

OPERATION MANUAL



For safety purposes please be sure to read and follow the instructions contained within this manual before pump installation and operation.

Air Operated Cycle Counter

1. Introduction

This product is an air operated type cycle counter used to manage replacement timing of the diaphragms.

2. Precautions

- Provided that the supply air pressure to the pump is 0.2–0.7MPa, the conditions for normal operation of the counter depends on the supply air pressure to the pump, the discharge pressure of the pump, the tube length and the model of the pump. (The supply air pressure to the mechanical series pump should also be 0.2–0.7MPa)
- ※ For smooth functioning of the cycle counter, the tube length connecting pump to the cycle counter should be less than 1m. Please contact us for more details.
- The cycle counter can count up to 8 digits(cycle counter with reset function can count up to 6 digits)
- The ambient temperature for the operation of this counter is 0–60° C.
- The supplied air should be free of oil.
- If the count exceeds the maximum limit, the value resets to 0.
- Other operation conditions should be in accordance to the operating conditions of the pump.
- Some of the pump models are not compatible to this cycle counter. Please contact us for details.

< Reference data >

The following operating conditions with 1m tube length is a reference at which cycle counter operates properly.

Supply air pressure	Discharge pressure
0.2MPa	More than 0.05MPa
0.3MPa	More than 0.1MPa
0.4MPa	More than 0.15MPa
0.5MPa	More than 0.25MPa
0.6MPa	More than 0.4MPa
0.7MPa	More than 0.55MPa

3. Installation to the pump

- When the cycle counter is to be used on the pump customer is currently using, a hole should be drilled on the air motor of the pump. The location and size of the hole to be drilled depends on the model of the pump. Please contact us for more details.
- When purchasing new pump, a hole can be drilled on the pump and delivered from our side.