



TECHNICAL SERVICES, S. E.

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HOT TAP RATES for Piping and Tanks - Year 2021

El Dorado Technical Services, S. E. is able to furnish hot taps anywhere on the island of Puerto Rico, as well as other Caribbean Islands. Our smaller manual machine handles taps from 1" dia. to 4" dia. whereas our larger machine handles from 4" to 12" dia. The larger machine is pneumatically powered and therefore requires a high pressure 375 scfm compressor. If additional equipment is needed, El Dorado has first right to supply equipment at below quoted rates.

For the rate shown below El Dorado only furnishes:

- A. 1 – Operator of Hot Tap machine
- B. Transportation to site
- C. 1 - Hot tap machine

El Dorado can furnish:

High Pressure Compressor @ \$310.00 per day
(Includes up to 100 LF of air hose only)
Boom Truck (Crane) at \$520.00 per day Crane
Operator @ \$33.00/hr (\$63.00/hr OT)

Client may have to furnish:

- A. Compressor - 375 CFM Minimum High Pressure.
- B. Crane - only if needed
- C. Operator's helpers (Sole discretion of El Dorado)
- D. Installed weld-o-lets and flanges, pressure tests, etc.
- E. Installed isolation full port gate or ball valves (valve nipples [lugs] must be ground off).
- F. Access to hot tap valve including, but not limited to, certified scaffolding, etc.

Rates to apply in Puerto Rico only (Overtime rate in parentheses):

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|----|--|---------------------------|
| A. | Travel Time (1 hr min each way) | \$135.00/hr (\$165.00/hr) |
| B. | Work time or standby | \$295.00/hr (\$320.00/hr) |
| C. | Operator Assistance (travel and work time) | \$33/hr (\$63/hr) |
| D. | Inspection visits– if required by Client | \$135.00/hr |

Terms and conditions:

- A. **Minimum: 4 hours work plus 2 hrs travel round trip per day.**
- B. Weekends, holidays and after 3:30 pm regular working day are considered overtime and will be charged at overtime rate. An operator assistant provided by El Dorado may be required depending on the conditions, size and the amount of hot taps and will be at the sole discretion of El Dorado.
- C. A charge of \$20.00 will be invoiced to client to pay for dinner per person if operator works over 8 hours or work after 5:30 pm of any regular day.
- D. An extra charge of \$120.00 (for up to every two hot taps) will be added to all hot taps performed on chilled water or glycol piping due to increased wear to drill parts caused by embrittlement of welding on cold pipe. Care should be exercised when performing the welding procedure.
- E. An extra charge of \$180.00 will be added to all hot taps performed on steam due to packing replacement – high temperature.
- F. **Additional Hot tap services will not be performed until all pending invoices have been paid regardless of aging.**

Guidelines for new isolation valves assemblies:

- A. For Sc Std nipples tapping can be done for same size required' e.g. If a 1 ¼" tapping is desired, a 1 ¼" full port valve assembly can be used.
 - 1. If Sc 80 piping is used; the valve assembly shall be made of the next available size, e.g. if a 1 ¼" tapping is desired, a 1 ½" full port valve assembly is required.
- B. The end of the small machine is 2" Female NPT; the desired end at valve for 2" and less is a male NPT nipple.
 - 1. For 2" and above flange 150# connection is acceptable. New gaskets shall be made available for us to use during procedure. When ordering service please specify connection.
 - 2. For small machine the required clearance beyond the machine's connection point is 6'-0".
- C. The standard connection end of the big machine is 150# flange. If a 300# connection is required, please advise at the time of ordering service.
 - 1. For the big machine the required clearance beyond the machine's connection point is 8'-0".
- D. Valve assembly length can not be more that 12" from top of the pipe to end of tapping machine's connection point for each machine. Specify if gate or ball valve is used and the end connection, gate valve is preferred. Either way, valve should be full port.

Lee Humbert, PE

Lee Humbert
President