

# CO<sub>2</sub> Equipment

## ASCO CO<sub>2</sub> Flowmeter



The **ASCO** CO<sub>2</sub> Flowmeter has been developed to accurately measure CO<sub>2</sub> gas flow in closed pipes.

The power unit, which supplies 230 V, operates a microprocessor controlled flow computer and one sensor.

The **ASCO** CO<sub>2</sub> Flowmeter is a complete system which is supplied fully calibrated and wired and therefore very easy to install.

### Features

- easy to install
- very accurate (0.1 %)
- single point measurement
- no pressure and temperature compensation required
- no moving parts
- direct mass flow reading
- tension free contact alarm and fault status output
- self-testing electronics

Accurate CO<sub>2</sub> measurement can help to find CO<sub>2</sub> leaks and to achieve optimum CO<sub>2</sub> yields. Practical tests have shown that by using an **ASCO** CO<sub>2</sub> Flowmeter, CO<sub>2</sub> savings of up to 30 % can be achieved.

### Specifications

	<b>Type MF15 part no. 4062504</b>	<b>Type MF25 part no. 4062505</b>
Measuring range:	1'000 kg/h (2'205 lb/h) at 22 bar (319.08 psi)	2'700 kg/h (5'952 lb/h) at 22 bar (319.08 psi)
Nominal pipe diameter:	15 mm (0.59 in)	25 mm (1 in)
Connections (flanges DIN 2635, PN 40):	DN 15 (1/2")	DN 25 (1")
Max. working pressure:	40 bar (580 psi) (tested to 60 bar) (870 psi)	40 bar (580 psi) (tested to 60 bar) (870 psi)
Medium temperature:	-50 to +180 °C	-50 to +180 °C
Permissible ambient temperature:	-20 to +55 °C	-20 to +55 °C
Accuracy:	0.1 % of rate (above 10 kg/h) (22 lb/h)	0.1 % of rate (above 10 kg/h) (22 lb/h)
Repeatability:	± 0.5 % of rate	± 0.5 % of rate
Materials of construction:	AISI 316L/1.4435/1.4404	AISI 316L/1.4435/1.4404
Weight approx:	- sensor 6 kg (13 lb) - controller 5 kg (11 lb)	10 kg (22 lb) 5 kg (11 lb)

## ASCO CO<sub>2</sub>-Flowmeter MF15: Standard scope of supply

### ASCO CO<sub>2</sub> Flowmeter MF15

Mass flow sensor Type MF15 (fully calibrated) assembled to process pipe DN 15, PN 40 with flange connection DIN 2635.

Measuring range 0 - 1'000 kg/h ( 0- 2205 lb/h) at 22 bar (319.08 psi)

The flow computer (on wall bracket) is equipped with digital display of current CO<sub>2</sub> flow rate in kg/h as well as totalizer and integrated keyboard.

10 meter connection cable with plug is prewired and connected.

Voltage 115 -230 V, 50/60 Hz

Accessories included:

- 2 pcs counterflange DN 15/PN40 welding (item no. 910101)
- 8 pcs screw M12x45, hex., inox (item no. 100020)
- 8 pcs Nut M12, inox (item no. 100022)
- 2 pcs gasket DN15, 2 x 51 x 22mm ( item no. 110150)

part no. 4062504



## ASCO CO<sub>2</sub>-Flowmeter MF25: Standard scope of supply

### ASCO CO<sub>2</sub> Flowmeter MF25

Mass flow sensor Type MF25 (fully calibrated) assembled to process pipe DN 25, PN 40 with flange connection DIN 2635.

Measuring range 0 - 2'700 kg/h (0 - 5'952 lb/h) at 22 bar (319.08 psi)

The flow computer (on wall bracket) is equipped with digital display of current CO<sub>2</sub> flow rate in kg/h as well as totalizer and integrated keyboard.

10 meter connection cable with plug is prewired and connected.

Voltage 115 -230 V, 50/60 Hz

Accessories included:

- 2 pcs counterflange DN 25/PN40 welding (item no. 910301)
- 8 pcs screw M12x45, hex., inox (item no. 100020)
- 8 pcs Nut M12, inox (item no. 100022)
- 2 pcs gasket DN25, 2 x 71 x 35mm (0.08 x 2.80 x 1.38 in) (item no. 110151)

part no. 4062505

