

Title (en)
PNEUMATIC CYLINDER, IN PARTICULAR FOR ACTUATING FUME EXTRACTION VALVES IN FUME AND HEAT EXTRACTION PLANTS

Title (de)
DRUCKLUFTZYLINDER, INSBESONDERE ZUR BETÄTIGUNG VON RAUCHABZUGSKLAPPEN IN RAUCH- UND WÄRMEABZUGSANLAGEN

Title (fr)
CYLINDRE PNEUMATIQUE, SERVANT NOTAMMENT A ACTIONNER DES VOLETS DE CANAUX DE FUMÉES DANS DES INSTALLATIONS D'ÉVACUATION DE FUMÉES ET DE CHALEUR

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Application
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Abstract (en)
[origin: WO9741357A1] A pneumatic cylinder for actuating fume extraction valves in fume and heat extraction plants has a piston (2) that may be actuated from both sides with at least one working surface and that can be made to slide by pressurised air in a cylinder (1) with at least one working chamber (4), as well as an energy accumulator with regulating means. The regulating means can be controlled by control means to open or keep open the fume extraction valves. In order to obtain a compact pneumatic cylinder for a fume and heat extraction plant which is easy to install, a storage chamber in which air or pressurised air is stored as compressible pressure medium is provided as energy accumulator. The storage chamber is in communication with a compression surface (7) of the piston (2), at its side opposite to the working surface (7), so that pressure medium may flow between the storage chamber and the compression surface (7). The controller actuates a venting valve in communication with the working chamber (4) so that pressurised air may flow between the venting valve and the working chamber (4).

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IPC 8 full level
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