PRECOAT ASSEMBLY

60" ø, 6 Valves

(ASSSEMBLY NO. 536282)
Receiving
The Precoat Assembly is shipped after being tested at SDC and it is pre-assembled for easy installation. When unloading, take care not to damage the external components. Move the Precoat Assembly around via the forklift slots at the bottom of the unit. This auto drain assembly is connected to the closest diaphragm valve to the drain and “shares” the electrical/pneumatic signal with this diaphragm valve.

Installation
Move the Precoat assembly to its final location before connecting any power or ductwork. The following items will need to be connected prior to use:

- Compressed Air

  o Connect Compressed Air Hose to Precoat Assembly Quick Connect.

  o Check Regulator Setting. Regulator should be set to 90psig.
    - Can be adjusted higher or lower to specific system requirements.
• Ductwork
  - Connect system ductwork to 6” Flanged connection as shown above
  - Close Slide Gate (Push In)
  - If applicable, install Rain Hoods on the bottom of the 90° Elbows.

• Electrical
  - The Electrical Supply for the Control Box is 120V/1Ph/60Hz.
  - See Timer Board Wiring Diagram #W6-DWYER on Page 5.
  - ON TIME SETTING: 100milliseconds (ms)
    - Can be adjusted higher or lower to specific system requirements.
  - OFF TIME SETTING: 30 seconds (s)
    - Can be adjusted higher or lower to specific system requirements.
FACTORY SETTINGS

TIME OFF: 30 SEC (CAN BE ADJUSTED)
TIME ON: 100 mSEC (DO NOT CHANGE)

NOTE: IN GROUNDED SYSTEMS
NEUTRAL OF LINE
MUST BE CONNECTED TO L2

USE FAST ACTING
3AMP/250V

TO DISCONNECT
(NOT SUPPLIED)
Adding Precoat

The Precoat Assembly has a MAXIMUM FILL LEVEL of 48” and a MAXIMUM VOLUME of 78ft³
(For Reference: When using SIL-KLEER #17-S 25lb bag. Each bag holds 4ft³. The Precoat
Assembly can accommodate nineteen (19) bags of precoat)

• Close Slide Gate
• Open Hinged Door
• Add Bag(s) of Precoat
• Close Hinged Door. Tighten Knobs to compress Gasket
• Open Slide Gate

NOTE: SLIDE GATE SHOULD BE CLOSED AT ALL TIMES WHEN THE HINGED ACCESS
DOOR IS OPEN.

Operation

The frequency that precoat should be added to the process is dependent upon the process.
Closely monitor the pressure drop and once the pressure drop on the dust collector continues
to increase and does not decrease with the pulse cleaning, more precoat should be added.

• Open Slide Gate.
• Press GREEN ON Button
• Allow precoat system to cycle for three to five minutes
• Press RED OFF Button
• Close Slide Gate.
**Automatic Operation**

If a pressure monitor or smart timer board is installed on the dust collector, it can be used to control the operation of the precoat based upon a High Limit pressure. To do this, follow the instructions below.

- Press **RED** OFF Button
- Remove the jumper from the HIGH LIMIT terminal on the Dwyer Timer board installed inside the control panel.
- Connect contact from High Limit pressure switch to HIGH LIMIT terminal.
- Press **GREEN** ON Button
- Monitor pressure drop and ensure Precoat system pulses once the High Limit pressure drop has been reached.

**NOTE:** When using Automatic operation, it may be beneficial to increase the OFF TIME from 30 seconds to regulate the amount of precoat introduced over the period of time it will take for the pressure drop to decrease to turn the HIGH LIMIT switch off.

- **Timer board has a maximum OFF TIME of 180 seconds.**