

Frese SIGMA Compact DN15-DN50

Text for technical specifications

The valve should be a dynamic balancing valve with the option of setting the flow without interference of operation.

The valve should include P/T plugs for the verification of differential pressure.

The valve should only be adjustable by means of a hand wheel to limit the maximum flow.

The flow setting control unit shall be pressure independent.

The dynamic balancing valve shall contain a combined flow setting and differential pressure control bonnet assembly.

The valve housing shall be DZR brass for DN15-32 and ductile iron for DN40-50.

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

The valve housing shall be PN25 rated and suitable for 120°C.

The valve shall have a thread according to ISO 228.

The valve shall have a maximum operating differential pressure of 400 kPa (4 Bar)

The valve shall have an external adjustable analogue stepless pre-setting scale from minimum to maximum flow.

The valve in isolated position shall have a leakage rate at maximum 0.01% of maximum rated volumetric flow and comply to EN1349 Class IV with a maximum differential pressure of 10 Bar.