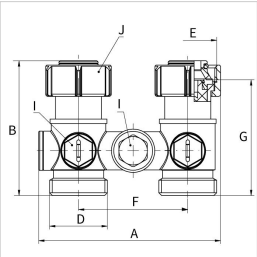
Simplex
Flow of Innovation

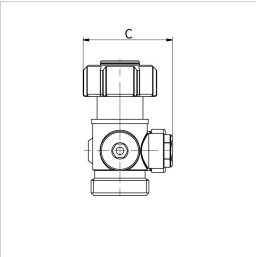
KE KELIT
CLIMATE CONTROL SYSTEMS

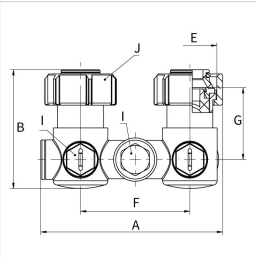
Product Data Sheet

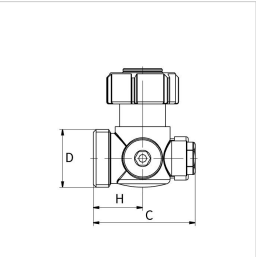
EXCLUSIV H-Module for One-pipe System with Cone Inserts

Connection valve with backflow protection for radiators with integrated valve, radiator supply ratio 30 - 100% (factory set to 35%), with ball shut-off, control head with a concealed stop, with Euro taper on the pipe side for connection with compression adapters, 50 mm axial distance. Supply and return line exchangeable by replacing the backflow protection.
With cone inserts for radiators with integrated valve with G 3/4" M (Euro taper) connection.







Type	Version	Connection		###	Article no.
		D (ET)	E		
HB 1-P EXCLUSIV D2/50	straight	G 3/4" M	G 3/4" F	5	F10005
HB 1-P EXCLUSIV E2/50	angle	G 3/4" M	G 3/4" F	5	F10007

Type	Dimensions [mm]							
	A	B	C	F	G	H	I (WS)	J (WS)
HB 1-P EXCLUSIV D2/50	85	62.0	41.0	50	53.4		13	30
HB 1-P EXCLUSIV E2/50	85	54.5	46.5	50	32.9	22.5	13	30

Advantages

- Incl. backflow protection to avoid unintentional gravity circulation
- Union nut on the radiator site with radial and axial clearance for fitting valves on radiators without tension
- Matching compression adapters and assembly accessories available!

Technical information

- Max. operating temperature: 110 °C permanent temperature, 130 °C short-term
- Max. operating pressure: 10 bar
- Operating medium: Heating water in accordance with VDI 2035

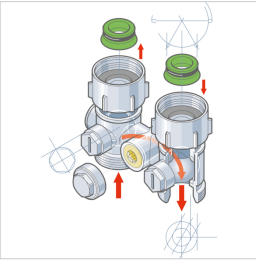
Materials

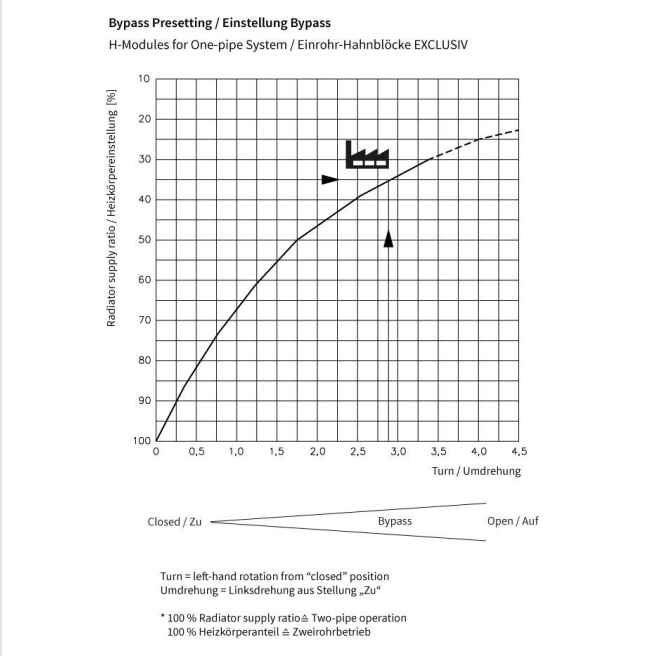
- Housing, Union nuts: Nickel-plated brass
- Cone inserts: Hydrolysis-resistant polyamide
- Ball: Hard chrome-plated brass
- Ball seal: PTFE
- Spindles: Brass

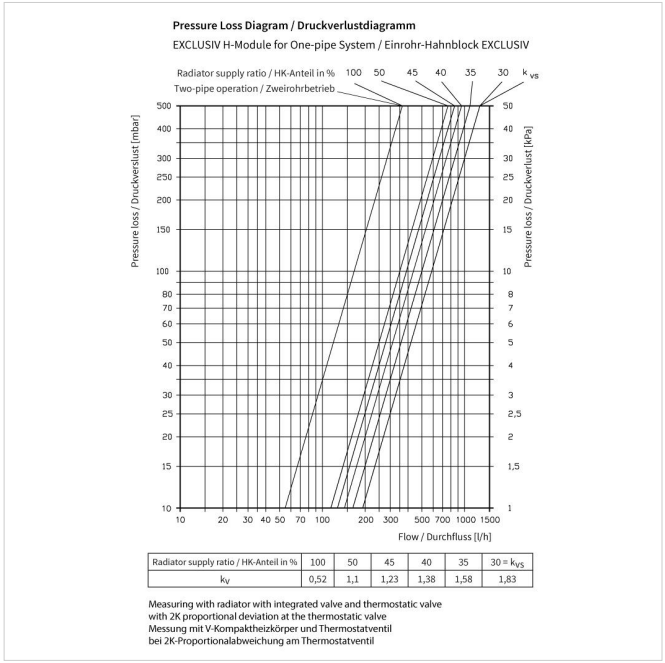
- Control cap: Nickel-plated zinc die-cast
- Seals: EPDM

Hard chrome-plated ball in a Teflon seat, spindle with double O-ring seal and concealed rotational stop.

The resistance inside the valve's bypass can be adjusted by using the throttle spindle. The amount of water flowing through the radiator is determined by increasing or decreasing the resistance inside the bypass, using the throttle spindle.







Radiator supply ratio / HK-Anteil in %	100	50	45	40	35	30 = k_{vs}
k_v	0,52	1,1	1,23	1,38	1,58	1,83

Measuring with radiator with integrated valve and thermostatic valve
with 2K proportional deviation at the thermostatic valve
Messung mit V-Kompaktheizkörper und Thermostatventil
bei 2K-Proportionalabweichung am Thermostatventil

Find more information online:

Manuals
Extra documentation

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