



Low temperature zone module K33 with thermostatic 3-way mixing valve and adjustable bypass 0-50 %

1" / DN 25

For low temperature heating zones controlled by 3-way thermostatic mixing

USE in closed loop design. Low Temperature Zone Modules K33 equipped with adjustable thermostatic actuator. K33 is designed to provide constant supply temperatures to the radiant system. Depending on the geographic location of the installation, periodic adjustments to the temperature may or may not be necessary. Rotating the dial of thermostatic head to a higher number will provide for hotter temperatures. The designer of radiant system must ensure the range of temperatures provided

by the control is suitable for the installation. The K 33 can handle radiant load demands of up to 34 MBH's at 20 °C / 36 °F differential. Mixing valve closes on temperature rise. Multiple K33 modules can be used to separate the distinctive temperature requirements between manifolds. No special piping, just 2 connections and your installation is complete.

Your advantages:

Connections 1" NPT female.

Large ball valve handles

Easy handling, visible closing position.

Design insulation with optimized function made of durable elastic EPP, **100% insulation of the fittings**, ventilation openings to cool the pumps.

Check valve in return pipe

prevents any noise when electronically controlled pumps are used, can be opened, 200 mm water column, spring-operated, thus suitable for horizontal and overhead installation.

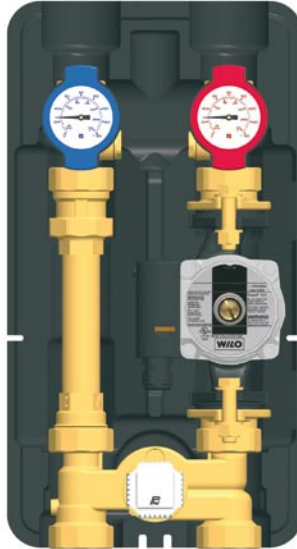
Supply line on the right or on the left

Supply and return line can be changed infilled. **For changing the supply line a mixing valve conversion set is necessary.**

Check valve

integrated in the mixing valve, prevents unwanted circulation.

All water-carrying parts are made of brass.



Thermostat - adjustable in the range of 20-60 °C / 68 °F - 140 °F

When the adjusted temperature is exceeded a switch activates and switches off the pump, for example.

All-metal temperature gauges

can be pulled off, integrated in the ball valve with an immersion sleeve.

Fully assembled with flat gaskets.

PAW heating circulation pumps - flanged 2-bolt

already installed, integrated in the insulation, pressure tested, serial number, perfectly designed system, pump characteristics.

3-way mixing valve with bypass 0 - 50 % and thermostat control

completely made of brass, set by the thermostat and the sensor, the setting is done manually, the bypass can be set at the front.

Flat sealing 1 1/2" male inlet connections

Incl. 1 1/2" union nut for the installation on PAW modular distribution manifolds. Using PAW mounting equipment the heating circuit can be installed with wall brackets.

TECHNICAL DATA Zone Module K 33		
Dimension		DN 25 - 1"
Materials	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP
Technical data	Max. pressure	8 bar / 116 psi
	Max. temperature	110 °C / 230 °F
	CV value	4.4
Dimensions	Zone module inlet	1 1/2" male
	Zone module outlet	1" NPT F
	Center distance	125 mm / 4 21/32"
	Length	382 mm / 15 1/32"
	Width insulation	250 mm / 9 27/32"
	Height insulation	462 mm / 18 3/16"
Recommended application	at $\Delta T = 10 \text{ K} / 18 \text{ °F}$ at 860 l/h / 3.8 USgpm	up to 10 kW/34 MBH

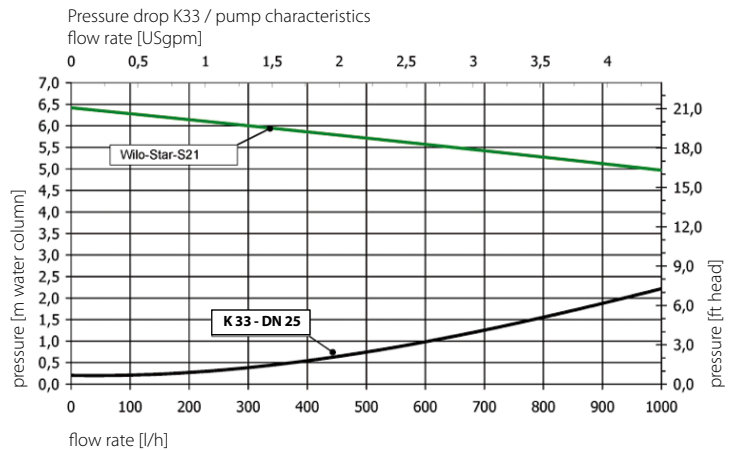


Illustration	Type	Information	PAW pump	Item #
	K33 1" DN 25	Advantages PAW pump: <ul style="list-style-type: none"> completely preassembled precisely integrated in the insulation pressure tested serial number 3-speed pump 	Wilo Star S 21 FX	4736071.WI21 NA
			delivery without pump	4736071 NA