



SAFETY-RELIEF VALVE

MODEL 1600

***ASME
UV CODED
NATIONAL BOARDED**

***ASME UV CODED PER SEC. VIII DIV. I
AIR & GAS SERVICE.(PLASTIC SEATS ONLY)**

**FLUID MECHANICS SAFETY RELIEF VALVES ARE DESIGNED TO
GIVE BUBBLE TIGHT SHUT-OFF OF CLEAN DRY GASES WITH
CONSISTENT PERFORMANCE AT PRESSURES UP TO 6,000 PSIG.**

CONSULT FACTORY FOR CRYOGENIC TRIM

INNER VALVE UNIT

**THE INNER VALVE UNIT IS EASILY REPLACED.
BY REPLACING THIS UNIT, THE NOZZLE, SEATS,
DISC AND ALL GUIDE AREAS ARE REPLACED.**

GUIDE

**THE GUIDE AREA ON THE SLEEVE AND ON THE
DISC ASSEMBLY ARE BEAD BLASTED TO PREVENT
GALLING.**

PLASTIC SEAT

**THE SOFT SEATED VALVES
CONTAIN A SPECIAL CAPTURED
PLASTIC SEAT. THIS SEAT
IS SPECIALLY MACHINED WITH
THE METAL BACK-UP SECTIONS
TO ASSURE PERFECT HEIGHT AND
WIDTH FOR BUBBLE TIGHT
SHUT-OFF AND TO PREVENT
SEAT BLOWOUT UNDER SONIC
VELOCITIES.**

NOZZLE SEAT

**THE NOZZLE SEAT IS POLISHED
TO OPTIMAL FLATNESS.**

SEALS

THE EXTERNAL SEALS PREVENT ANY EXTERNAL LEAKAGE.

INTERNAL CAVITY

**THESE VALVES WERE DESIGNED WITH A LARGE INTERNAL
CAVITY. THIS DESIGN FEATURE PREVENTS PRESSURE
BUILD-UP INSIDE THE VALVE. PRESSURE BUILD-UP
INSIDE THE VALVE CAN CAUSE CHATTERING OF THE
INNER VALVE UNIT WHICH RESULTS IN REDUCED
CAPACITY AND DAMAGE TO SEALING SURFACES.**

