PRODUCT DESCRIPTION
To enhance the Slipstick horizontal motion conveyor, Triple/S Dynamics offers a fully integrated
gate/flow inhibitor control package—the Pneumatic Interface Module (PIM). The PIM serves as
an interface between PLC/level control monitors and Slipstick gates and flow inhibitors. The
primary function of the PIM is to regulate the activity of these components—opening and closing the
appropriate gates and flow inhibitors as needed. In addition, the PIM can be configured to meet a
great variety of plant-preferred applications.

SPECIFICATIONS
Requirements:
■ Air: 60-90 psi
■ Electrical: 120 VAC
■ 24 VDC (optional)

PIM Enclosure Options:
■ Stainless Steel
■ Powder Coat Epoxy

Valve Options:
■ MAC
■ Asco-Redhat
■ Pneumatic

COMPONENTS
The PIM includes:
■ A terminal block - to direct incoming electrical signals
■ An air regulator and gauge - to control incoming air pressure levels
■ A solenoid coil - to actuate valves
■ Valves (one per gate and one per flow inhibitor)
■ 60 psi output ports - to open and close cylinders
■ A hinged enclosure - to protect the PIM
■ A muffler - to diffuse purged air

CONFIGURATION
The signal generated by a level control monitor (ex. an ultrasonic or photo sensor) is transmitted to
the PLC, processed, and then directed to the terminal block inside the PIM. Next, the signal travels
to the solenoid valve, which applies air pressure to the cylinder-opening or closing appropriate
Slipstick gate or flow inhibitor. Each Slipstick gate includes flow valves for speed control. The PIM
can incorporate one to twelve valves, allowing control of up to twelve gates and/or flow inhibitors.
For more details of the PIM layout, note the schematic included with this description (on back).
FPIM: ANOTHER LEVEL OF CONTROL
For applications where a plant-supplied PLC and timer logic are not available, Triple/S Dynamics offers the FPIM. The FPIM combines the features of the PIM with a PLC timer integrated into the standard hinged enclosure. The addition of the PLC timer allows the FPIM to coordinate the timing and actuation of the flow inhibitor, maximizing clean, product-free gate closures. The FPIM is configured into the Slipstick conveyor system as any other gate control device. In addition, the FPIM can be configured to meet a great variety of plant-preferred applications.