

Title (en)
RECIPROCATING PUMP

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Application
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Priority
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Abstract (en)
The reciprocating pump has a suction valve (92), a discharge valve (93) and a pressure control valve (11). These include a pressure receiving surface and are supported at a valve seat (91) which seats at least one of the valves (92,93). The pressure receiving surface is disposed on a discharge passage (8b). The valve (11) is provided in a cylinder head (8). A control spring (12) provided in a pressure regulator (13) biases the valve (11) toward the valve seat (91). The control valve (11) is operated as a relief, safety and unloading valve. This allows a reduction in the number of components and can therefore be readily assembled in a pump body to reduce its cost and weight.

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IPC 8 full level
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