



# Hydraulics of Pipelines: Pumps, Valves, Cavitation, Transients

By *J. Paul Tullis*

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This comprehensive text/reference addresses all hydraulic aspects of pipeline design. Incorporates many real-life examples from the author's experience in the design and operation of pipelines. Topics covered include basic equations necessary to pipeline design, how to conduct a feasibility study and perform economic analysis, design considerations for pumps and valves, how to suppress cavitation, hydraulic transients, trapped air, and methods of numerical solution of governing equations (including applications to complex piping systems). Includes twenty-five tables for easy reference. Extensively illustrated.

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