# **CO<sub>2</sub> Equipment**

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



The **ASCO**  $CO_2$  Flowmeter has been developed to accurately measure  $CO_2$  gas flow in closed pipes.

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

The **ASCO**  $CO_2$  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  $CO_2$  measurement can help to find  $CO_2$  leaks and to achieve optimum  $CO_2$  yields. Practical tests have shown that by using an **ASCO**  $CO_2$  Flowmeter,  $CO_2$  savings of up to 30% can be achieved.

#### **Specifications**

	Type MF15 part no. 4062504	Type MF25 part no. 4062505
Measuring range:	1'000 kg/h (2'200 lb/h) at 22 bar (319 psi)	2'700 kg/h (5'940 lb/h) at 22 bar (319 psi)
Nominal pipe diameter:	15mm (0.6")	25mm (1")
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 (-58 to +356 °F)	-50 to +180 °C (-58 to +356 °F)
Permissible ambient temperature:	-20 to +55 °C (-4 to +131 °F)	-20 to +55 °C (-4 to +131 °F)
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)	10 kg (22 lb)
- controller	5 kg (11 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 (0-2200 lb/h) at 22 bar (319 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 M12 x 45, hex., inox (item no. 100020)
- 8 pcs Nut M12, inox (item no. 100022)
- 2 pcs gasket DN15, 2 x 51 x 22 mm (item no. 110150)

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

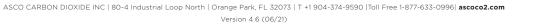
#### ASCO CO<sub>2</sub> Flowmeter MF25

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 (0-5'940 lb/h) at 22 bar (319 psi) The flow computer (on wall bracket) is equipped with digital display of current  $CO_2$  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 M12 x 45, hex., inox (item no. 100020)
- 8 pcs Nut M12, inox (item no. 100022)
- 2 pcsgasket DN25, 2 x 71 x 35 mm (0.08 x 2.80 x 1.4 in) (item no. 110151)





### part no. 4062504



# part no. 4062505

