MOLDED MANIFOLD

GENERAL CHARACTERISTICS

- Two parts are molded together to provide a unit construction that reduces leak paths and increases the stability of the inflator when mounted on the manifold
- Welding flange is urethane which welds to most urethane coated inflation chambers
- The patented silicone valve provides positive sealing and low opening pressure to allow a complete fill from the CO_2 cylinder
- Uses the same sealing die as the current brass manifold for a seamless transition in production
- Self-aligning cap nut prevents cross-threading in production
- The cap with the HR underlined and the ® can be used on all 830B08 manifolds
- Stem is molded from high strength engineered plastics for strength and high corrosion resistance
- 100% leak tested

MOLDED MANIFOLD

PART NUMBERS

- 830B08 Assembly

SPARES

- 8491AM – Gasket (2 required)
- 830B03 – Cap Nut
- 830B07 – Valve

Uses welding die D830A0

PERFORMANCE CHARACTERISTICS

- Valve opens at 30 psig (207 kPa / 2 bar)
- Cap nut torque – 24 to 30 in-lb (2.7 – 3.4 Nm)
- Functions at temperature ranges of 32°F to 120°F (0 to +49 ºC)
- Storage temperature range -22°F to 158°F (-30 to +70 ºC)
- Pull out force (per UL 1191) – 250 lbs. (1.1 kN)

QUALITY CRITERIA

- 100% tested for crack pressure
- 100% tested for leaks

MATERIALS

- Flange – polyether urethane
- Stem – glass filled nylon
- Cap Nut – glass filled nylon
- Valve – silicone/acetal

PACKAGING AND SHIPPING

- Minimum shipping – one box
- 300 parts per box
- Box size – 11” x 8” x 6”
- Weight – 5 lbs.