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Problem 4 - How much heat is needed to completely vaporize 100 kg of water from temperature  $T_1 = 20$  o. C if the pressure is maintained at a constant  $P = 200$  kPa absolute?  $T_v = 200$  kPa. 1. 2. Solution: The process is shown in the T-v diagram drawn on the left.

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Modern engineering thermodynamics / Robert T. Balmer p. cm. ISBN 978-0-12-374996-3 1. Thermodynamics. I. Title. TJ265.B196 2010 621.402'1-dc22 2010034092 British Library Cataloguing-in-Publication Data A catalogue record



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