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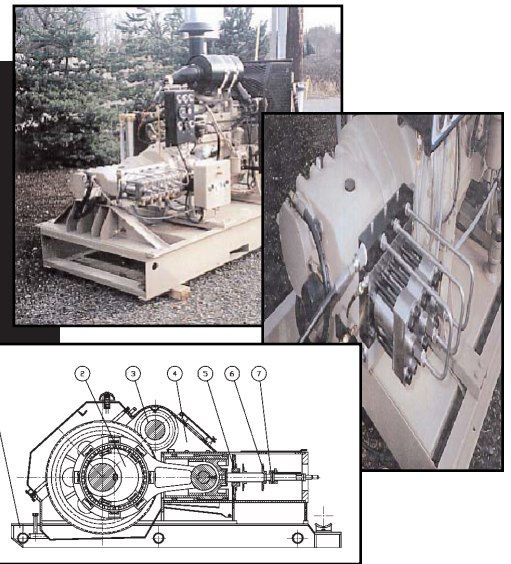
by Michael T. Gracey, PE



High Pressure Pumps provides a look into recent experience and research to help engineers, scientist and end users to understand the technical side of pumps, nozzles and accessories that have been developed for special applications. High pressure system design with formulas to calculate pressure drop, orifice size, cleaning paths, horsepower, torque and trouble shooting that may not be found in any other single book are included.



High pressure pumps and systems are used in shipbuilding, steel mills, automotive plants, research, petrochemical and water jetting industries. This book covers high pressure pumps used in water jetting, cryogenics, hot fluid pumping, chemical pumping and oil field services. The development of 10,000 psi to 40,000 psi pumps over the last 30 years is covered along with the auxiliary hardware needed to do surface preparation, high pressure cleaning and water jet cutting.



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ABOUT THE AUTHOR:


Mike Gracey is a Project Engineer with Weatherford International, Inc. using Kobe pumps and their line of industrial pumps to handle chemicals, water, oil products, hot fluids and cryogenics. In the past he worked as a licensed tankerman pumping petroleum products into barges around the Port Arthur and Beaumont. By 1973, Mike was working at the National Maritime Research Center (NMRC) in Galveston, Texas and became involved in testing special nozzles and methods for water blast cleaning, surface preparation and coatings. This led to the more specialized area of high-pressure pumps used for water jetting. Starting in 1976, He worked for high-pressure pump manufacturers and packagers in Texas, Maryland and Michigan to help design and build systems using the technology.

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