



## Low temperature zone module K32 with 3-way mixing valve

1 1/4" / DN 32

For heating zones controlled by motorized mixing with reset control

**USE in closed loop design.** Low Temperature Zone Modules K32 are replacing conventional injection mixing systems. In conjunction with electronic reset control and direct drive actuator, modulates a 3-way valve, diverts and mixes radiant return water with hot water from the boiler. The constant speed system circulator delivers the required water temperature to the radiant loop manifolds.

### Sizing and piping:

The K32 can handle radiant load demands of up to 174 MBH. Your current method of zoning the radiant loops (manifolds, zone valves, etc.) does not change with the installation of the K32. Multiple K32 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 1/4" 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.

**Free access** to the pump head by simply pulling off the cover.

**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 on site, the mixing valve can be changed without difficulties.



**All water-carrying parts are made of brass.**

**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**

completely made of brass, characteristic curve prevents variation in temperature, flow pipe can be shut off, thus the pump can be replaced or serviced without draining the system.

**Flat sealing 2" male connections**

Incl. 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 K32		
<b>Dimension</b>		<b>DN 32 - 1 1/4"</b>
<b>Materials</b>	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP
<b>Technical data</b>	Max. pressure	6 bar / 87 psi
	Max. temperature	110 °C / 230 °F
	CV value	6.8
<b>Dimensions</b>	Zone module inlet	2" male
	Zone module outlet	1 1/4" NPT F
	Center distance	125 mm / 4 21/32" "
	Length	435 mm / 17 1/8" "
	Width insulation	250 mm / 9 27/32" "
	Height insulation	462 mm / 18 3/16" "
<b>Recommended application</b>	at $\Delta T = 20 \text{ K} / 36 \text{ ds}^\circ\text{F}$ at 2200 l/h / 9.7 USgpm	<b>up to 51 kW / 174 MBH</b>

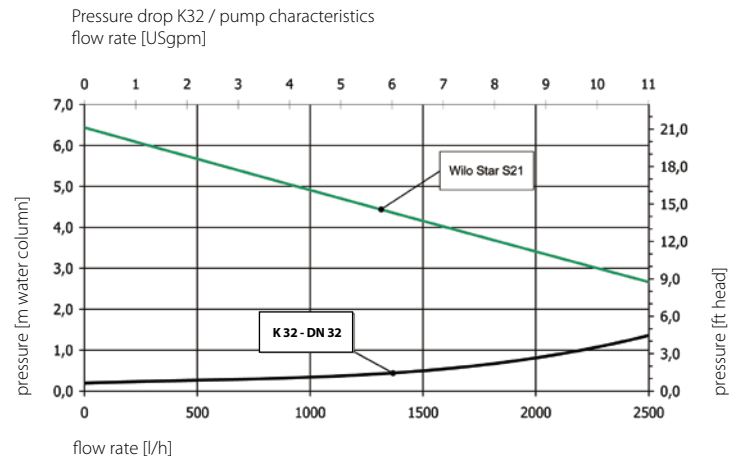


Illustration	Type	Information	PAW pump	Item #
	<b>K32 1 1/4\" DN 32</b>	<b>Advantages PAW pump:</b> <ul style="list-style-type: none"> <li>completely preassembled</li> <li>precisely integrated in the insulation</li> <li>pressure tested</li> <li>serial number</li> <li>3-speed pump</li> </ul>	<b>Wilo Star S 21 FX</b>  delivery without pump	<b>473905.WI21 NA</b>  <b>473905 NA</b>