



Frese ALPHA

Dynamic Balancing Valve

Frese ALPHA dynamic balancing valves are specifically designed to automatically balance heating and cooling systems. Frese ALPHA valve with integrated cartridge maintains a constant flow rate, even under fluctuating pressure conditions.

Traditional balancing using traditional valves in heating and cooling systems faces serious challenges, as variations in pressure lead to system imbalance.

However, dynamic flow control valves maintain balance within a system, by ensuring the flow rate does not exceed the limit specified. This saves energy and maintains a comfortable system temperature.

With valves and flange housings from DN15 to DN800, Frese ALPHA guarantees hydraulic balance in any size of system, from single heating units to entire district cooling installations.



www.frese.eu

Max diff. pressure: 600 kPa

Operating temperature:
-20° to +120°C

Dimensions: DN15 - DN50

Flow rate:
From 25 l/h to 11.355 l/h

Material: DZR brass

Static pressure: PN25

For cooling and heating applications

Frese

Innovative solutions from Frese balance global HVAC systems accurately and efficiently. From cooling systems in the Middle East to heating systems in Scandinavia, our products transform state of the art technology into everyday solutions.

KNOWLEDGE

QUALITY



Product info



Frese app

INNOVATION

MANUFACTURING
EXCELLENCE

CUSTOMER
FOCUS



Frese ALPHA for HVAC applications

For over 25 years, Frese has specialised in the design and manufacture of dynamic, pressure independent flow solutions for heating and cooling applications in a wide variety of market sectors including commercial office developments, hotels, educational establishments, sports complexes and residential buildings.



The Frese ALPHA dynamic balancing valve is the perfect solution for accurate and efficient distribution of flow in both heating and cooling systems. Typical applications include fan coil units, underfloor heating circuits, air handling units and plant equipment.

Manufactured from DZR and Ductile Iron, the Frese ALPHA range is available in sizes DN15 to DN800 suitable for flow rates from 0.007 l/s to 1,062 l/s.

The ALPHA dynamic balancing valve works independently therefore it can be installed in either single or multiple parallel distribution lines.

Furthermore, the independent nature of the valve provides total system flexibility with no re-commissioning required should the system be extended. In addition, it is also possible to use back flush processes with the ALPHA dynamic balancing valve if necessary.

Applications

- Fan Coil Units
- Underfloor Heating Systems
- Air Handling Units
- Plant Equipment

