

# Installation Instruction

## 0475 Enrichment Valve 10W

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### ENGLISH

**Enrichment Valve with filter for Grow CO2 Enrichment Controller.**

#### **Important!**

Retain this instruction manual for future reference: Please read these instructions carefully prior to start-up and use. Failure to follow any of these instructions could void product warranties. LogiCO2 assumes no responsibility for claims arising out of improper or careless use or handling of their products.

### **Technical specifications**

<b>Power supply:</b>	Via Grow CO2 Enrichment Controller
<b>Power consumption:</b>	420 mA (10 Watt)
<b>Relays:</b>	1A/24V AC/DC
<b>Material:</b>	PC/ABS
<b>Operating pressure:</b>	0,15 to 30 bar / 2,2 to 435 Psi
<b>Bursting pressure:</b>	>150 bar / 2 175 Psi
<b>Treaded connection:</b>	1/4" -18NPT
<b>Dimensions (WxHxD)</b>	
<b>Connection box:</b>	78x78x37 mm / 3"x3"x1.5"
<b>Ingress protection:</b>	IP55

### **Function**

Enrichment Valve is an accessory for LogiCO2 Grow CO2 Enrichment Controller. The Grow CO2 Enrichment Controller is a device that measures the concentration of CO2 in the ambient environment of the room being controlled and opens/closes the dispenser valve, to achieve a perfect CO2 environment in the grow room.

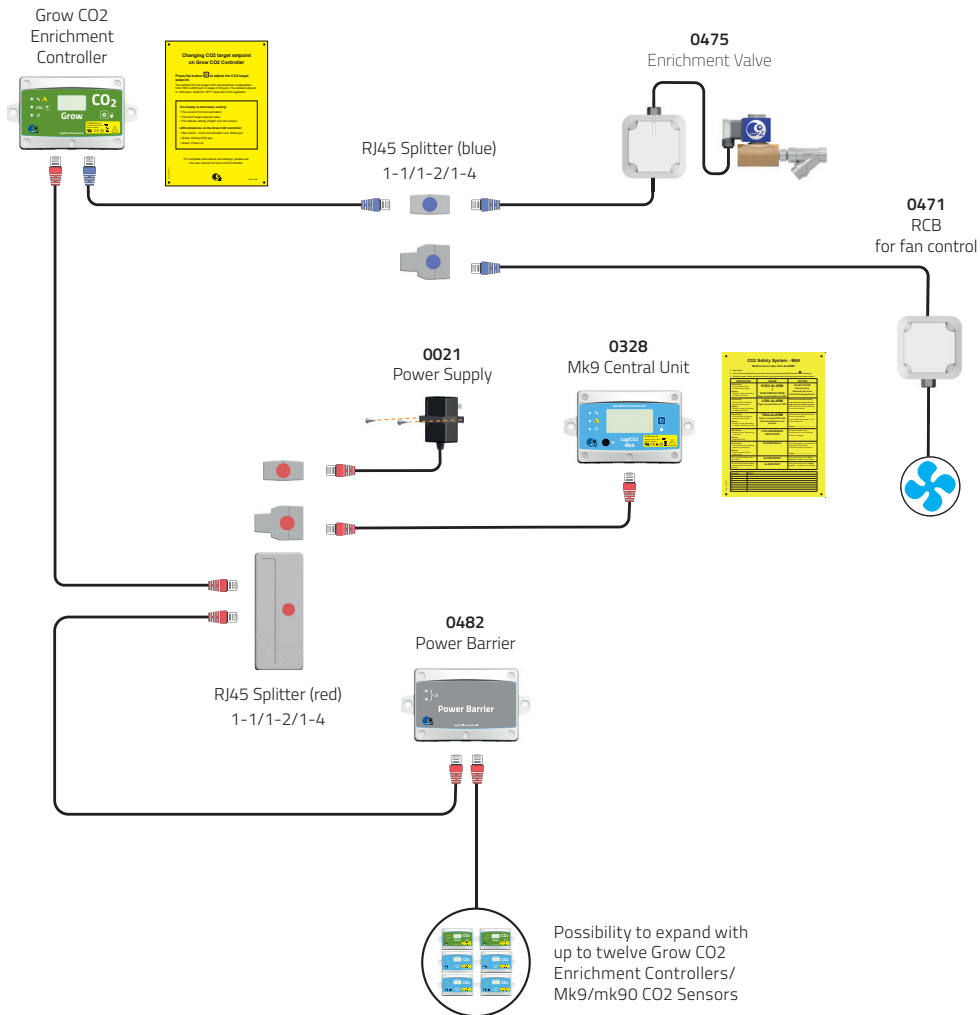
Enrichment Valve consists of a magnetic valve with filter, electronics box and cabling. The Enrichment Valve is designed for usage of CO2 with a pressure of 0,15 to 30 bar or 2,2 to 435 Psi.

Enrichment Valve has a 1 meter Cat5 cable from the electronics box, with a blue RJ45 connector that is plugged in to the blue cable side of the Grow CO2 Enrichment Controller.

Install the electronics box in a suitable place where it is mechanically protected. Remove the cover by turning it counterclockwise 1/8 turn to access the mounting screw holes.

# Connection diagram

This connection diagram shows an example of how the different systems can be installed.



## Annual function control of the Enrichment Valve with filter

### Instruction on how to clean the filter on the Enrichment Valve

Please observe that the flow of CO<sub>2</sub> must be turned off manually, by closing the emergency safety valve – and verify that there is no gas pressure in the system. This is very important since you are about to open the system to clean the filter.

Any debris should be caught inside the filter. By using a socket wrench, carefully remove the filter from the valve and clean it.



After cleaning, make sure that the filtergasket is in place and mount the filter again firmly. Carefully open the emergency safety valve to allow the flow of CO<sub>2</sub> again.

### Annual function and installation check of the Enrichment Valve with filter

Checklist Enrichment Valve with filter	YES	NO
Is the Enrichment Valve installed on the downside from the emergency safety valve?		
Does the indication light on the Enrichment Valve turn ON and OFF when the valve is dispensing/not dispensing CO <sub>2</sub> gas?		
Has the filter on the Enrichment Valve been cleaned?		



*Enrichment Valve installed with filter*



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