

Roy E. Hanson Jr. Mfg.



A.S.M.E. PRESSURE
VESSELS

1600 E. Washington Blvd. • Los Angeles, CA 90021

Mail: Box 30507 • Los Angeles, CA 90030-0507

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Gentle People, For Your information:

Conductivity of pure copper (no alloy) is rated at 100.

Conductivity of Hanson's forged carbon steel F.N.P.T or M.N.P.T. is rated at 10.84.

Conductivity of Hanson's stainless steel F.N.P.T. or Male N.P.T is rated at 2.39.

All above are converted from resistivity.

To analyze-
 $\frac{2.39}{10.84} = 22\%$

Therefore stainless steel F.N.P.T or M.F.N.P. is a far better connection in Hanson's water tanks than carbon steel, either F.N.P.T. or M.N.P.T.

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Reference: Compiled by the Collaboration for NDT Education, March 2002
https://www.nde-ed.org/GeneralResources/MaterialProperties/ET/Conductivity_Iron.pdf

TOLL FREE:
(800) 421-9395 (49 States)
(800) 521-6956 (California)

Phone (213) 747-7514
Fax (213) 747-7724
<http://www.hansontank.com>