

Since 1971 Melco Steel, Inc. has been a leader in the engineering, design and fabrication of quick opening closures. The *Harris* Quick Opening Door is a proprietary closure designed and manufactured in strict accordance with the ASME Boiler and Pressure Vessel Code, Section VIII, Division 1. The door is custom designed and fabricated for use by other pressure vessel manufacturers and for use on Melco's own autoclaves and pressure vessels.

Operation is smooth, direct and efficient.



Rotation of the locking ring engages multiple lugs. Each lug is precision fitted with a tapered hardened steel wedge to provide secure restraint and the sealing action of the door. Each door design is unique, with special attention paid in the preliminary design stages to assure complete satisfaction of operation and maintainability. While each door is custom



built, we draw upon many years of experience and have been able to refine our standard design concepts to consistently provide a reliable and safe piece of equipment.

Operational safety is a prime consideration in the design of the *Harris* door. The DOOR SAFETY INTERLOCK mechanism exceeds the requirements of UG-35 of the ASME Code. Redundant interlocks prevent accidentally opening the door while under pressure. These interlocks typically include: mechanical, electrical, pneumatic and hydraulic.



The doors are fabricated from carbon steel or stainless steel alloys using forgings or rolled plate.



- Complete *Harris* Door Design and Fabrication
- Up to 32 Feet in Diameter
- Up to 3,000 psig
- Suitable for Vacuum Service
- Hydraulic or Manual Operation
- Built in DOOR SAFETY INTERLOCK Mechanism
- Carbon Steel, Stainless Steel or SS Wetted Parts
- Horizontal or Vertical Operation
- Fully Adjustable Hinge
- Made in USA Since 1971
- Reliable and Efficient Operation
- Contact us for a *QUICK QUOTE*



MELCO STEEL, Inc.