



## Low temperature zone module K34; residential series with 3-way mixing valve with bypass 0 - 50%

3/4" / DN 20

For high flow heating zones controlled by motorized mixing with reset control

**USE in closed loop design.** Low Temperature Zone Modules K34 is replacing conventional injection mixing system. 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. Adjustable bypass diverts up to 50% of additional return water to the system supply and lowers supply temperature to ensure a specific low supply water temperature is maintained and no thermal shock

will occur in the radiant slab.

**Sizing and Piping:** The K34 can handle radiant load demands of up to 71,000 BTU's. Your current method of zoning the radiant loops (manifolds, zone valves, etc.) does not change with the installation of the K32. Multiple K34 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:

**Full port ball valve.**

**Connection 3/4" female.**

**Large ball valve handles**

for easy grip and visible closing position.

**Function-optimized insulation design**

made of durable elastic EPP, **100% insulation of the fittings**, and air duct to cool the pumps.

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

**Flow Check valve in return pipe is noise free,**

low pressure drop, manual opener for faster line drain service, spring-actuated - suited for horizontal, vertical or flow-down assembly.

**Supply on the right = standard**

If required, the supply and return connections can be simply changed on site.



**All components (except the circulator) are manufactured from brass.**

**Full metal temperature gauges**

can be pulled off, brass thermowell is integrated in the ball valve.

**Pump can be replaced or serviced**

without draining the system.

**3-way mixing valve with integrated adjustable bypass**

fully brass, ideal linear characteristic (prevents swinging of the regulation). The supply line can be isolated, no draining necessary during pump service.

**Fully assembled with flat sealing union connections at most joints,**

including 1" connection nut for the installation on PAW-distribution manifold.

For **stand alone** assembly, use the conversion kit with wall bracket from the PAW-assembly accessories.

**The insulation of distribution manifold**

is integrated in the insulation of zone module.

### TECHNICAL DATA Zone Module K34

Dimension	DN 20 - 3/4"	
<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	3,5
<b>Dimensions</b>	Supply / Return line to manifold (flat sealing)	1" male
	Supply / Return line to heating zone	3/4" female
	Pipe-centre distance	3 1/2" / 90 mm
	Length	255 mm / 10"
	Width insulation	180 mm / 7 1/16"
	Height insulation	385 mm / 15 1/8"
	<b>Recommended application</b>	<b>Floating action temperature control up to 72 MBH / 21 kW</b> at ΔT = 36 °F / 20°K

Pressure drop K34 / pump characteristics  
 flow rate [USgpm]

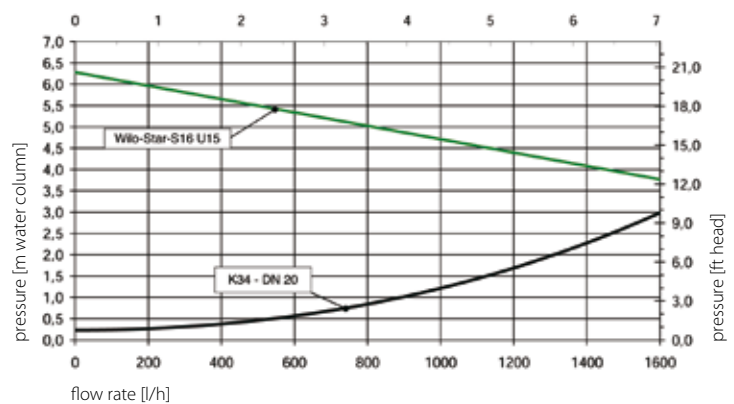


Illustration	Type	Information	PAW pump	Item #
	<b>K34</b> <b>3/4"</b> <b>DN 20</b>	<b>Advantages PAW pump:</b> <ul style="list-style-type: none"> <li>• completely preassembled</li> <li>• precisely integrated in the insulation</li> <li>• pressure tested</li> <li>• serial number</li> <li>• 3-speed pump</li> </ul>	<b>Wilo Star S 16 U-15 - 130</b>	<b>32062 WI16 NA</b>