

CO₂ Equipment

ASCO CO₂ Flowmeter



The **ASCO** CO₂ Flowmeter has been developed to accurately measure CO₂ gas flow in closed pipes.

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

The **ASCO** CO₂ 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 CO₂ measurement can help to find CO₂ leaks and to achieve optimum CO₂ yields. Practical tests have shown that by using an **ASCO** CO₂ Flowmeter, CO₂ 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:	15 mm (0.6")	25 mm (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	-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)	10 kg (22 lb)
- controller	5 kg (11 lb)	5 kg (11 lb)

ASCO CO₂-Flowmeter MF15: Standard scope of supply

ASCO CO₂ 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 CO₂ 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

part no. 4062504



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 22mm (item no. 110150)

ASCO CO₂-Flowmeter MF25: Standard scope of supply

ASCO CO₂ 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 CO₂ 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

part no. 4062505



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 pcs gasket DN25, 2 x 71 x 35mm (0.08 x 2.80 x 1.4 in) (item no. 110151)