

# Friction factor flags meaning

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## Correlations for fluid components of kind hole

- 100: iter conductor
- 101: iter conductor
- 102: turbulent friction evaluate with newton
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- 106: turbulent friction evaluate with newton
- 107: turbulent friction evaluate with newton
- 108: turbulent friction evaluate with newton
- 109: turbulent friction evaluate with newton
- 110: Blasius formula
- 111: Bhatti Shah correlation for turbulent flow
- 112: LHC magnets recipe
- 113: memorandum Bessette ITER CS spiral y 2015
- 114: CSI LS best fit ICEC Y2016
- 115: Tronza ITER TF correlation
- 116: Incropera rectangular duct DEMO turbulent flow
- 117: Incropera rectangular duct DEMO turbulent flow
- 118: flat spiral from cfd
- 119: duct DEMO common memo turbulent flow
- 120: duct DEMO common memo turbulent flow
- 121: Haaland equation
- 122: Colebrook formula
- 123: Petukhov correlation
- 124: rectangular duct ENEA HTS CICC turbulent flow

## Correlations for fluid components of kind bundle

- 200: Tronza ITER TF correlation
- 201: Nicollet general correlation
- 202: Wanner correlation
- 203: kstar correlation
- 204: Katheder correlation
- 205: Katheder correlation
- 206: Darcy Forcheimer porus medium correlation
- 207: LHC Poncet correlation
- 208: ITER CS correlation
- 209: DTT correlation
- 210: DEMO TF HTS correlation
- 211: HTS CL correlation

## User defined correlation

- -99: user defined friction factor