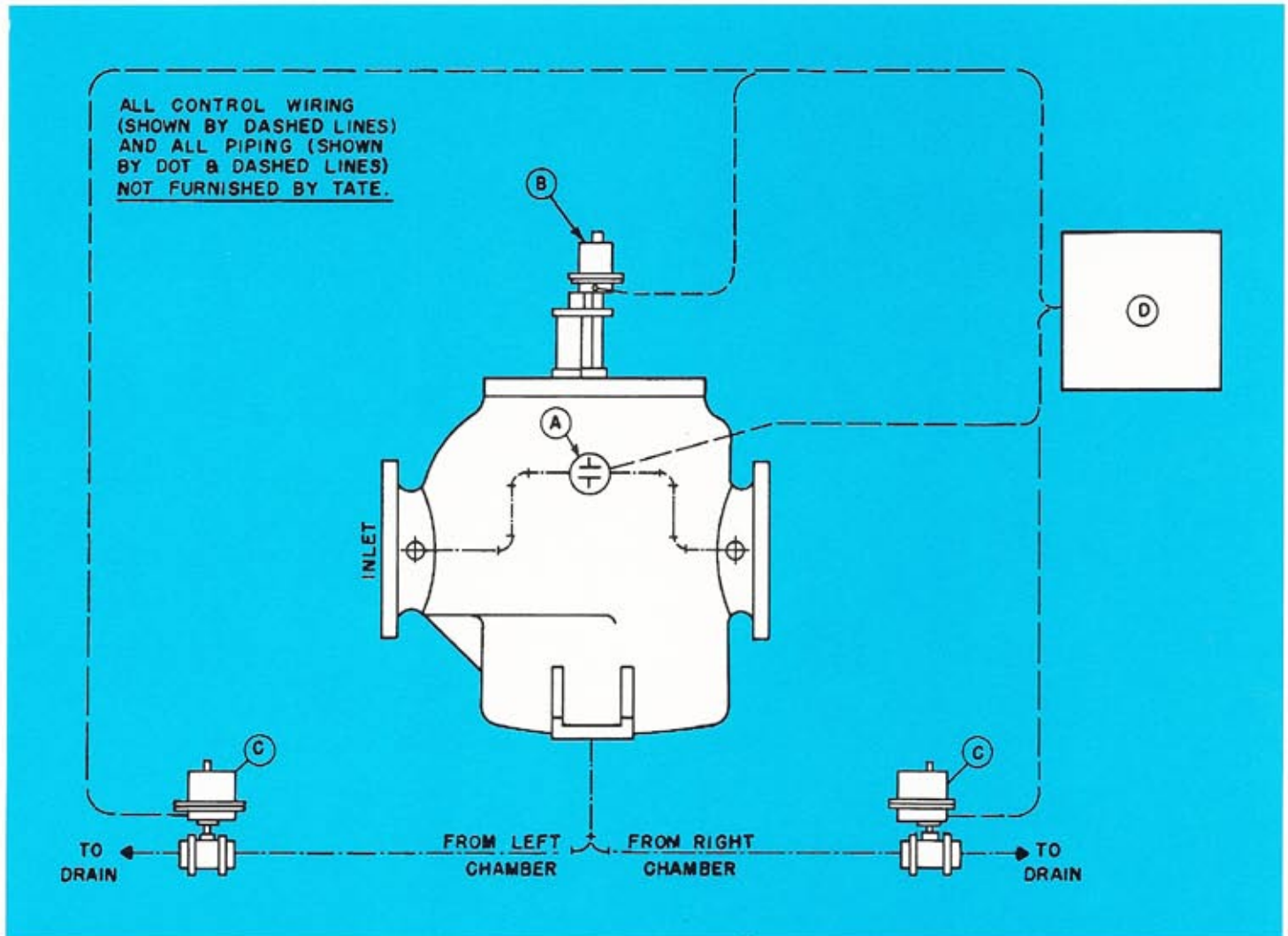


# Tate Andale Standard Automatic Controls available for Type CC, CCF and ECA Strainers Electrically-Operated



This is a completely automatic system with electrical flushing valves controlled by an impulse from a differential pressure switch connected across the inlet and outlet nozzles of the strainer.

When pressure drop due to a dirty basket reaches a pre-set maximum value, the diverter valve switches flow to the clean basket. The idle basket or basket section can then be backflushed in preparation for the next differential pressure signal, at which time the cycle is repeated. The cleaning cycle may also be initiated manually by pushbutton.

The total amount of backflush flow can be varied as the service demands. The duration of the flushing period is field adjustable to permit the most efficient possible cleaning cycle. The controls are normally factory set for a 30 second flushing period.

## Automatic Control System

- Control panel with cycle timer
- Manual override control
- Pre-set differential pressure switch
- Electrically-operated flushing valves
- Backflushing cycle time quickly and easily adjustable

## Optional Features

- Control transformer
- Recycle timer
- Sequential control for multiple units
- Additional differential pressure switch for warning alarm system
- Adjustable differential pressure switch
- Pilot lights

## Services required:

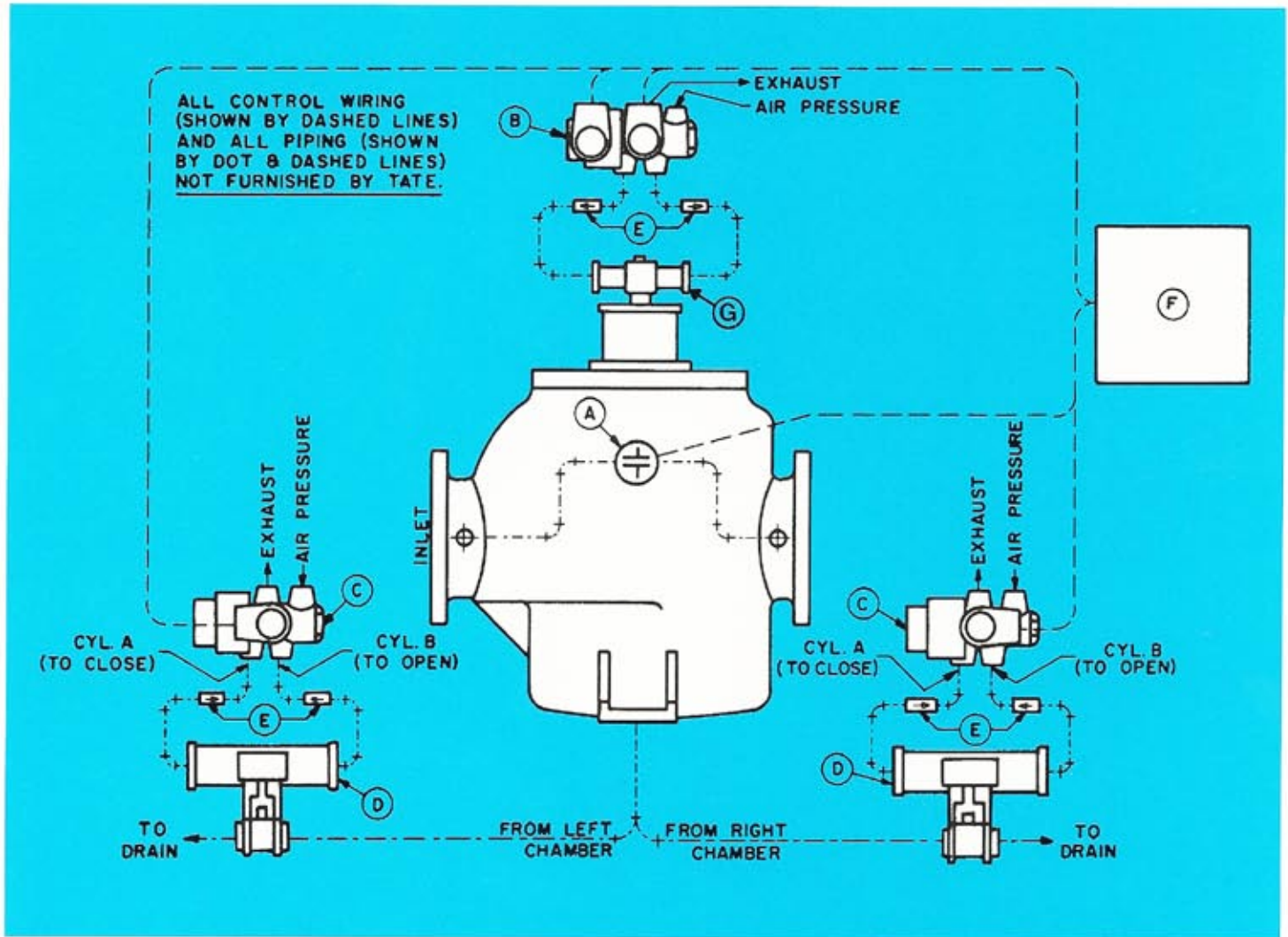
Control system — 110 volt, single-phase, 60 Hz

## Key:

- (A)—Differential pressure switch
- (B)—Electric diverter valve actuator
- (C)—Electric-operated flushing valve
- (D)—Control panel

The correct operation of the automatic self-cleaning strainers is entirely dependent upon the proper engineering, sizing and installation of the total automatic control system

# Tate Andale Standard Automatic Controls available for Type CC, CCF and ECA Strainers Air-Operated



This is a completely automatic system with air-operated flushing valve controlled by an impulse from a differential pressure switch connected across the inlet and outlet nozzles of the strainer.

When pressure drop due to a dirty basket reaches a pre-set maximum value, the diverter valve switches flow to the clean basket. The idle basket or basket section can then be backflushed in preparation for the next differential pressure signal, at which time the cycle is repeated. The cleaning cycle may also be initiated manually by pushbutton.

The total amount of backflush flow can be varied as the service demands. The duration of the flushing period is field adjustable to permit the most efficient possible cleaning cycle. The controls are normally factory set for a 30 second flushing period.

## Automatic Control System

- Control panel
- Manual override control
- Pre-set differential pressure switch
- Air flow control valves
- Four-way solenoid air control valves
- Air-operated flushing valves
- Backflushing cycle time quickly and easily adjustable

## Optional Features

- Control transformer
- Recycle timer
- Sequential control for multiple units
- Additional differential pressure switch for warning alarm system
- Adjustable differential pressure switch
- Pilot lights

## Services required:

Control system — 110 volt, single-phase, 60 Hz  
 Flushing valve — 60 to 100 PSIG clean air supply

## Key:

- (A)—Differential pressure switch
- (B)—Dual solenoid 4-way air valve
- (C)—Single solenoid 4-way air valve
- (D)—Air-operated flushing valve
- (E)—Flow control valve
- (F)—Control panel
- (G)—Diverter operator
- Pneumatic control lines

**The correct operation of the automatic self-cleaning strainers is entirely dependent upon the proper engineering, sizing and installation of the total automatic control system.**