

BenchPro® 2100 Air Compressor

Catalog. nos. MC5001, MC5001-220, MC6001, MC6001-220

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Description

BenchPro® Air Compressors have been validated for use with the BenchPro® 2100 Plasmid Processing Station to provide consistent positive air pressure and air flow under conditions where internal house air is unavailable.

- The BenchPro® 2100 Air Compressor (Cat. nos. MC5001, MC5001-220) is an oil-free pump with a 1.6 gallon aluminum tank delivering air at between 90–120 PSI, sufficient to run a single BenchPro® 2100 Plasmid Processing Station.
- The BenchPro® 2100 Air Compressor (Oil Filled) (Cat. nos. MC6001, MC6001-220) is an oil-filled pump with a 6.3 gallon tank delivering air at between 90–120 PSI, sufficient to run a single BenchPro® 2100 Plasmid Processing Station.

For additional details on using the BenchPro® 2100 Plasmid Processing Station, refer to the manual for the BenchPro® 2100 Plasmid Processing Station at www.lifetechnologies.com.

Contents

The components included with the BenchPro® air compressors are listed below.

Component	MC5001*	MC5001-220**	MC6001*	MC6001-220**
BenchPro® 2100 Air Compressor	1	1	—	—
BenchPro® 2100 Air Compressor (Oil Filled)	—	—	1	1
Dryer Unit (with a Moisture Trap and a Membrane Dryer)	1	1	1	1
¼" hose with ¼" male and female quick disconnect ends	1	1	1	1

*This air compressor (Cat. nos. MC5001, MC6001) is supplied with a U.S.-style power plug and runs at 110 volts. If required, the appropriate power adapters must be purchased separately.

** This air compressor (Cat. nos. MC5001-220, MC6001-220) is suitable for European regions and other countries where electrical power is 220 volts. If required, the appropriate power adapters must be purchased separately.

Procedure

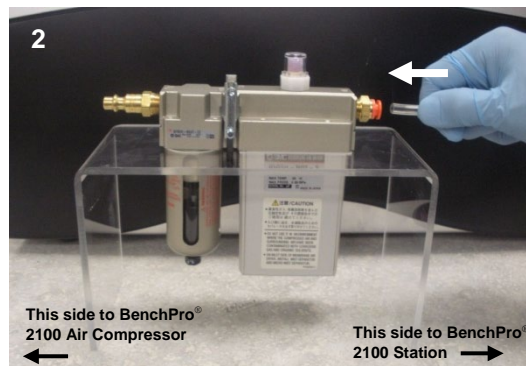
The BenchPro® air compressor is connected to the BenchPro® Plasmid Processing Station with the dryer unit in between.

Make sure that the BenchPro® air compressor is set up according to the manual supplied with the compressor unit before connecting it to the BenchPro® 2100 Plasmid Processing Station.

Connect the BenchPro® 2100 Plasmid Processing Station and the dryer unit



1. Insert the quick disconnect fitting on the end of the flexible tube (¼" OD, 1/8" ID) to the air inlet connector at the back of the instrument.

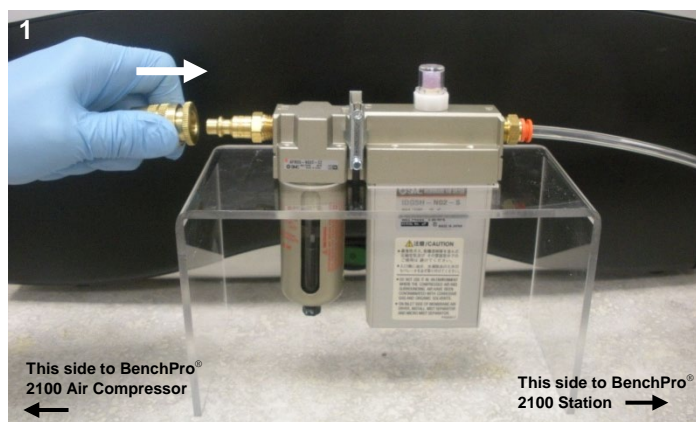


2. Connect the free end of the flexible tube to the dryer unit.

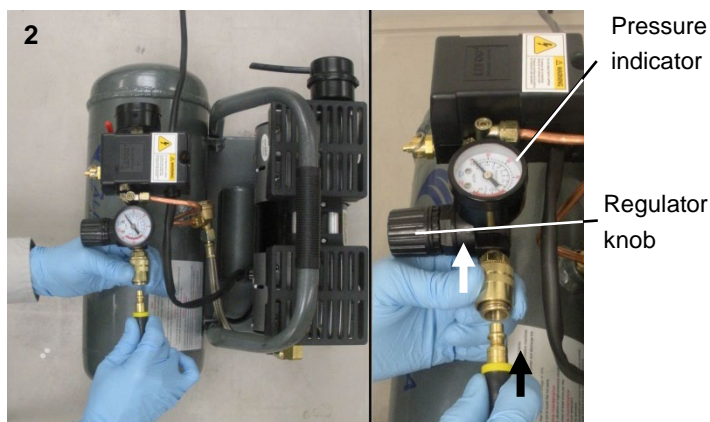


3. Open the drain valve on the dryer unit a quarter turn.
4. Place a container under the valve to collect waste liquid.

Connect the BenchPro® 2100 Air Compressor and the dryer unit (MC5001 and MC5001-220)

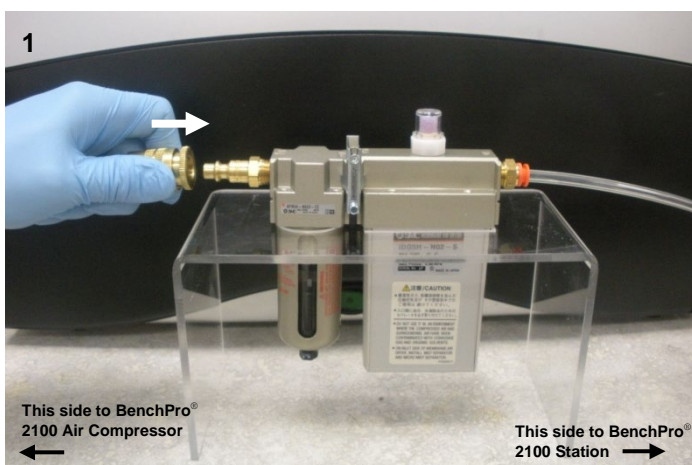


1. Insert the female quick disconnect fitting on the end of the ¼" hose to the air inlet connector on the dryer unit.



2. Connect the male quick disconnect fitting of the ¼" hose to the air compressor.

Connect the BenchPro® 2100 Air Compressor (Oil Filled) and the dryer unit (MC6001 and MC6001-220)



1. Insert the female quick disconnect fitting on the end of the ¼" hose to the air inlet connector on the dryer unit.



2. Connect the male quick disconnect fitting of the ¼" hose to the air compressor.

Charge the BenchPro® 2100 Air Compressor

1. Make sure the regulator is fully open by turning the knob clockwise until it cannot be turned any further.
2. Turn the air compressor on, and allow the air tank to fill completely (the pressure indicator should read ~120 psi).
3. Turn on the BenchPro® 2100 Plasmid Processing Station.

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