

Why Safety Shields?



With the growing awareness of the importance of safety in the environment, RAMCO® Safety Shields are a natural fit in processes involving hazardous or toxic chemicals. Not only do they provide safety features, but they also permit cost reduction. Shields contribute to worker health and safety by minimizing absenteeism due to accidents caused by contact with leaking chemicals and contain costs because there is no need to train replacement workers. Also, because they prevent sprayouts from harming personnel, shields contribute indirectly to maintaining stable health insurance rates and containing workmen's compensation claims.

How Safety Shields Protect

Safety shields prevent sprayouts by interposing an impregnable barrier between the chemical flowing through the piping system and the external environment.

To provide this protection, safety shields must be produced from special materials that are unaffected by chemicals and can tolerate exposure to various temperatures and pressures. In the event of a leak, the escaping fluid is controlled within the shield, and the pressure is dissipated, allowing the leaking chemical to drip harmlessly to the ground.

RAMCO® manufactures an assortment of safety shields to accommodate the hundreds of liquid chemicals that are used in processing industries at varying temperatures and pressures. By selecting the appropriate shield for a specific application, virtually all situations can be safeguarded.

The RAMCO® Safety Shields are suitable exclusively for liquid chemicals, both hazardous and corrosive, as well as water and steam. Since these shields have not been designed for use with gases or solids and do not resist radiation, they should not be considered for these applications.

To select the proper safety shield, it is necessary to be familiar with the physical properties of the special materials from which RAMCO® Safety Shields are fabricated and to correlate this information with the chemical, temperature and pressure ratings within the piping system.

It must be emphasized that a safety shield is not designed to stop leaks. Its purpose is to indicate, contain and deflect temporarily the escaping fluid and, thereby, prevent a sprayout. When shields have been installed, workers can approach a leaking pipe joint safely, shut off the system and make the necessary repairs.

Safety Shield Characteristics

RAMCO® Safety Shields deliver the safety and dependability that current technology can provide. Each newly developed safety shield is subjected to laboratory testing. Only when we at RAMCO® are satisfied that we have developed a quality product, do we subject it to field testing. When it successfully passes this hurdle, the shield is put into production, and rigid quality control assures no deviation from the standard.

When considering the specification or purchase of safety shields, the characteristics that should be explored include:

- Mullen Burst Strength
- Tensile Strength
- Adequate Hem
- Adequate Heat Resistance
- Chemical Compatibility
- Resistance to Ultra-Violet Light
- Adequate Tie-Down Cord

Be Assured

RAMCO® Safety Shields have been designed and manufactured with full appreciation of these essential characteristics. The assurance of preventing the consequences of a hazardous sprayout by the use of appropriate, effective safety shields must be the deciding factor in the purchase of these products.

Assuring Safety Requires Quality Beyond Doubt ... Anything Else Involves Risk.