



Gender and Boyles Law of Gases

By Elizabeth Potter

Indiana University Press. Paperback. Condition: New. 232 pages. Gender and Boyles Law of Gases Elizabeth Potter Re-examines the assumptions and experimental evidence behind Boyles Law. Boyles Law, which describes the relation between the pressure and volume of a gas, was worked out by Robert Boyle in the mid-1600s. His experiments are still considered examples of good scientific work and continue to be studied along with their historical and intellectual contexts by philosophers, historians, and sociologists. Now there is controversy over whether Boyles work was based only on experimental evidence or whether it was influenced by the politics and religious controversies of the time, including especially class and gender politics. Elizabeth Potter argues that even good science is sometimes influenced by such issues, and she shows that the work leading to the Gas Law, while certainly based on physical evidence, was also shaped by class and gendered considerations. At issue were two descriptions of nature, each supporting radically different visions of class and gender arrangements. Boyles Law rested on mechanistic principles, but Potter shows us an alternative law based on hylozoic principles (the belief that all matter is animated), whose adherents challenged social stability and the status quo in 17th-century England. Elizabeth Potter,...



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