rate (l/min)
2,0	1	6,7	5,7
	3	8,8	11,3
	4	9,5	12,9
	6	11,6	24,6
2,8	1	7,3	6,4
	3	9,8	11,7
	4	10,4	14,7
3,5	6	12,2	27,6
	1	7,9	6,8
	3	10,8	13,2
4,0	4	11,3	16,6
	6	12,8	30,2
	1	8,5	7,6
4,0	3	11,3	14,7
	4	11,6	17,8
	6	13,4	32,5

Data represents test results in zero-wind. Adjust for Local conditions. Radius may be reduced with radius reduction screw.