

# Frese OPTIMA Compact DN50-DN300

## Text for technical specifications

The length of the modulating stroke shall be independent of flow setting. The valve shall have full stroke modulating control at all flow settings and the stroke should not be restricted by the flow setting position.

The modulation and flow setting shall be one combined unit with a linear modulating motion and a rotational flow setting motion.

The valve characterization shall not be changed at different flow settings.

The combined flow setting and modulating control unit shall be pressure independent.

The Pressure Independent Control Valve shall contain a combined flow setting, differential pressure control and modulating bonnet assembly.

The valve housing shall be GJL-250 or GJS-400.

The valve shall have a spring made of stainless steel, a Diaphragm made of Reinforced EPDM and O-rings made of EPDM.

The valve shall have flange connections according to EN 1092.

The valve shall have a maximum operating differential pressure of 800 kPa (8 Bar).

The valve shall have an external adjustable analogue step less presetting scale from minimum to maximum flow.

P/T plugs shall be available.

The valve shall be capable of closing against a maximum differential pressure of 800 kPa (8 bar) with a leakage rate at maximum 0,01% of max rated volumetric flow and comply to EN1349 Class IV.

Pressure independent control valves must be tested in accordance with the BSRIA document BTS.1 'Test Method for Pressure Independent Control Valves' and manufacturers must be able to provide the test results upon request.