The Zoned Safety Manifold solution is ideal when operator interaction is common in one or more discrete machine areas (e.g. load/unload). The machine builder can safely shutdown up to 3 independent areas while other sections continue to operate normally. This can result in compressed air savings, more throughput as other machine areas continue to operate, and faster restarts after the shutdown area is reset due to shorter compressed air fill times. Compared to expensive stand-alone dual redundant dump valves, this zoned safety solution provides a compact, cost-effective solution where multiple safety zones could be designed to maximize machine efficiency.

The solution uses standard pneumatic components which streamlines machine maintenance routines and minimizes required stocking of spare parts. These standard pneumatic components can also be used to implement the most effective safety solution for the application – e.g. return home, hold position and many other functions. The Zoned Safety Manifold provides up to 3 independent safety zones in one manifold as well as standard valves not associated with a safety function. Each zone can be configured to satisfy ISO 13849 up to Cat 3 PLd. Contact ASCO to see how this flexible and compact safety solution can be used to make your processes more efficient.

- **Supports ISO 13849 up to Cat 3 PLd** (with appropriate monitoring and control functionality)
- **Evaluated by TÜV Rheinland®** (Report No. 986/FSP 1228.00/14)
- **Ideal for Load / Unload and Other Safety Applications**
- **Up to 3 Independent Safety ZONES in One Manifold**
- **Compatible with Various Safety Control Platforms** (with or without Pulse Test)
- **Fieldbus Communication** (PROFINET™, EtherNet/IP™ DLR, EtherCAT®, Ethernet POWERLINK®)
- **Utilizes Safety I/O from any Safety Network**
- **SAFE / Standard Sections in One Manifold!**

*The manufacturer or supplier of a machine must ensure that a risk evaluation is performed to determine the health and safety requirements involved in its operation. The machine must be designed and constructed in accordance with the risk evaluation. The final safety level must be calculated by the manufacturer or supplier of the machine in accordance with ISO 13849 standards, integrating the data of the complete system (e.g. architecture, inputs, logic, outputs and monitoring).*
The ZONED SAFETY MANIFOLD is an integrated pneumatic manifold assembly that includes the necessary SRP required to provide redundancy and monitoring for ISO 13849-1 compliance.