

SECTION 100.70

WATER SYSTEM HOT TAPS

HOT TAPS ON WATER SYSTEM

1. Hot taps are allowed on:
 - Ductile Iron
 - Cast Iron
 - Asbestos Cement
 - PCV C900
 - Bituminous, Tar, or Cement Coated Steel
2. Hot taps are NOT allowed whenever the diameter of the service line is greater than three-quarters (3/4) of the diameter of the main.

Examples: Maximum tap size: 4" on 6"; 6" on 8"; 8" on 12"; 12" on 16"; 12" on 18".
3. Hot taps are NOT allowed within four feet of end of pipe, fittings, or service taps. Pipe shall be exposed to confirm District Inspection.
4. Contractor shall have tapping sleeve and valve fully installed with concrete support under valve, and approved by the District Inspector prior to making the hot tap.
5. Approved tapping sleeves and saddles (or approved equal):
 - Ford Fast all Stainless Tapping Sleeve (Fast).
 - Ford Tapping Sleeve Style (FTSC) with Stainless Steel or Ductile Iron Flange.
 - ROMAC Stainless Steel Tapping Sleeve (SST with Stainless Steel or Ductile Iron Flange).
 - APAC Fabricated Steel Fusion Bonded Epoxy Coated Weld-On #504 Saddle.
6. Tapping sleeves or saddles to be air-pressure tested at 50 psi.
7. Epoxy coating burned off during welding of saddles to pipes shall be replaced with Scotchkote #203. Not less than 10 mil thickness.
8. Concrete coating removed from pipe to be replaced with All-Crete or Speed-Crete concrete mix using a concrete and plaster adhesive. Method: Paint pipe surface with adhesive, then coat with concrete mix equal to existing coating thickness.
9. Asphalt coating removed from pipe to be replaced with bitumastic material.
10. Valves specifically designed for hot taps or resilient seat valves shall be installed for hot taps.