

All about



Besides Low to Low Pressure CO2 Transfer Pumps we also manufacture and supply:

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- CO2 Detectors
- CO2 Flowmeters
- CO2 Testing Equipment (Dew Point / Purity / Carbonation)
- Ancillary CO2 Equipment

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Low to Low Pressure



Transfer Pumps



MC-2-SS



MC-3-SS



MC-3-SS movable

Pumps MC-2-SS and MC-3-SS mounted on stainless steel baseframe including electric motor and coupling as shown above. Pump on its own is also available or as a movable CO2 transfer pump on a stainless steel baseframe with 4 wheels and control box.

Low to Low Pressure CO₂ Transfer Pumps

ASCO CO₂ transfer pumps have cast steel casings 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.

Pump Capacities (approx.)

Pump Model	Differential Pressure		Electrical Consumption in kW	Pump Capacity at 1450R.P.M. kg/hr (50Hz)	Pump Capacity at 1740R.P.M. kg/hr (60Hz)
	bar	lb/in2			
MC-2-SS	0	0	2.2	9000	10800
	1.4	20	2.2	8000	9600
	3.5	50	4.0	7000	8400
MC-3-SS	0	0	4.0	17000	20000
	1.4	20	4.0	16000	19000
	3.5	50	5.5	14000	16000

Pumps on baseframes with motors

Pump Model	Motor Size	R.P.M.		Voltage
		50Hz	60Hz	
MC-2-SS	4.0 kW	1450	1740	400V +/- 10% / 3ph other voltages on request
MC-3-SS	5.5 kW	1450	1740	400V +/- 10% / 3ph other voltages on request

Weights of Pumps (approx.)

Pump Model	Pump only (net)	Pump only (packed)	Pump with Motor on base frame (net)	Pump with Motor on base frame (packed)
MC-2-SS	36 kg	42 kg	86 kg	110 kg
MC-3-SS	45 kg	52kg	108 kg	130 kg

Movable CO₂ Transfer Pump

Pump Model	Motor Size	R.P.M.		Voltage	Net weight pump	Weight pump packed
		50 Hz	60Hz			
MC-3-SS movable	5.5 kW	1450	1740	400V +/- 10% / 3ph other voltages on request	205 kg	248 kg

Low to Low Pressure CO₂ Transfer Pumps

MODEL MC-2-SS PUMP WITH 4 KW MOTOR ON BASEFRAME (Part no. 902190) MODEL MC-2-SS PUMP ONLY (Part no. 902125)

The model MC-2-SS pump has a transfer capacity of up to 10'800 kg/hr with a vapour return line. The pump is designed for 3 inch N.B. inlet piping with ports arranged on either side threaded 2 1/2 inch N.B. (NPT). Rotation is reversible.



MODEL MC-3-SS PUMP WITH 5.5 KW ON BASEFRAME (Part no. 902188) MODEL MC-3-SS PUMP ONLY (Part no. 902056)

The model MC-3-SS pump is recommended as a heavy duty pump with a transfer capacity of up to 20'000 kg/hr with a vapour return line. The pump is designed for 3 inch N.B. inlet piping with ports arranged on either side threaded 2 1/2 inch N.B. (NPT). Rotation is reversible.



MODEL MC-3-SS PUMP WITH 5.5 KW ON BASEFRAME, MOVABLE (Part no. 902810)

The model MC-3-SS pump is recommended as a heavy duty pump with a transfer capacity of up to 20'000 kg/hr with a vapour return line. The pump is designed for 3 inch N.B. inlet piping with ports arranged on either side threaded 2 1/2 inch N.B. (NPT). Rotation is reversible. Pump is movable on wheels, including control box, handrail made of stainless steel, safety device 1 1/2 inch with discharge valve, connection pipe 1 1/2 inch and 10m cable.

