



## High temperature zone module K31 unmixed

1" / DN 25

For high temperature zone or boiler primary loop

**USE High Temperature Zone Modules K31 in closed loop design to supply high temperature zones, such as indirect water heaters, baseboards or fan coil units, or as modules for injection mixing. Supply and return lines are 1" NPT. Up to 9 high temp modules could be installed on one manifold. Under certain conditions, such as with the use of a condensing boiler, K31 can be connected directly to the heat source, provided the following conditions apply:**

- Proper flow is maintained through the heat source.
- Heat source can be set to desired temperature setting (no mixing required).
- No minimum return fluid temperature is required for the heat source.
- All necessary conditions and piping practices, as outlined by the heat source manufacturer, are properly maintained.

### 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 on the right = standard**

The supply and return line can be changed infilled.

**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**

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

**Pump can be shut off completely**

can be replaced or serviced without draining the system.

**Flat sealing 1 1/2" male inlet connections**

Incl. 1 1/2" union nut for the installation on PAW modular distribution manifolds. Individual installations with wall brackets are possible by using the PAW mounting equipment.

TECHNICAL DATA Zone Module K31		
<b>Dimension</b>		<b>DN 25 - 1"</b>
<b>Materials</b>	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP
<b>Technical data</b>	Max. pressure	8 bar / 116 psi
	Max. temperature	110 °C / 230 °F
	CV value	6.3
<b>Dimensions</b>	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"
<b>Recommended application</b>	at ΔT = 20 K / 36 °F at 2150 l/h / 9.5 USgpm	<b>up to 50 kW / 170 MBH</b>

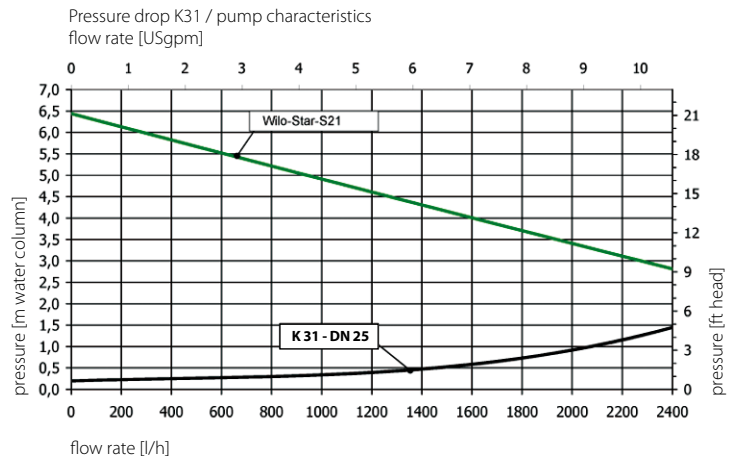


Illustration	Type	Information	PAW pump	Item #
	<b>K31 1" DN 25</b>	<b>Advantages PAW pump:</b> <ul style="list-style-type: none"> <li>• completely preassembled</li> <li>• precisely integrated in the insulation</li> <li>• pressure tested</li> <li>• serial number</li> <li>• 3-speed pump</li> </ul>	<b>Wilo Star S 21 FX</b>  delivery without pump	<b>473601.WI21 NA</b>  <b>473601 NA</b>