



MC-3-SS with motor on base

## ASCO CO<sub>2</sub> Transfer Pumps: Low to Low Pressure

Art.-Nr. 900092



ASCO CO<sub>2</sub> Transfer Pumps have steel housings and long life shaft seals. The pumps have hardened steel gears and thrust washers to give long service life. The mechanical seal fitted provides long-lasting leak free operation.

These economical pumps need no lubrication and no day-to-day maintenance. A unique design allows parts to adjust automatically for wear. Highest efficiency is maintained for a very long time.

Installation is simple as no chain or belt drives or gear reduction motors are required. Pumps can be directly connected to standard speed low-cost electric motors. By simply changing the shaft rotation, pumps can be used to pump in or out though the same piping.

### Benefits:

- Universal filling
- Precise weighing
- Robust construction
- Adjustable filling weight

## Specifications:

### Pump capacities (approx.)

Pump model	Differential Pressure		Electrical consumption in kW	Pump capacity at 1'460 R.P.M.kg/h (50 Hz)*	Pump capacity at 1'750 R.P.M.kg/h (60 Hz)*
	bar	lb/in <sup>2</sup>			
MC-3-SS	0	0	4.0 (5.4 HP)	17'000 (37'500 lb/h)	20'000 (44'100 lb/h)
	1.4	20	4.0 (5.4 HP)	16'000 (35'300 lb/h)	19'000 (41'900 lb/h)
	3.5	50	5.5 (7.4 HP)	14'000 (30'900 lb/h)	16'000 (35'300 lb/h)

\* under ideal conditions

### Pumps on baseframes with motors

Pump model	Motor Size		R.P.M.		Net weight	Weight packed
	50 Hz	60 Hz	50 Hz	60 Hz		
MC-3-SS	5.5 kW (7.4 HP)	6.3 kW (8.5 HP)	1'460	1'750	108 kg (238 lb)	130 kg (287 lb)
MC-3-SS transportabel	5.5 kW (7.4 HP)	6.3 kW (8.5 HP)	1'460	1'750	205 kg (452 lb)	248 kg (547 lb)

Voltage: 400VAC± 5%/50Hz/3Ph + PE  
460VAC± 5%/60Hz/3Ph + PE

## ASCO CO<sub>2</sub> Transfer Pumps: Low to Low Pressure

### ASCO CO<sub>2</sub> Transfer Pump MC-3-SS with motor

Art.-Nr. 900092

#### Pos. 001

Stainless steel base frame

Complete heavy-duty type low to low pressure CO<sub>2</sub> transfer pump with a transfer capacity up to 17'000kg/h (37'500lb/h) at 1'460 rpm (50 Hz) or 20'000kg/h (44'100lb/h) at 1'750 rpm (60 Hz) and differential pressure of 0 barg with a 5.5 kW (7.4 HP) at 50 Hz or 6.3 kW (8.5 HP) at 60 Hz motor. The pump is designed for 2 ½inch (63.5mm) NPT inlet and outlet ports insides of pump. Rotation is reversible.



### ASCO CO<sub>2</sub> Transfer Pump MC-3-SS without motor

Art.-Nr. 4068521

#### Pos. 002

Complete heavy-duty type low to low pressure CO<sub>2</sub> transfer pump with a transfer capacity up to 17'000kg/h (37'500lb/h) at 1'460 rpm (50 Hz) or 20'000kg/h (44'100lb/h) at 1'750 rpm (60 Hz) and differential pressure of 0 bar with a 5.5 kW (7.4 HP) at 50 Hz or 6.3 kW (8.5 HP) at 60 Hz motor. The pump is designed for 2 ½inch (63.5mm) NPT inlet and outlet ports insides of pump. Rotation is reversible.



## ASCO CO<sub>2</sub> Transfer Pump MC-3-SS movable, flange connection

Art.-Nr. 900096

### Pos. 003

incl. motor and stainless steel baseframe on wheels.

Complete heavy-duty type low to low pressure CO<sub>2</sub> transfer pump with a transfer capacity up to 17'000kg/h (37'500lb/h) at 1'460 rpm (50 Hz) or 20'000kg/h (44'100lb/h) at 1'750 rpm (60 Hz) and differential pressure of 0 barg with a 5.5 kW (7.4 HP) at 50 Hz or 6.3 kW (8.5 HP) at 60 Hz motor. The pump is designed for DN40 flange. Rotation is reversible.



Including:

- control box
- 10m (394in) cable
- flanged safety device with discharge valve
- flange connection DN40 according DIN 2635

## ASCO CO<sub>2</sub> Transfer Pumps Low to Low Pressure: Options

### Filling hose SS, DN25, 1.5" -1.5", 5.90m (19ft)

Art.-Nr. 4043732

#### Pos. 001

Stainless steel hose DN25 with total length of 5.90m. (19ft)  
With hose protection over total length.  
Both ends flat sealed with union nutg1 1/2" in brass.



### Filling hose SS, DN40, flange DN40/PN40, 5.90m (19ft)

Art.-Nr. 4043736

#### Pos. 002

Stainless steel hose DN40 with total length of 5.90m. (19ft)  
With hose protection over total length.  
Both ends flange DN40/PN40 according DIN 2635

