



nutriculture
GROW SYSTEMS

GUIDE TO IWS MODULAR SYSTEMS



EXCEPTIONAL CONTROL & SCALABILITY

For growers who want to adapt feed times to plant life stage to increase nutrient uptake and growth.

At the feed times solution is pumped from the tank. Filling each outer pot to 8cm below the rim of the inner pot. The plants take up the solution and stale air is pushed out of the root zone.

At the end of the timed feed the solution is pumped back to the water butt rebalancing the pH and re-oxygenating the root-zone.



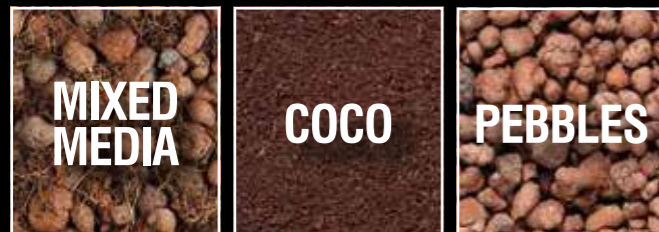
INNER POT OPTIONS



ALL KITS INCLUDE

- Brain control unit with fill pump, drain pump and water level controllers
- Choice of inner pots, 10.5L for mixed media, 6.5L for pebbles or coco
- 10 Litre outer pots
- Water butt (Solid/Flexible)
- Feeding Timer
- All fittings and pipes

RECOMMENDED MEDIA

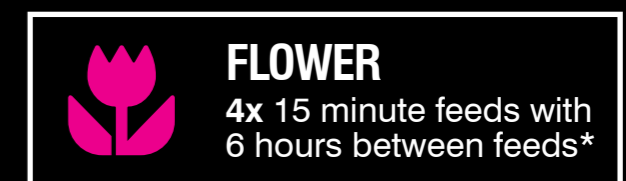
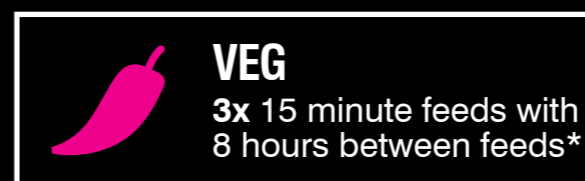


A QUICK GUIDE TO THE THREE OPTIONS



	25MM REMOTE (PRO)	16MM REMOTE	16MM FIXED
£ PRICE LEVEL	Premium	Mid Range	Budget
PIPE	25mm	16mm	16mm
TIMER	Remote	Remote	Fixed
DRAINAGE POT STANDS	✓	✓	✗
ROOT CONTROL DISCS	✓	✓	✗
NUMBER OF PUMPS	3	2	2

RECOMMENDED FEEDING TIMES



*Timing guidelines based on using 60/40 media and configurations of 24 pots and lower.

IWS FLOOD & DRAIN PRO REMOTE (25MM)

WHY CHOOSE THIS ONE?

- Faster filling and drainage - includes an extra drain pump and a larger fill pump
- 25mm pipe and fittings
- Feeding Timer controllable to 1 minute and can be located outside the grow room thanks to the 2m lead
- Includes pot stands for superior drainage



CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	PRICE	VOLUME	PRICE
IWF06	6	100L		100L	
IWF12	12	250L		250L	
IWF24	24	350L		400L	
IWF36	36	350L		400L	
IWF36	36	700L		-	-
IWF48	48	700L		400L	
IWF48	48	-	-	750L	

CHOOSE

Inner pot type: **Culture pot:** Any Media, **Aqua pot:** Pebbles, **Punched pot:** Any Media*

*Punched pots require a layer of pebbles to ensure free drainage

WHY CHOOSE THIS ONE?

- Feeding Timer controllable to 1 minute and can be located outside the grow room
- Includes pot stands for superior drainage

1 MINUTE
SEGMENTAL TIMER

16mm
PIPING

POT
STANDS



CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	PRICE	VOLUME	PRICE
IWF06	6	100L		100L	
IWF12	12	220L		250L	
IWF12	12	250L		-	-
IWF18	18	250L		250L	
IWF24	24	250L		250L	
IWF36	36	350L		400L	
IWF48	48	350L		400L	

CHOOSE: Inner pot type: **Culture pot:** Any Media, **Aqua pot:** Pebbles, **Punched pot:** Any Media*
*Punched pots require a layer of pebbles to ensure free drainage

WHY CHOOSE THIS ONE?

A great budget option, includes a basic timer with 15 minute feed segments and without pot stands.

15 MINUTE
SEGMENTAL TIMER

16mm
PIPING



CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	PRICE	VOLUME	PRICE
IWF06	6	100L		100L	
IWF12	12	250L		250L	
IWF18	18	250L		250L	
IWF24	24	250L		250L	
IWF36	36	350L		400L	
IWF 48	48	350L		400L	

CHOOSE: Inner pot type: **Culture pot:** Any Media, **Aqua pot:** Pebbles, **Punched pot:** Any Media*
*Punched pots require a layer of pebbles to ensure free drainage

MINIMISE MEDIA, MAXIMISE YIELDS

Combines the benefits of DWC and constantly circulating nutrients.

The solution is constantly circulated between the pots filling each pot to 4.5cm below the bottom of the pebbles.

There's no timing of feeds, the plants take-up whatever they need from the constantly available nutrient solution.

An air-pump provides air-flow to each pot and air stones in each pot constantly oxygenate the solution – making for an incredibly oxygen rich root-zone.

The constant circulation gives the plants another oxygen boost and keeps the pH and EC stable.

The 'remix' button on the RDWC control unit mixes with the nutrient solution, cooling it down before pumping it back to the pots. Whereas the RDWC with timer allows you to schedule mixes, pumping nutrients back to the water butt, keeping it cool and fresh.

UP TO 24 PLANTS



A QUICK GUIDE TO THE TWO OPTIONS



	IWS R-DWC WITH TIMER	IWS R-DWC WITHOUT TIMER
PRICE LEVEL	Premium	Budget
RECIRCULATING PIPE	25mm	25mm
TIMER	✓	✗
NUMBER OF PUMPS	3	1

RECOMMENDED MEDIA



ALL KITS INCLUDE

- Brain control units with pump and water level controllers
- 19 Litre outer pots
- 1 Litre inner pots for pebbles
- Water butt
- All fittings and pipes
Note that airkits need to be added to these kits

WHY CHOOSE THIS ONE?

If you can't visit your plants each day to remix the nutrients.

INCLUDES 3 PUMPS

-  **TIMER**
-  **19 LITRE POT**
-  **25mm PIPING**
-  **RECIRCULATING**



CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	WITH AIRKIT	VOLUME	WITH AIRKIT
IWR04X	4	100L		100L	
IWR08X	8	250L		250L	
IWR12X	12	250L		250L	
IWR16X	16	350L		400L	
IWR20X	20	350L		400L	
IWR24X	24	700L		750L	

CHOOSE: Water Butt Size and Style

WHY CHOOSE THIS ONE?

If you don't need to automate the remix, this is a great option.

-  **19 LITRE POT**
-  **25mm PIPING**
-  **RECIRCULATING**

MANUALLY STOP CIRCULATION



CODE	POTS	FLEXIBLE WATER BUTT	
		VOLUME	WITH AIRKIT
IWR04X	4	100L	
IWR08X	8	225L	
IWR12X	12	225L	
IWR16X	16	400L	
IWR20X	20	400L	
IWR24X	24	750L	

CHOOSE: Water Butt Size

SIMPLICITY & SPEED – UP TO 36 PLANTS

A great value DWC hydroponic system with a remixing timer.

The control unit fills every pot to 4.5cm below the pebbles; the ideal level for optimum root growth. An air-pump regulates air-flow to each pot and the air stones in each pot constantly oxygenate the solution.

The 'remix' timer on the control unit sends the solution back to the water butt where it mixes with the remaining solution, cooling it down before pumping it back to the pots.

This remix also means EC and pH can be centrally adjusted. We recommend setting the timer to remix between 1 and 3x per day.

The grower does not have to set a timer for feeds, the plants take-up whatever they need from the constantly available nutrient solution.

ALL KITS INCLUDE

- 19 Litre outer pots
- 1L inner pots for pebbles
- Water butt with MJ1000 pump to fill the pots
- Brain control unit with remix timer, drain pump and water level controller
- All fittings and pipes



“Growers who struggle to control temperature can benefit from DWC”





19 LITRE POT



16mm PIPING



REMIX

CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	WITH AIRKIT	VOLUME	WITH AIRKIT
DW6X	6	100L		100L	
DW12X	12	250L		250L	
DW18X	18	350L		400L	
DW24X	24	350L		400L	
DW36X	36	–	–	750L	

*PLEASE NOTE: Airkits need to be added

CHOOSE: Water Butt Size and Style

ENVY-INDUCING YIELDS, EVEN WITH COCO

The most finely tuned Dripper system available, 28 feed duration options and pump-assisted drainage.

Finally growing in pots and coco can mean envy-inducing yields.

Nutrient solution is pumped from the water butt to the drippers in the pots according to the timer settings.

Angled stands maximise drainage from the pots, with any run-off pumped back to a catchment tank. The run-off is stored until it reaches a trigger level and is then pumped to waste.

EACH KIT INCLUDES

- 10 Litre outer pots
- Choice of 3 inner pot types for pebbles, 60/40 or coco & soil
- Drippers
- Drainage stands
- Root control discs
- Minute feeding timer
- All fittings and pipes
- Water butt with NJ3000 fill pump
- Brain control unit with drain pump

2 drippers per pot



Pot stands


1 MINUTE
SEGMENTAL TIMER


10 LITRE
POT


POT
STANDS

“The advanced timer allows feeds to be set to the second,”



Timed drippers

CODE	POTS	SOLID WATER BUTT		FLEXIBLE WATER BUTT	
		VOLUME	PRICE	VOLUME	PRICE
IWD04	4	100L		100L	
IWD08	8	220L		250L	
IWD12	12	250L		250L	
IWD16	16	350L		400L	
IWD20	20	350L		400L	
IWD24	24	350L		400L	

CHOOSE

- Inner pot type: **Culture pot:** Any Media, **Aqua pot:** Pebbles, **Punched pot:** Any Media*
- Water Butt, Size & Style

*Punched pots require a layer of pebbles to ensure free drainage



nutriculture
GROW SYSTEMS

40 YEARS IN THE MAKING

WWW.NUTSYSTEMS.CO.UK



[@NutGrowSystems](https://twitter.com/NutGrowSystems)

facebook.com/nutgrowsystems

instagram.com/nutgrowsystems