$$\sqrt{4p^7q^2 + p^4q^2}$$

Which of the following expressions is equivalent to the expression above assuming p and q are positive?

(A) $2\sqrt{p^{11}q^4}$

(B) $2p^{\frac{7}{2}}q + p^2q$

(C) $2q\sqrt{p^7 + p^4}$

(D) $p^2q\sqrt{4p^3 + 1}$