EcoCup™ creates vacuum without AIR!

Great for pick-and-place applications of flat, rigid, non-porous parts including: plastic, glass, solar panels, and electronics, as well as other consumer goods with smooth, flat surfaces.

The EcoCup™ features:
- Light-switch operation
- Ultra-fast actuation
- Noise-free operation
- Easy installation and setup
- Reduced maintenance costs
- Easy optional mounting to Scara robots
- Eliminated risk of air-borne contaminants and tested to over 5 million cycles.

EcoCup™ EC40 Electric Vacuum Cup Assembly

The OLD way with a Typical Pneumatic Setup

The NEW way No fittings, no valves, no hoses, no compressor, and absolutely no AIR!

Using the new EcoCup™

EcoCup™ EC40 Electric Vacuum Cup - Operation

Operating Instructions:
1. Set cup on smooth, flat surface of part.
2. Apply 24VDC to Pins 3 and 4 on M12 connector. (Center of cup lifts, creating vacuum)
3. Release voltage and part is released.

Specifications

| VC-EC40-45N | Actuation Time | 25 ms |
| Temperature Range | 5° ~ 60°C [41° ~ 140°F] |
| Duty Cycle | 50% (½ On, ½ Off) |
| Voltage | 24 VDC |
| Current | 0.5 Amp |
| Weight | 0.12 kg [0.25 lb] |
| Cup Material | 45 Durometer Nitrile |

Holding Capacity

| VC-EC40-45N | Recommended Load | <0.45 kg [1.0 lb] |

Loads from 0.45kg [1.0 lb] up to 1.81 kg [4.0 lb] max. may be used with longer movement times. (See chart in drawing area for greater detail).

M12 4-PIN (MALE) CONNECTOR FACE VIEW
1: NOT USED
2: NOT USED
3: -0 VDC
4: +24 VDC

M12 4-PIN (MALE) CONNECTOR (ECOCUP™ MOUNT)

G = Acceleration Force
Static Load (lb)
Static Load (Part Weight)
EcoCup™ EC40 Optional Scara Robot Mounting Plate

- **Model**: VC-EC40-SRM50
- **Weight**: 111g [3.9 oz.]

- **Model**: VC-EC40-ACM50
- **Weight**: 40g [1.4 oz.]

- **Model**: Turck #FKM 4.4-0.5
- **Weight**: 14g [0.5 oz.]

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**Dimensions and technical information are subject to change without notice.**

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