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**Product:** Plastic Pipes, Fittings and Valves

**Model:** "INSTAFLEX" PB

**Intended Service:**

Hot and cold fresh water, potable water, chilled water and compressed air systems.

**Description:**

Polybutylene plastic pipes in sizes O.D. 16x2.0mm, 20x2.0mm, 25x2.3mm, 32x3.0mm, 40x3.7mm, 50x4.6mm, 63x5.8mm, 75x6.8mm, 90x8.2mm and 110x10mm; valves and fittings

**Ratings:**

Pipe sizes O.D. 16mm to 90mm Maximum Pressure: 10 Bar, Maximum Temperature: 70°C (Short periods up to 95°C)

Pipe Size O.D. 110mm Maximum Pressure: 7 Bar, Maximum Temperature: 70°C (Short periods up to 95°C)

**Service Restrictions:**

1) Usage limited to applications where "no fire endurance test" required by Table 4-6-3/1 of the ABS Steel Vessel Rules. 2) Installation and joining procedures are to be to the satisfaction of the attending Surveyor. 3) Unit Certification is not required for this product.

**Comments:**

1) All pipes and fittings are to be permanently marked with identification including pressure rating, design standard to which the pipe or fitting is manufactured, and the material with which the pipe or fitting is made. 2) All valves are to be hydrostatically tested by the manufacturer and are to bear the trademark of the manufacturer legibly stamped or cast on the exterior of the valve, as well as the pressure rating. 3) Acceptability of flame-spread test performed in accordance with ASTM D635 may be subject to approval by the Administration of the vessel's Registry. 4) For every installation, details of operating medium, maximum and operating temperatures, pressures, pipe sizes and pipe supports and fixing arrangements are to be submitted for review. 5) Pipes for potable and drinking water are to be disinfected prior to use as per manufacturer's Technical Manual, November 2001.

**STANDARDS**

**ABS Rules:**

2004 Steel Vessel Rules 1-1-4/3.7, 4-6-3/5.1, 4-6-3/5.3, 4-6-3/5.7, 4-6-3/5.11, 4-6-3/5.13, 4-6-3/5.15 and 4-6-3/5.17

**National:**

ASTM D 635-91, UL 94, BS 5955 Pt 8, BS 6920 and BS 7291.

**International:**

ISO 9080, ISO 75-2004 and ISO 3127

