

# Heating Circuit Group **HKG**





The Heating Circuit Unit can be directly attached on to the fresh water system tank FWSS. Like the other components, it features the same impressive and clean design and fits perfectly onto the FWSS tank in combination with the FWS module. The HKG takes the hot water required for the heating circuits from the heating zone of the FWSS tank and the return is layered back into the according zone of the tank.

## Heating Circuit Group HKG

### Technical Data

Dimensions	HKG	HKGE
Width	400 mm	400 mm
Height	570 mm	570 mm
Depth	230 mm	260 mm
Insulation	EPP	
Weight	9 kg (1 unit)	9 kg
Operating pressure	max. 6 bar	max. 6 bar
Medium	hot water	
Heating water temperatur	max. 90°C	
Nominal width	DN 20	
Heat output ( $V_{max}$ 1m/s)	Kvs 4,0 m <sup>3</sup> /h	Kvs 4,5 m <sup>3</sup> /h
low temperatur	9 kW $\Delta t = 10$ K	
high temperatur	16 kW $\Delta t = 20$ K	
Power input	40-83 W	5-70 W
Sealing	flat-sealing, swivel-nut G1	
Connection tank-sided	G1 ET flat-sealing	
Connection heating-sided	Rp $\frac{3}{4}$ IT	

### Advantages:

#### Required space:

- smallest possible block construction
- no internal piping
- minimal external piping - HKG directly attached to the FWSS tank

#### Comfort:

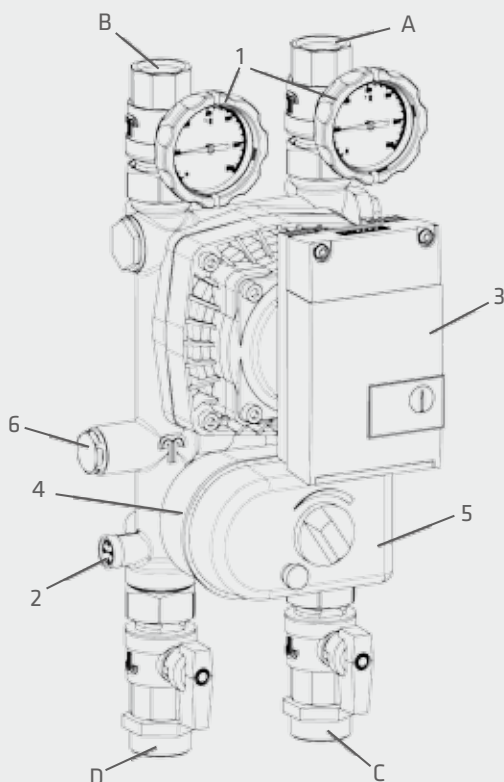
- plug-in delivery
- easy installation on FWSS tank, wall fastening feasible
- maintenance without draining of tank and heating
- impressive and clean design with hidden piping
- ball valves with flow and return scales

#### Technology:

- adjustable constant return flow admixing
- integrated gravitational brake to avoid unintended circulation
- integrated sensor socket
- heat insulated design
- universally fits various heating controls

### Function:

The HKG is used to connect high- and/or low-temperature heating circuits to the FWSS system tank. It boosts on adjustable constant return flow admixing and is suitable for loading pumps with frontal connections. An EPP insulation and optimized buffer connections are responsible for minimal heat losses..



- 1 Ball valve
- 2 Gravitational brake
- 3 Circulation pump
- 4 3-way-mixer
- 5 Actuator
- 6 Bypass choke

#### Connections:

- A Heating circuit side - flow
- B Heating circuit side - return
- C Tank side - flow
- D Tank side -return