

PC6 OSCILLATOR

Operation / Maintenance Manual

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1 UTILITIES / HOOK-UP

Air Inlet: 3/8" Dia. (9mm) supply tube (Use in-line 10 μ air filter).

Air Supply: 20-80 psig clean dry air or nitrogen (Refer to pump operation manual for maximum temperature/pressure chart).

The Mufflers on the Oscillator control Module can be removed for remote exhaust and purge connections.

Power: 24VDC @ 200mA

Light Blue – (+24VDC)

White/Blue – (0VDC Common)

Note: Unit must be mounted in clean environment. Chemical fumes can damage unit.

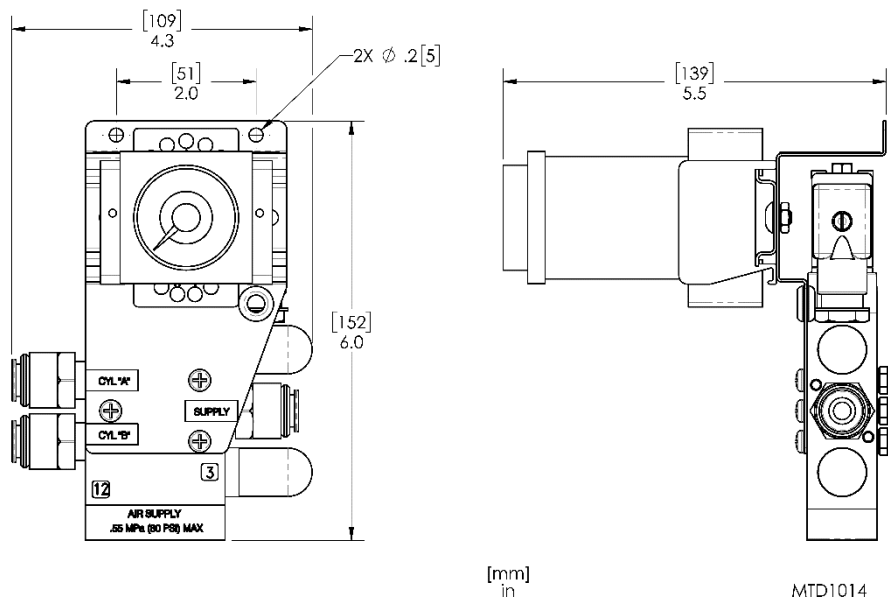


Figure 1-1

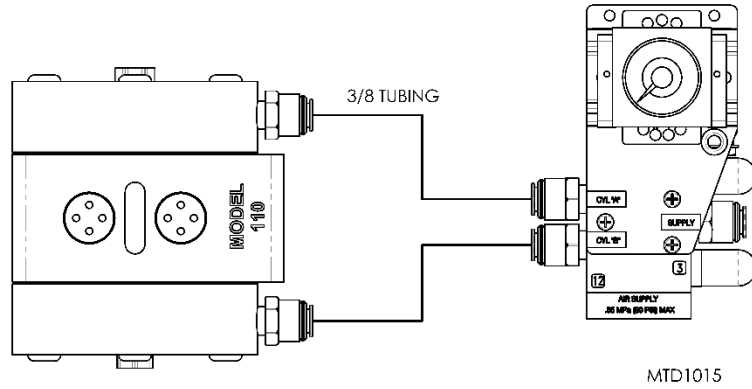


Figure 1-2

! **WARNING:** Particulate, water and oils in the air supply can damage the oscillator.

2 OSCILLATOR CYCLE RATE

Applications with low flow or highly viscous fluid may require a slower cycle rate for increased efficiency. A slower cycle rate will also decrease air consumption.

2.1 ADJUSTMENT INSTRUCTIONS

- Adjust timer dial to adjust cycle rate. To increase, rotate CCW (counter clockwise) to decrease rotate CW (clockwise).
- Tune cycle rate for least pulsation both on inlet and outlet.
- Cycle rate can set using the following equation:

$$C = \frac{30}{T}$$

C = Cycle rate in Cycles per minute (CPM)

T = Timer setting (seconds)

Timer Setting (seconds)	Cycle Rate (CPM)
1.2	25
1	30
.8	37.5
.6	50
.5	60
.4	75
.3	100
.25	120
.2	150
.15	200
.12	250
.1	300