

Title (en)

PROPORTIONAL CONTROL VALVE FOR PNEUMATIC APPLICATIONS

Title (de)

PROPORTIONALREGELVENTIL FÜR PNEUMATISCHE ANWENDUNGEN

Title (fr)

SOUPAPE A REGULATION PROPORTIONNELLE POUR UTILISATIONS PNEUMATIQUES

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Application

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Abstract (en)

[origin: WO2010097215A1] The invention relates to a proportional control valve (3) for pneumatic applications, comprising a piezoelectrically controllable valve element (4), a sensor (8) for measuring an actual value of a controlled variable, an electrical interface (5a) for receiving a target signal (6) which represents the target value for the controlled variable, and an electronic regulating device (7), in which the electrical interface (5a) is a two-conductor interface for receiving a pulse-width modulated digital target signal (6), wherein the proportional control valve (3) is designed to obtain all electrical energy required for operating the proportional control valve (3) from the digital target signal (6).

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