

METHOD OF DIAGNOSTICS OF PNEUMATIC VALVES FOR LEAKS

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Abstract. *In paper the analysis of methods and means of diagnosing the pneumatic tightness of the slide valve steam control valves. The proposed device for pneumatic expressdigital the tightness of the slide valve pairs. The results of the experiment on the test device. The obtained dependence of the rate of drop of air pressure in the chamber of the valve from the overall gap in spools pair. Device for express-diagnostics which allows to check the technical condition spools pair of valve without removal from the machine. A technique is developed to diagnose the slide valve couples the pneumatic device for express diagnostics. Have defined the criteria for culling the slide valve steam speed pressure drop to control levels greater than 10 seconds. The constructed calibration curve as a tool for diagnosing the state spools pair according to the cumulative gap.*

Key words: *hydrodispenser, spools pair, compressed air diagnostics, integrity*