Centennial
Flow Charts and Control Positions
Standard Spray Bar
S2X Controls
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Important

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Asphalt Distributor Operation, Maintenance and Safety manual for complete instructions.

This pamphlet is provided as a tool to aid personnel in the operation of the Etnyre Blacktopper Centennial Distributor, as with any type of construction equipment, there are certain hazards associated with improper or careless operation. The ability to read and understand the instructions should be a required qualification to become an operator. There are also functions that require a certain amount of physical strength to accomplish. Persons lacking the required strength may not only place themselves in jeopardy, but also others in the vicinity. Read and understand the Safety precautions found in M-103 Centennial Asphalt Distributor Operation, Maintenance and Safety manual before operating this machine.

If you have any questions regarding this pamphlet or the operation of your unit, contact your Etnyre dealer or the E. D. Etnyre Service Department at 1-800-995-2116.

WARNING

Do not use this machine for any operation which is not described in the Operation manual.

If you have any questions about the operation of this machine, contact the Etnyre Service Department at 1-800-995-2116 or 1-815-732-2116.

Operations that are not approved could cause serious injury or death.
Fill through Fill Line

Return Valve Open
Some units may have a butterfly valve in place of the return valve. The butterfly valve should be Open.

Rear Panel
When filling from rear:
"Pump Control" knob fully counterclockwise "Minimum"
"Pump Control" switch "Rear"
"Suction Valve" switch "Closed"
"Master Power" Switch ON
Adjust "Pump Control" knob to desired rate

When filling from Front:
"Pump Control" switch "Front" then adjust rate using Circulation Rate switch on Cab Panel

Cab Panel
"Power" Switch "ON"
Rotary Actuator to "Load/Suckback"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Fill through Manhole

- Hand Spray Valve Positions
  - OFF
  - SUCK BACK

- Suckback Control Cylinder
  - Closed ("Off")

- Handspray Valve
  - Off

- Transfer Valve
  - Closed ("Off")

- Transfer Line Suck Back Valve
  - Closed

- Return Valve
  - Open

Some units may have a butterfly valve in place of the return valve. The butterfly valve should be Open.

- 4 Way Valve
  - Load/Suckback
  - (Keyway in 12 o'clock position)

- Flush Valve
  - Closed

- Suction Valve
  - Closed

- Cab Panel
  - "Power" Switch "Off"
  - Rotary Actuator to "Load/Suckback"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Circulate In Tank

Rear Panel
"Pump Control" switch "Front"
"Suction Valve" switch "Open"
"Master Power" Switch "On"

Gallons Per Minute (Circulation Rate) is controlled with Circulation Rate switch in Cab when "Pump Control" at rear is on "Front" and from rear knob when on "Rear"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Circulate In Bar

Hand Spray Valve Positions
- Off
- Suck Back
- Handspray Valve
- Closed
- "Off"

Transfer Valve
- Closed
- Suck Back
- Valve
- Open

Suckback Control Cylinder
- Closed
- ("Off")

Suction Valve
- Open

Return Valve
- Open
- Some units may have a butterfly valve in place of the return valve. The butterfly valve should be Open

4 Way Valve
- Circulate In Bar
- (Keyway in 9 o'clock position)

Flush Valve
- Closed

Hand Spray Valve
- Closed

Cab Panel
- "Power" Switch "OFF" while other switches are being set then "ON" when ready to circulate
- "Spraybar" switch "OFF"
- "Rotary Actuator" to "Circulate In Bar"

Rear Panel
- "Pump Control" switch "Front"
- "Suction Valve" switch "Open"
- "Master Power" Switch "On"

Gallons Per Minute (Circulation Rate) is controlled with Circulation Rate switch in Cab when "Pump Control" at rear is on "Front" and from rear knob when on "Rear"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Spray

NOTE: Unit should already be operating in Bar Circulate and circulating oil to be ready to spray.

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Suckback Spraybar

Rear Panel
“Rotary Actuator” to “Load/Suckback”
Suck Back Switch “On”
POWER switch ON

Rear Panel
“Master Power” Switch “On”
Pump Control Switch in “Rear”
Adjust Pump Control to 200 GPM

Bleeder Valve is last flip lever valve on wings.

Open and close left valve, then right.

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**Handspray**

Adjust pressure by open/close Return Valve. Do not close completely. If more pressure is desired increase GPM before Return Valve is completely closed.

**NOTE:** Handspray should only be done in (Auto) or Front.

Adjust rate with "Circulation Rate" switch in cab.

**Rear Panel**

"Master Power" Switch "On"
"Suction Valve" Switch "Open"

**Cab Panel**

"Rotary Actuator" to "Circulate In Tank"
"Spraybar" Switch "Off"
"Power" Switch "On"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Handspray Suckback

Hand Spray Valve Positions
Hand Spray Valve 
Suckback Valve
Hand Spray 
Valve Closed
Suckback
Control Cylinder
Closed
Transfer Line
Suck Back
Valve Closed
Return Valve Open
Some units may have a butterfly valve in place of the return valve.
The butterfly valve should be Open
Flush Valve Closed
Hand Spray Valve Open
4 Way Valve
Load/Suckback
(Keyway in 12 o’clock position)

Rear Panel
"Master Power" Switch "On"
Pump Control Switch in "Rear"
Adjust Pump Control to 200 GPM

Cab Panel
"Rotary Actuator" to "Load/Suckback"
"Spraybar" Switch "Off"
"Power" Switch "On"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Pump Off

Rear Panel
"Master Power" Switch "On"
Pump Control Switch in "Rear"
Adjust Pump Control to 200 GPM

Cab Panel
"Rotary Actuator" to "Circulate In Tank"
"Spraybar" Switch "Off"
"Power" Switch "On"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Transfer

Adjust rate with "Pump Control" knob on rear. Adjust rate with "Circulation Rate" switch in cab.

Rear Panel
"Master Power" Switch "On"
"Suction Valve" Switch to "Closed"

Cab Panel
"Rotary Actuator" to "Load/Suckback"
"Spraybar" Switch to "Off"
"Power" Switch "On"

To prevent product from entering tank Return Valve Closed
Some units may have a butterfly valve in place of the return valve The butterfly valve should be Closed

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Flushing

Adjust rate with "Pump Control" knob on rear. Adjust rate with "Circulation Rate" switch in cab.

Rear Panel
"Master Power" Switch "On"
"Suction Valve" Switch "Closed"

Cab Panel
"Rotary Actuator" to "Load/Suckback"
"Spraybar" Switch "Off"
"Power" Switch "On"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
Front Fill
(optional equipment)

Inside Tank

Rear Panel
"Pump Control" switch "Front"
"Suction Valve" switch "Open"
"Master Power" Switch "On"

Hand Spray Valve Positions
Hand Spray Valve Off
Suck Back Valve Closed
Transfer Line Suck Back Valve Closed
Return Valve Open
Some units may have a butterfly valve in place of the return valve. The butterfly valve should be Open

Cab Panel
"Power" switch "OFF" while other switches are being set then "ON" when ready to circulate
"Spraybar" switch "OFF"
"Rotary Actuator" to "Circulate In Tank"
Suction switch to "Front" position

Gallons Per Minute (Circulation Rate) is controlled with Circulation Rate switch in Cab when "Pump Control" at rear is on "Front" and from rear knob when on "Rear"

The instructions represented here are a guide and not designed to be comprehensive. Refer to M-103 Centennial Operation Manual for complete instructions.
<table>
<thead>
<tr>
<th>Ref.</th>
<th>Part No.</th>
<th>Description</th>
<th>Application Gallons Per Square Yard</th>
<th>Application (Metric) Liters Per Square Meter</th>
<th>US Flow Gallons Per Minute Per Foot</th>
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<tbody>
<tr>
<td>1</td>
<td>3353788</td>
<td>V Slot Tack Nozzle 1/8&quot; Rifle Bored</td>
<td>.05 - .20</td>
<td>.23 - .91</td>
<td>3.0 to 4.5</td>
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<td>3351013*</td>
<td>V Slot Tack Nozzle 1/16&quot; Coin Slot</td>
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<td>.23 - .91</td>
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<td>2</td>
<td>3351008</td>
<td>S36-4 V Slot</td>
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<td>.45 - 1.58</td>
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<td>.81 - 2.04</td>
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<td>3352368</td>
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<td>.68 - 1.81</td>
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<td>3355154</td>
<td><strong>End Nozzle</strong> (use with 3352204 nozzle)</td>
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**Etnyre Spray Bar Nozzles**