

ECO-Control Unit

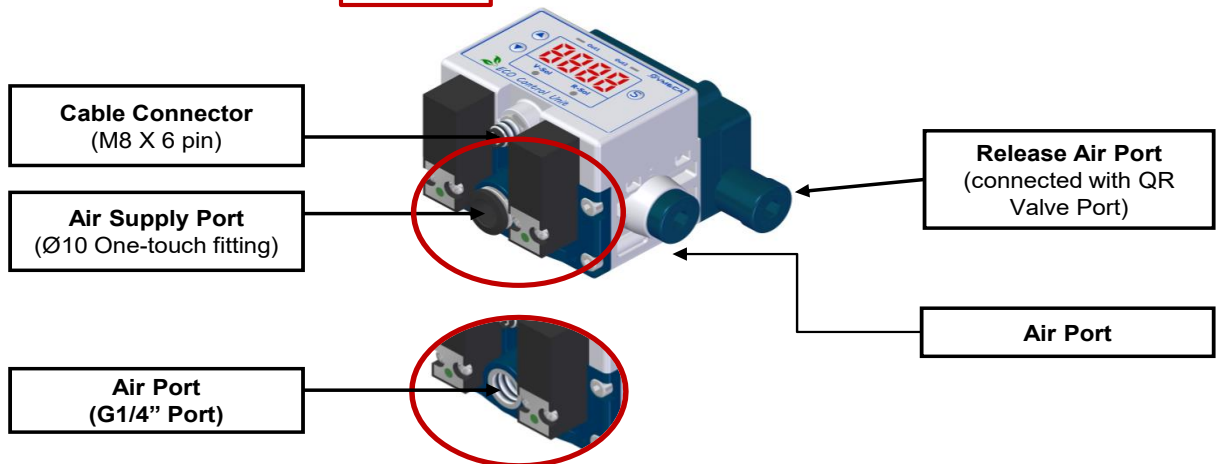
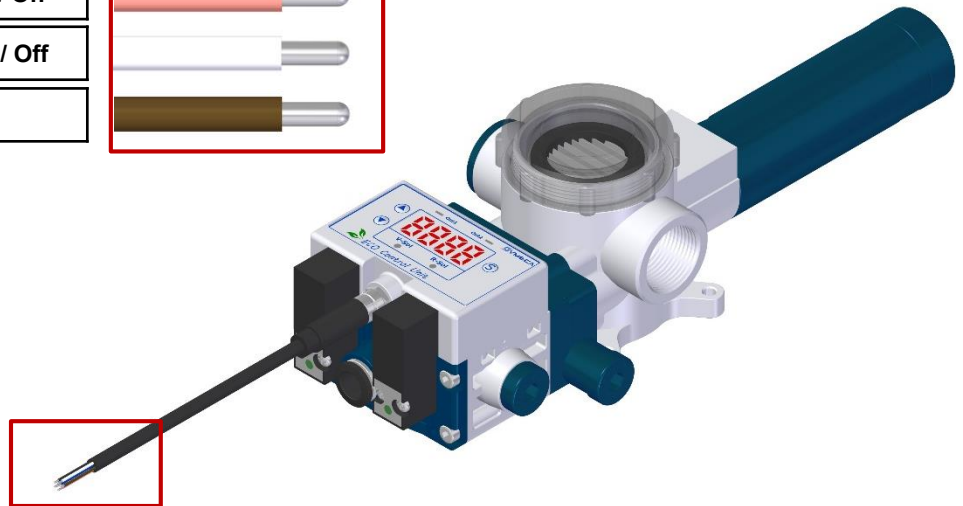
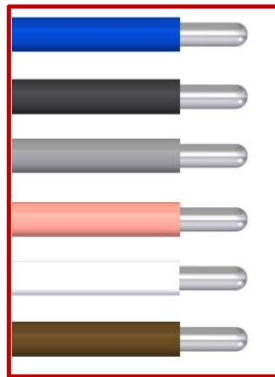
for Turtle Pump

Features and Strengths

- Integral structure: AS-kit + Digital Vacuum switch + 2 Control valves.
- Built-in air saving function, blocking air consumption when vacuum is reached.
- Installed with Turtle pumps (optimized for Turtle series)
- Easy and convenient wiring with M8X6PIN connector and wiring cable.

Cable wiring of Eco-Control Unit

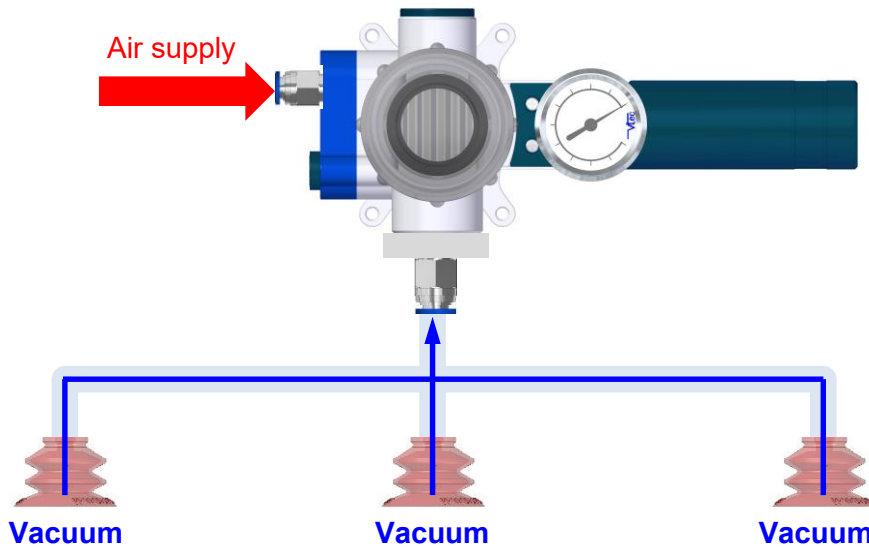
Blue	: DC 0V (-)
Black	: Out 1
Gray	: Out 2
Pink	: (-) Release On / Off
White	: (-) Vacuum On / Off
Brown	: DC 24V (+)



Air Saving System

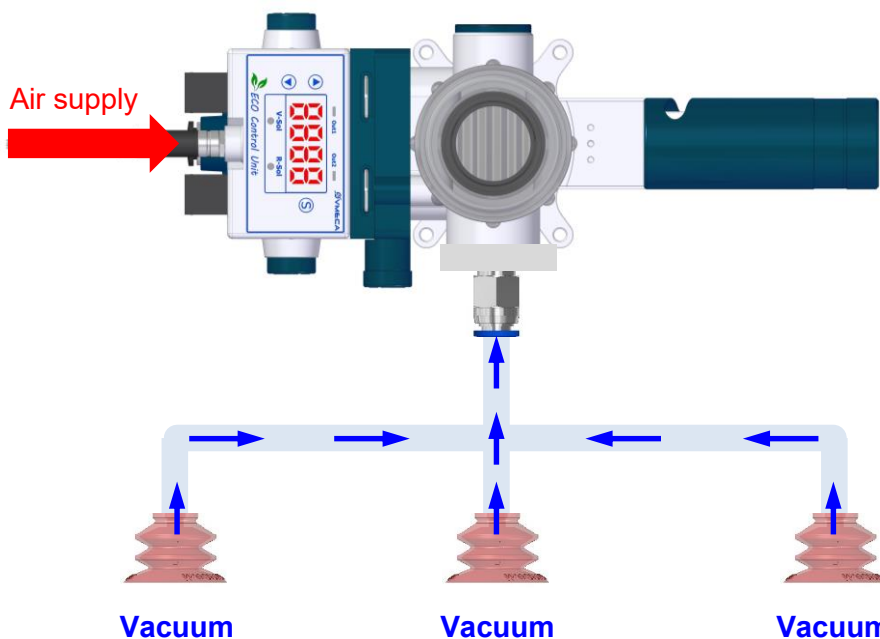
- By air saving function of Eco-Control Unit, the air supply valve ON/OFF will be automatically operated within the range of the set value.

Standard Turtle Pump



✓ Compressed Air (energy) is continuously consumed even the cups are vacuumed.

Eco Control Unit on Turtle Pump



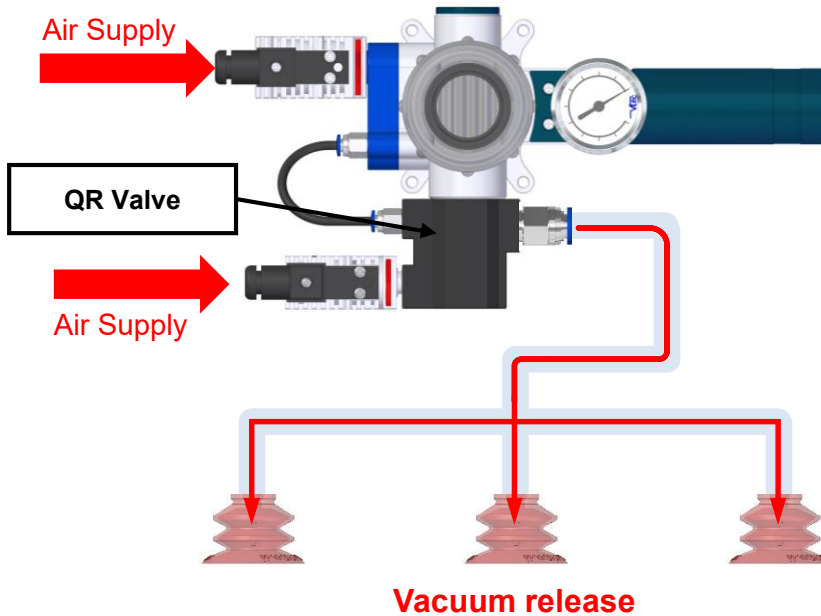
✓ Air saving 90%

✓ Compressed air is automatically cut off (energy saving) when the cups are vacuumed. And air is supplied again when vacuum level is lower than a set vacuum level automatically.



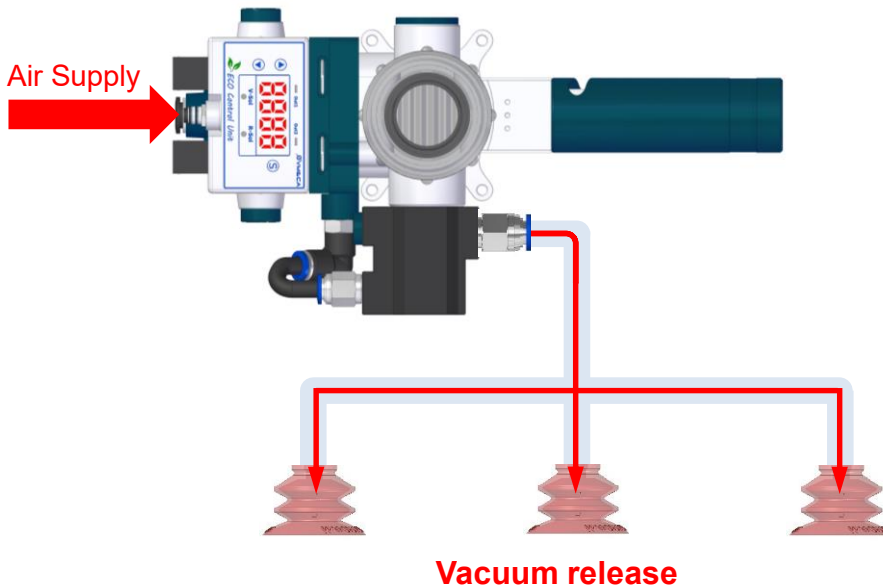
With QR Valve Module

Standard Turtle Pump



✓ When vacuum is released, release air is passing through the release control valve with QR-valve to release vacuum.

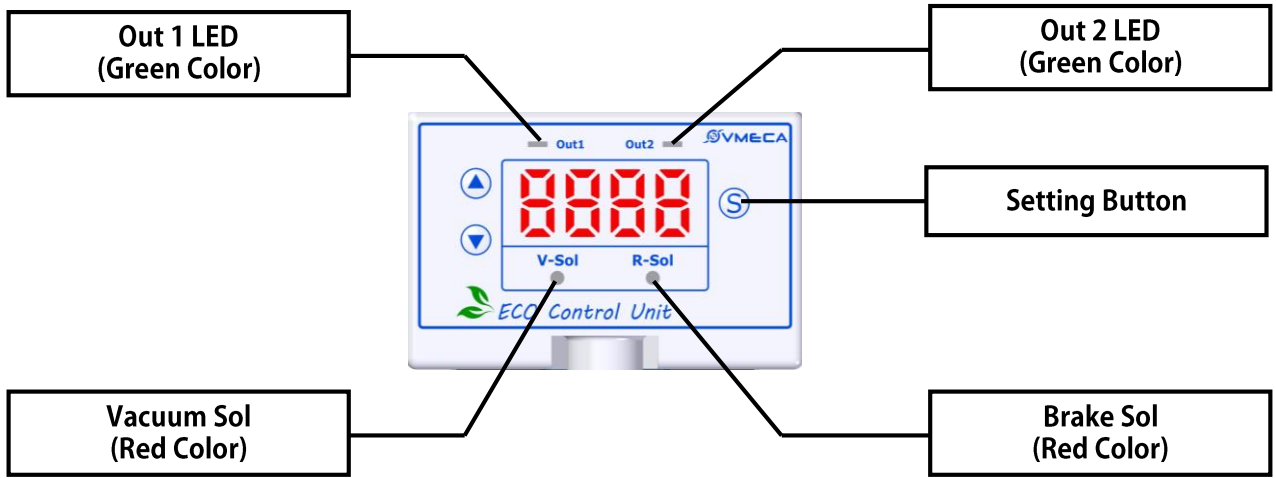
Eco Control Unit on Turtle Pump



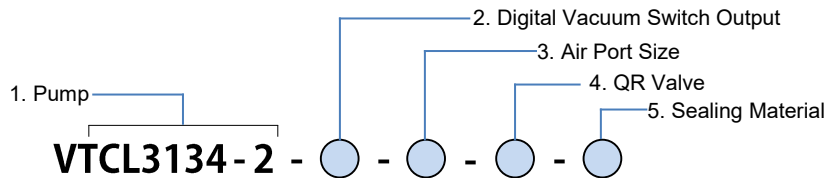
✓ When vacuum is release, air is supplied through air port of the Eco Control Unit, it released without release control valve and QR-valve also can be operated.



Eco Control Unit Setting



Build an Ordering No.



1. Pump	Description	Ordering No.	ETC
	Turtle Pump, VC303 1EA installed, Vacuum Filter, 2 Fold Silencer	VTC3031-2	
	Turtle Pump, VC302 1EA installed, Vacuum Filter	VTC3021-2	
	Turtle Pump, VC303 2EA installed, Vacuum Filter, 2 Fold Silencer	VTC3032-2	
	Turtle Pump, VC302 2EA installed, Vacuum Filter	VTC3022-2	
	Turtle Pump, VCL303 1EA installed, Vacuum Filter, 2 Fold Silencer	VTCL3031-2	
	Turtle Pump, VCL302 1EA installed, Vacuum Filter	VTCL3021-2	
	Turtle Pump, VCL303 2EA installed, Vacuum Filter, 2 Fold Silencer	VTCL3032-2	
	Turtle Pump, VCL302 2EA installed, Vacuum Filter	VTCL3022-2	
	Turtle Pump, VC303 1EA installed, Vacuum Filter, Plug	VTC3031P-2	
	Turtle Pump, VC303 2EA installed, Vacuum Filter, Plug	VTC3032P-2	
	Turtle Pump, VCL303 1EA installed, Vacuum Filter, Plug	VTCL3031P-2	
	Turtle Pump, VCL303 2EA installed, Vacuum Filter, Plug	VTCL3032P-2	
	Turtle Pump, VC303 4EA installed, Vacuum Filter, Silencer	VTC3134-2	
	Turtle Pump, VC303 3EA installed, Vacuum Filter, Silencer	VTC3133-2	
	Turtle Pump, VC303 2EA installed, Vacuum Filter, Silencer	VTC3132-2	
	Turtle Pump, VC302 4EA installed, Vacuum Filter, Silencer	VTC3124-2	
	Turtle Pump, VC302 3EA installed, Vacuum Filter, Silencer	VTC3123-2	
	Turtle Pump, VC302 2EA installed, Vacuum Filter, Silencer	VTC3122-2	
	Turtle Pump, VCL303 4EA installed, Vacuum Filter, Silencer	VTCL3134-2	
	Turtle Pump, VCL303 3EA installed, Vacuum Filter, Silencer	VTCL3133-2	
	Turtle Pump, VCL303 2EA installed, Vacuum Filter, Silencer	VTCL3132-2	
	Turtle Pump, VCL302 4EA installed, Vacuum Filter, Silencer	VTCL3124-2	
	Turtle Pump, VCL302 3EA installed, Vacuum Filter, Silencer	VTCL3123-2	
	Turtle Pump, VCL302 2EA installed, Vacuum Filter, Silencer	VTCL3122-2	
2. Digital Vacuum Switch Output	Description	Ordering No.	ETC
	NPN Type	EC	
	PNP Type	ECP	
3. Air Port Size	Description	Ordering No.	ETC
	G1/4" Port	14	
	Ø10 one-touch hose fitting type	10	

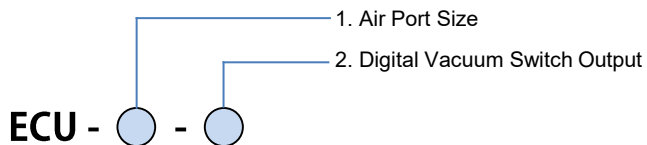


Build an Ordering No.

4. QR Valve	Description	Ordering No.	ETC
	No QR Valve	Blank	
	QR Valve	Q	

5. Sealing Material	Description	Ordering No.	ETC
	NBR	Blank	
	VITON	V	
	EPDM	E	

Build an Ordering No.



1. Air Port Size	Description	Ordering No.	ETC
	G1/4" Port	14	
	Ø10 one-touch hose fitting type	10	

2. Digital Vacuum Switch 출력	Description	Ordering No.	ETC
	NPN Type	EC	
	PNP Type	ECP	

