



Netafim Knowledge

Maintenance Checklist - In the Field

TAKE NOTE

Ensure that irrigation design and specifications are available for reference - refer to it when necessary.
Always take the necessary safety precautions. Involve the necessary experts when required.

		CHECKLIST ITEM	ACTION/DETAILS
1	BLOCK VALVES	a Pressure before & after block valves	Install pressure check points before & after According to design specifications
		b Block filters	Install pressure check points before & after Clean if dirty
		c Air valves	Clean if dirty (Will leak if dirty) Shut off valve or drain system before cleaning
		d Check if valve is on auto setting if design specifies it should be	
2	FLUSHING	a Drip/sprinkler flushing records	Check if records are available & up to date
	SUB-MAIN	b Flush submains & confirm if submains are flushed as required	Frequency depending on water source quality Monitor regularly
	DRIPLINES	c Open lines (quantity as specified in design) (1ℓ/12 seconds 16/17 mm drip)	When system at pressure, observe water quality Must observe colour change within 1 minutes & water must be clear within 5 minutes
		d Check end pressure	Bottom of dripline (min 1 bar)
		e Cut out section & inspect dripper Involve experts when necessary	Part of a preventative maintenance routine Per Netafim guidelines/ When blockages suspected
		f Dripper flow test (Run over container for 10 min)	Check ℓ/h (mL x 6 = mL/h) (mL/h ÷ 1000 = ℓ/h)
	MICRO SPRINKLERS	g Sprinkler position	Must be correct & upright. Check each sprinkler
		h Sprinkler height	All sprinklers must be at same height (Marked on peg - 280 mm above ground.) Check each sprinkler
		i Colour of nozzles & swivels/spreaders (Flow rate & distribution pattern)	Must be consistent & according to specifications. Check each sprinkler
		j Check for blocked sprinklers	Clean blocked sprinklers
3	SOIL MOISTURE	a Ensure available records of drip in field & auger	Check records
		b Current irrigation hours	Confirm hours
		c Water currently applied	Confirm millimetres
		d Auger & compare soil moisture with drip	Between 0 – 30 cm
		e overseer's calibration (1 to 5)	Between 30 – 60 cm
		f Compare auger results with probe/tensiometer readings. Involve experts when necessary	

Contact Netafim if training is required.
Scan to visit the Netafim
Precision Irrigation Academy

