

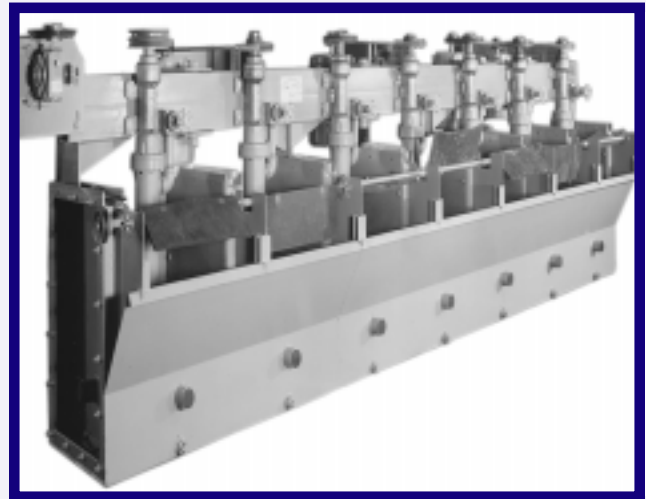


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## SUB AERATION FROTH FLOTATION CELLS PILOT PLANT TO SMALL COMMERCIAL SIZES



**No. 7 Flotation Machine, Cell to Cell Style  
Bank of 4 No. 7 Cells**



**No. 8 Flotation Machine, Open Flow Style,  
Bank of 7 No. 8. Cells**

### APPLICATIONS:

Sepor offers a complete line of pilot plant and small commercial size flotation cells. The units are used in the coal, mineral, chemical, environmental and process industries, where efficient dispersion of fine air or gas bubbles in slurries or liquids are required. Their primary use is found in the flotation of ores in the mining and mineral processing industries. These units are designed for continuous trouble free 24 hour per day operation and will handle fine and coarse abrasive slurries.

### ADVANTAGES:

**Mechanism:** Sub-Aeration mechanism induces and disperses air or gas in sufficient quantities for virtually all applications. External blower air can also be added, if desired. Gate valve assures positive control of air input to each cell. Lightweight, suspended type unit assembly. Enclosed ball bearing aluminum housing with dust cap. Machined standpipe assures accurate alignment. Impeller-diffuser clearances set at factory. Molded urethane impeller and diffuser assure long wearing life and permit close clearance setting for high aeration efficiency. They are easily replaceable whereas metal castings are virtually impossible to remove. Variable speed, dual and/or single cell v-belt drives are standard on No. 5, 7, and 8 cells. Froth paddle assembly is standard on all cells.

**Cells:** Three sizes of either "cell to cell" or "open flow" design are available. One to 16 cell units are available in each bank. Leakproof adjustable wier assure level control. Replaceable variable size sand reliefs, adjustable slurry recycle ports in each feed plate assure proper flow through feed pipes regardless of new feed rate, replaceable cell liners (for No. 8 and larger cell sizes) and front recycle ports with replaceable feed pipes are standard.