



IRRIGATION CHECKLIST

IN THE FIELD

NETAFIM KNOWLEDGE

TAKE NOTE			Contact the Netafim team should you require any training on the actions below or beyond that. Ensure that irrigation design & specifications are available for reference. Refer to design specifications 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
		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
	DRIPLINES	d	Check end pressure	Bottom of dripline (min 1 bar)
		e	Cut out section & inspect dripper Involve experts when necessary	Part of preventative maintenance routine Per Netafim guidelines When blockages are 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 and according to design 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	

FOR MORE INFORMATION,
CONTACT OUR CAPE TOWN OFFICE: 021 987 0477

