

CO₂ Transfer Pumps

ASCO CO₂ Transfer Pumps: Low to Low Pressure



MC-3-SS with motor on baseframe

ASCO CO₂ 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 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 through the same piping.

Specifications

Pump capacities (approx.)

Pump model	Differential Pressure bar lb/in ²		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)*
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 movable	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: 400 VAC ± 5 %/50 Hz/3 Ph + PE (other voltages and frequencies on request)
 460 VAC ± 5 %/60 Hz/3 Ph + PE (other voltages and frequencies on request)

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Pos. 001

ASCO CO₂ Transfer Pump MC-3-SS with motor

on stainless steel baseframe

Complete heavy-duty type low to low pressure CO₂ transfer pump with a transfer capacity up to 17'000 kg/h (37'500 lb/h) at 1'460 rpm (50 Hz) or 20'000 kg/h (44'100 lb/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 ½ inch (63.5 mm) NPT inlet and outlet ports insides of pump. Rotation is reversible.

part no. 900092



Pos. 002

ASCO CO₂ Transfer Pump MC-3-SS without motor

Complete heavy-duty type low to low pressure CO₂ transfer pump with a transfer capacity up to 17'000 kg/h (37'500 lb/h) at 1'460 rpm (50 Hz) or 20'000 kg/h (44'100 lb/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 ½ inch (63.5 mm) NPT inlet and outlet ports insides of pump. Rotation is reversible.

part no. 4068521



Pos. 003

ASCO CO₂ Transfer Pump MC-3-SS movable, flange connection

incl. motor and stainless steel baseframe on wheels.

Complete heavy-duty type low to low pressure CO₂ transfer pump with a transfer capacity up to 17'000 kg/h (37'500 lb/h) at 1'460 rpm (50 Hz) or 20'000 kg/h (44'100 lb/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.

part no. 900096



Including:

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

ASCO CO₂ Transfer Pumps Low to Low Pressure: Options

Pos. 001

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

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

part no. 4043732



Pos. 002

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

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

part no. 4043736

