

Figura 1a Classificazione dei compressori

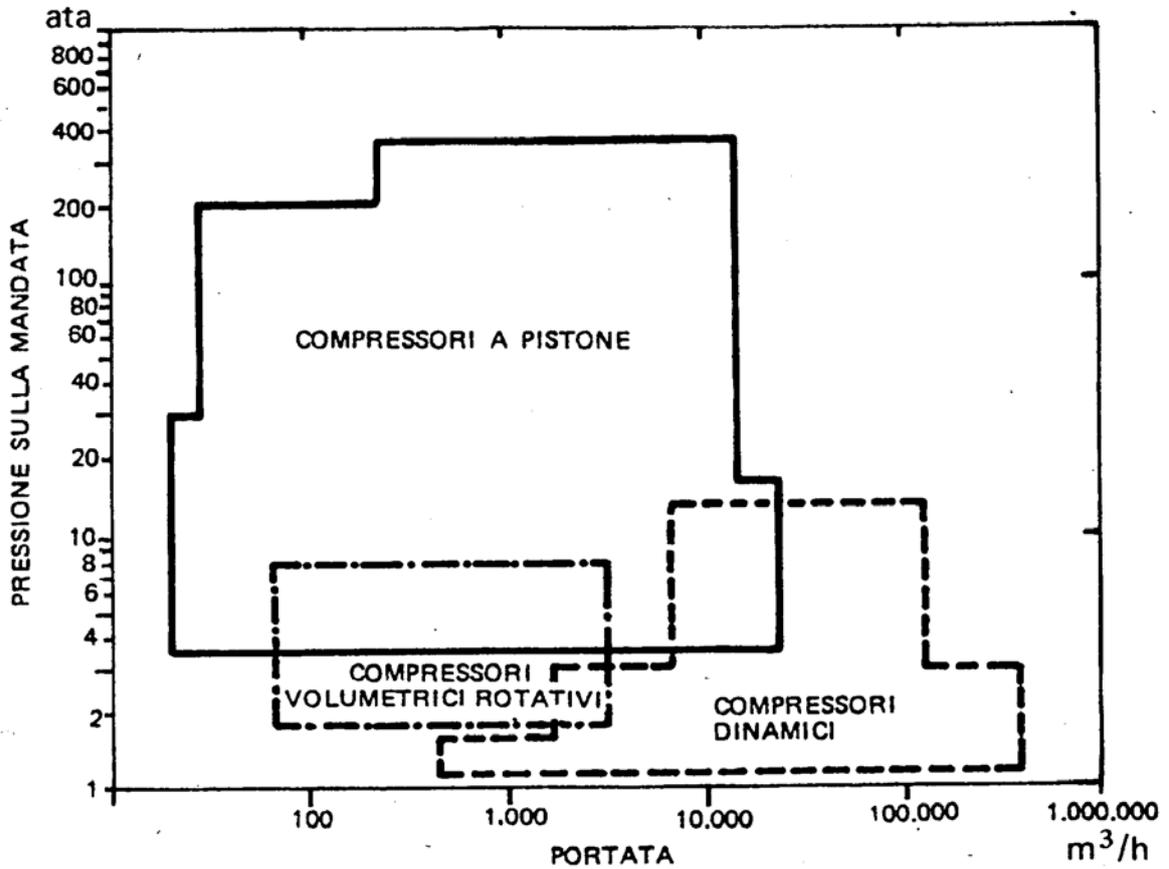
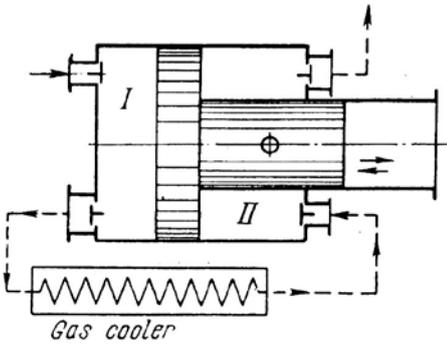
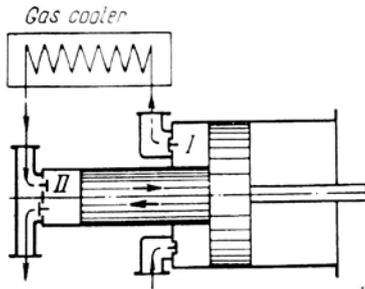


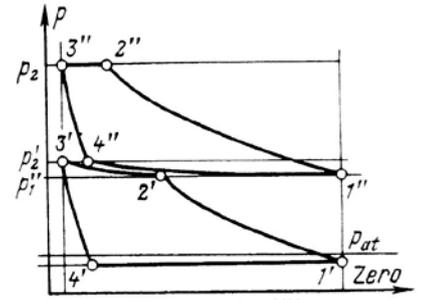
Figura 1b Campi operativi dei compressori



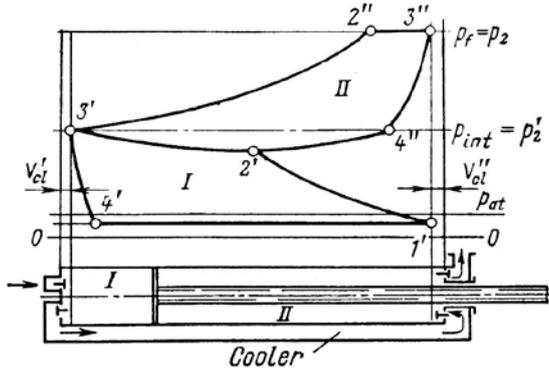
Two-stage uniflow differential-piston compressor



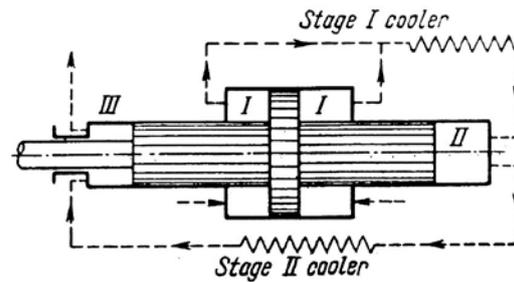
Two-stage single-acting differential-piston compressor



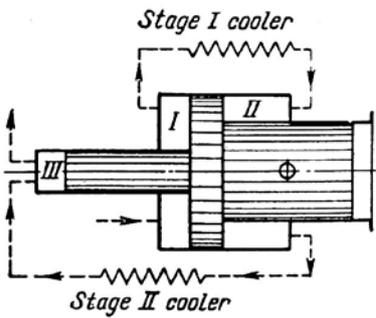
Two-stage single-acting differential-piston compressor. Theoretical indicator diagrams



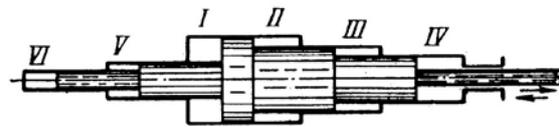
Two-stage uniflow compressor. Theoretical indicator diagrams



Three-stage differential-piston compressor split in the first stage



Three-stage differential-piston compressor



Six-stage differential-piston compressor. Schematic

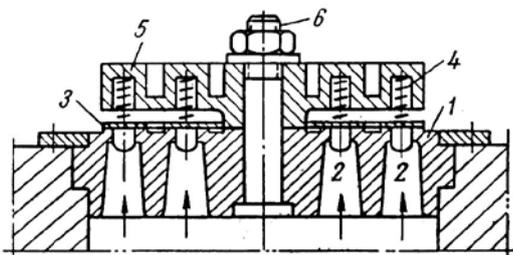
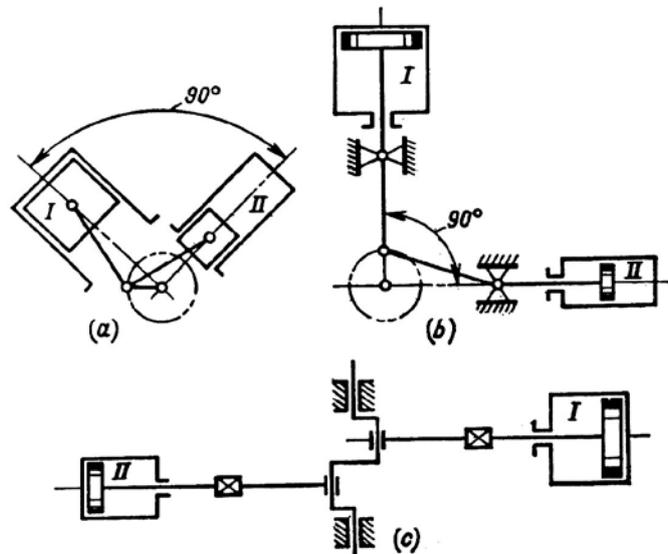


Plate valve with two annular slots



Two-stage compressor designs with pressure stages in individual cylinders

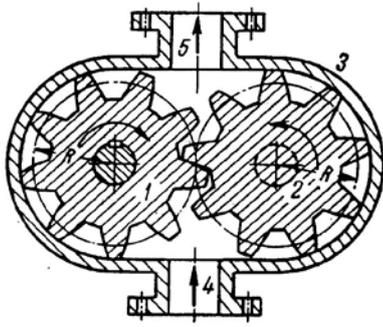


Fig. 9.1. Gear pump design. Schematic

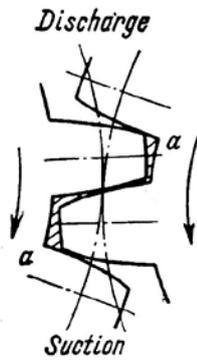


Fig. 9.2. Liquid backflow in gear pump

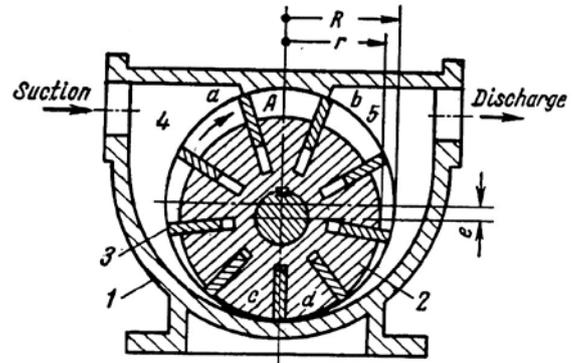


Fig. 9.3. Rigid rotor vane pump with external liquid supply

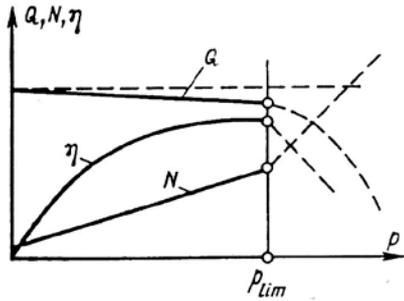


Fig. 9.10. Type two characteristic curves (for gear pump)

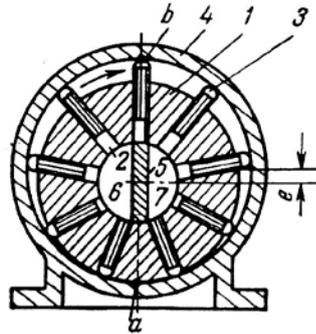


Fig. 9.6. Radial rotary piston pump

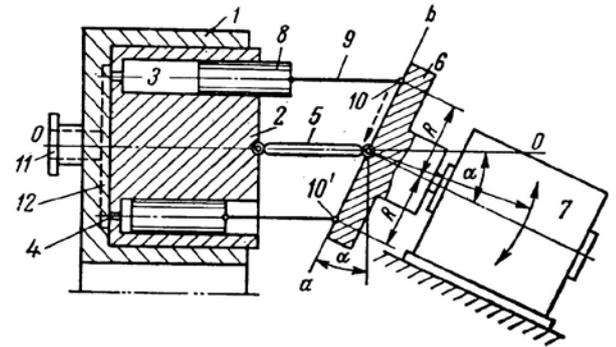


Fig. 9.5. Axial rotary piston pump. Schematic

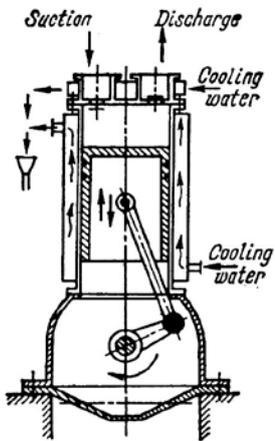


Fig. 10.1. Single-stage reciprocating compressor. Schematic

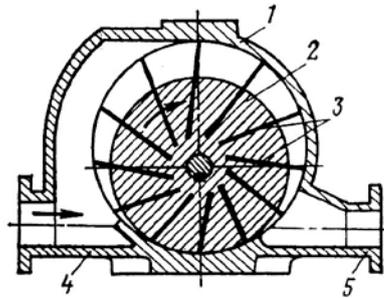


Fig. 10.2. Rotary (sliding-vane) compressor. Schematic
1—casing; 2—rotor; 3—vanes; 4—intake nozzle; 5—discharge nozzle

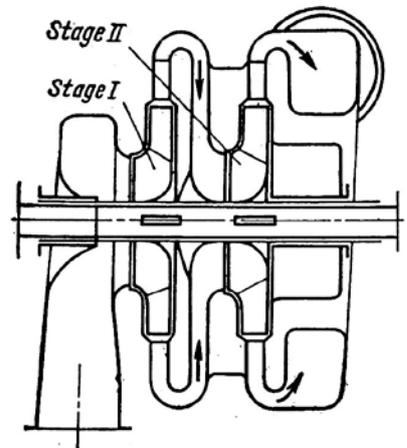


Fig. 10.3. Two-stage centrifugal compressor. Schematic

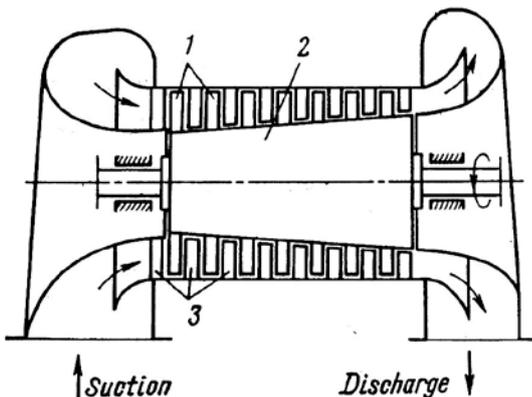


Fig. 10.4. Axial-flow compressor (seven-stage). Schematic
1—rotating blades; 2—compressor rotor; 3—stator blades

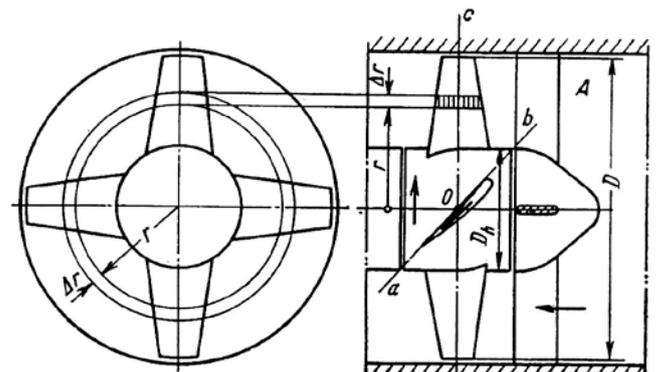


Fig. 6.1. Four-vane axial-flow machine. Schematic

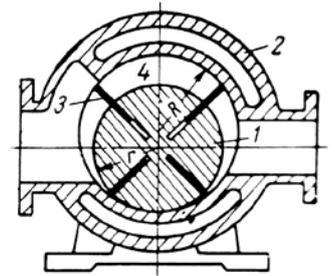
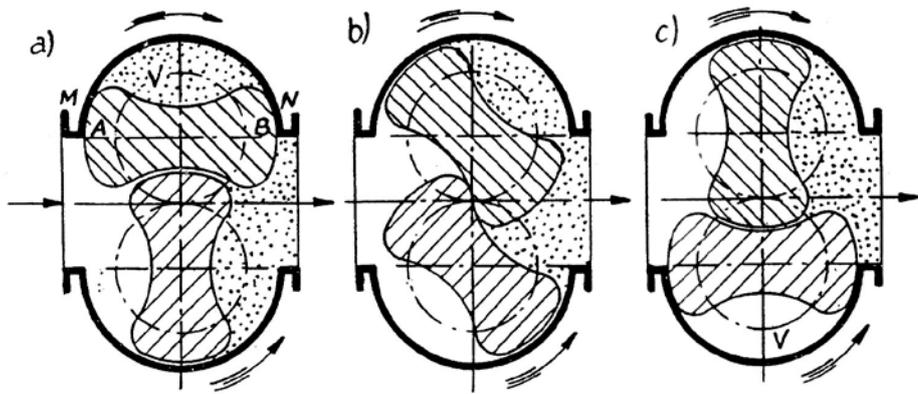
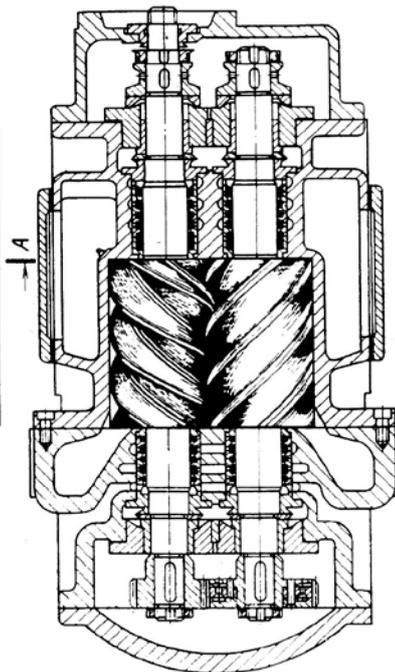
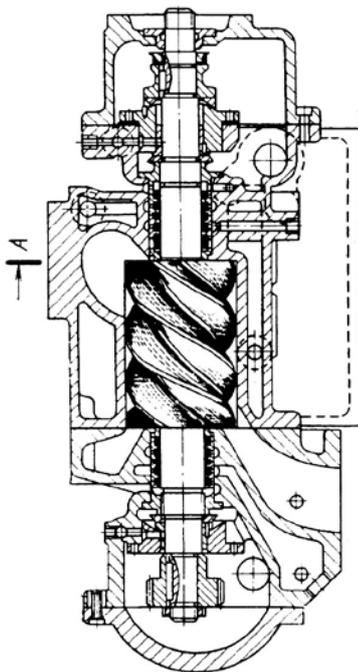
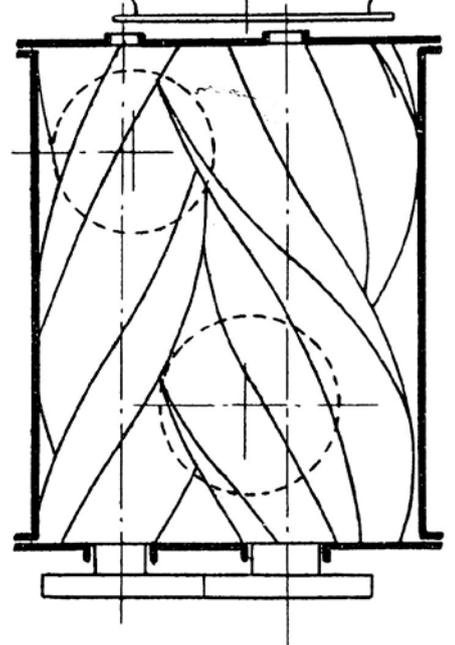
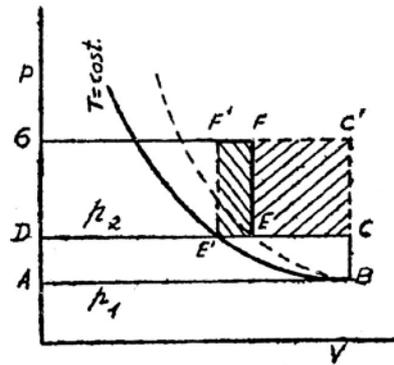
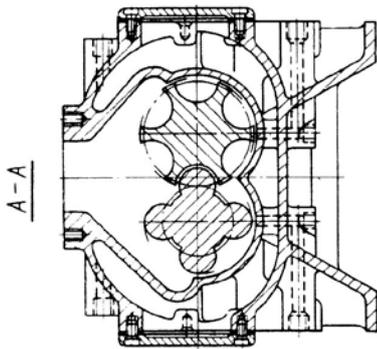
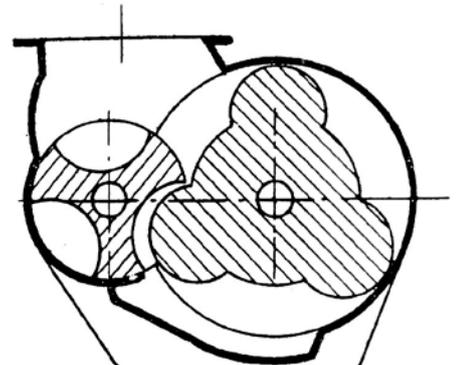
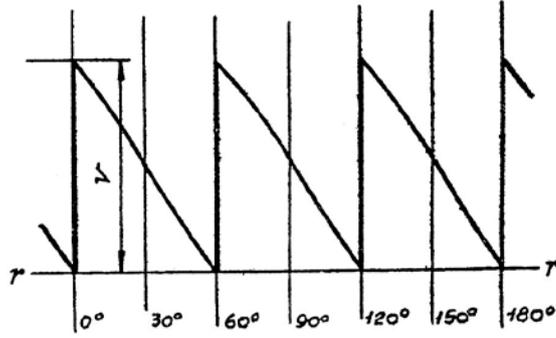
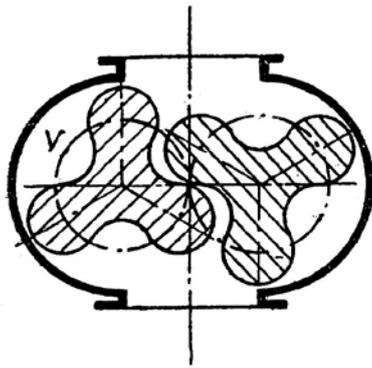


Fig. 14.1. Sliding-vane compressor. Basic design



Twin-rotor screw-type compressor

