



**Series 79 Pneumatic Actuator  
and T-21 Ball Valve**



**Series 79 Pneumatic Actuator  
and T-57 Butterfly Valve**

## Standard Features

- Low profile, compact package for ease in mounting where space limitations are an issue
- Actuators and accessories meet ISO and NAMUR standards, therefore, no special training is required for field installation/conversion
- M12 stainless steel connection utilized for network interfacing - Type 4X rated
- No moving parts with proximity sensor triggered by a target puck
- Sealed proximity switch so open cavity condensation is not an issue
- Each actuator has visual indication and proximity feedback to the PLC
- Each component meets Type 4X
- Low power consumption allows power and data communications via the same two-wire cable
- A system of 31 valves requires less than 5 amps of AS-i power
- Expandability with gateway and/or insulation displacement connector
- 5 ms reaction time from PLC to cycling of unit
- Conformance to AS-i Certificate ZU15101

## Sample Specification

All pneumatically actuated AS-i systems shall have a two-input/two-output proximity sensor and a solenoid directly mounted to a Series 79 actuator. The sensor shall be constructed of Pocan® thermoplastic polyester, Type 4X protection, operation and function LED's, voltage range of 20-30 VDC, and a stainless steel M12 socket connection to the network. The solenoid shall have an anodized aluminum body with a 1/4" NPT air inlet, manual override, and NEMA 4X protection. Spool/piston shall be synthetic resin with NBR and FKM O-rings, and fitted with an epoxy-encapsulated coil directly coupled to the proximity sensor, as supplied by Asahi/America, Inc.