

DOUBLE-ACTING

Meaning: Double-acting refers to a mechanism, such as a piston or cylinder, that operates by applying force in both directions, typically during both the upward and downward strokes.

1. A double-acting piston can efficiently compress air in both the upward and downward strokes.
2. The engineer specified a double-acting cylinder for the new hydraulic system to enhance performance.
3. In a double-acting steam engine, steam is applied alternately to both sides of the piston.
4. The advantages of using a double-acting pump include increased flow rates and improved efficiency.
5. Maintenance of double-acting mechanisms requires careful attention to both sides of the operational cycle.

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