

**36.67 Which of the following is not a reason for pumps to be placed in parallel?**

- A. To increase pressure
- B. To increase volume flow rate
- C. To improve efficiency
- D. To add redundancy

Examine each choice:

A: When pumps are run in parallel, the differential pressure across the pump set is equal, not greater. Therefore pumps would not be placed in parallel to increase pressure. They would need to be placed in *series* to add pressure.

B: Parallel pumps provide additional volume at the same pressure.

C: Parallel pumps may improve efficiency if using variable speed drives and programmed with the appropriate intent.

D: Parallel pumps may provide redundancy if a sufficient quantity are used.

**Answer A**