



AUTOMATIC BALANCING VALVE (FLOW CONTROL)

FRESE Alpha Automatic Balancing Valve is particularly designed and manufactured for automatic flow balancing of the heating and cooling circuits without any adjustment to the valve during commissioning. The balancing occurs by means of a flow rate cartridge, in which the differential pressure is held constant across an orifice plate. The result is a constant flow through the valve regardless of inlet pressure fluctuation.

FRESE ALPHA - CARTRIDGE

Material : Tin/Nickel plated brass, Stainless Steel
 AISI 304, AISI 316

O-ring : EPDM

Spring : Stainless Steel

Diaphragm : Reinforced EPDM

Pressure Range : 7 kPa to 600 kPa Differential Pressure

Flow Range : 0.015 to 967.39 litre/sec

Temperature : Up to 120°C

FRESE ALPHA (Threaded End Valve)

Size Range : DN 15 to DN 50 (1/2" to 2")

Housing : DZR, CW602N

O-ring : EPDM

Flow Range : 0.015 to 3.154 litre/sec

Working Pressure : 16 Bar standard, 25 Bar optional

Connection : Threaded End ISO 228

FRESE ALPHA (Wafer End Valve)

Size Range : DN 50 to DN 800 (2" to 32")

Housing : Ductile Iron DIN 1693 GGG-40

O-ring : EPDM

Flow Range : 1.061 to 1062.5 litre/sec

Working Pressure : 16 Bar standard, 25 Bar optional

Connection : Suitable for PN16 Flange Standard

PRESSURE INDEPENDENT BALANCING CONTROL VALVE

FRESE OPTIMA compact Pressure Independent Balancing & Control Valve (PIBCV) is used in heating and cooling system. It combines an externally adjustable automatic balancing valve, a differential pressure control valve and a full authority modulating control valve.

FRESE OPTIMA (Threaded End Valve)

Size Range : DN 10 to DN 50 (3/8" to 2")

Housing : DZR Brass (DN 10 to DN 32)
 Ductile Iron (DN 40 to DN 50)

O-Ring : EPDM

Flow Range : 0.008 to 3,194 liter/sec

Working Pressure : 25 Bar

Connection : Threaded End ISO 228

FRESE OPTIMA (Flanged End Valve)

Size Range : DN 50 to DN 300 (2" to 12")

Housing : Ductile Iron

O-Ring : EPDM

Flow Range : 0.689 to 166.67 liter/sec

Working Pressure : 16 Bar standard, 25 Bar optional

