



Frese SIGMA Compact

Dynamic Balancing Valve

The Frese SIGMA Compact is an externally adjustable dynamic balancing valve that provides simple, accurate and reliable flow limitation and isolation in heating and cooling systems

The Frese SIGMA Compact can be used instead of traditional double regulating valves and can be installed in both variable flow systems and constant flow systems. The Frese SIGMA Compact is used for the effective distribution of flow in various sections of the system.

The Frese SIGMA Compact can be set to the required position easily by using the hand wheel to limit the flow rate in certain parts of a system, eradicating overflows and the unnecessary wastage of energy.

The internal differential pressure control function of the Frese SIGMA Compact ensures that the set flow rate is limited irrespective of fluctuations in the differential pressure of the system.

Once the valve has been set to the desired flow rate, the hand wheel can be locked in position. From this locked position, the valve can be fully closed for isolation purposes and easily re-opened back to the required set point.



www.frese.eu

Max differential pressure:
400 kPa

Temperature range:
-10°C to +120°C

Dimensions:
DN15-DN50

Material:
DN15-32: DZR Brass
DN40-50: Ductile Iron

Flow range:
Up to 10350 l/h

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



INNOVATION

MANUFACTURING
EXCELLENCE

CUSTOMER
FOCUS



Frese SIGMA Compact 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 SIGMA Compact can be used in both heating and cooling systems for the effective distribution of flow in various sections of the system. The SIGMA Compact can be used instead of traditional double regulating valves and can be installed in both variable flow systems and constant flow systems.

Typical applications include fan coil units, chilled beams, radiator systems and underfloor heating circuits.

Manufactured from DZR and Ductile Iron, the Frese SIGMA Compact is available in sizes DN15 to DN50, controlling flow rates from 0.011 l/s (40 l/h) to 2.875 l/s (10,350 l/h).

Applications

- Fan Coil Units
- Chilled Beams
- Radiator Circuits
- Underfloor Heating Circuits
- Injection Circuits

