



## Low temperature zone module K33; residential series

3/4" / DN 20

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 sui-

table for the installation. The K33 can handle radiant load demands of up to 35,000 BTU's at 20°C/35°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:

**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.**

**Strap-on high, limit, adjustable supply temperature 20 °C - 60 °C.**

**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**

fully brass, regulated by the thermostatic head with remote sensor on supply pipe, manual temperature adjustment.

**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 K33

Dimension	DN 20 - 3/4"	
Materials	Fittings	Brass
	Gaskets	EPDM / NBR
	Insulation	EPP
Technical data	Max. pressure	8 bar / 116 psi
	Max. temperature	110 °C / 230 °F
	CV value	1.6
Dimensions	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"
Recommended application	<b>Floating action temperature control up to 35 MBH / 10 kW</b> at ΔT = 18 °F / 10 °C	

Pressure drop K33 / pump characteristics  
 flow rate [USgpm]

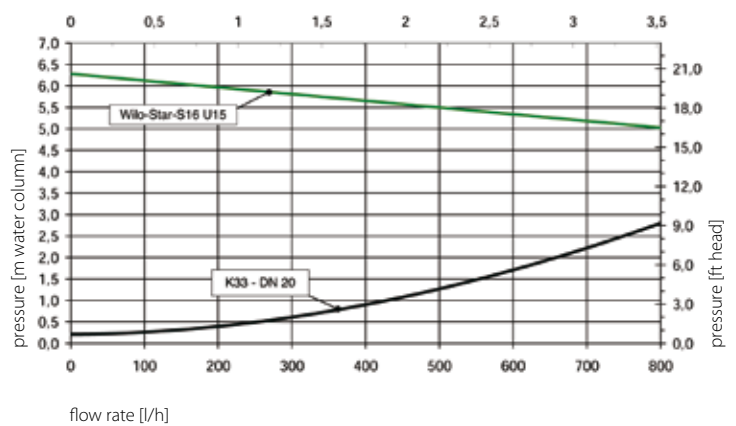


Illustration	Type	Information	PAW pump	Item #
	<b>K33 3/4" DN 20</b>	<b>Advantages PAW pump:</b> <ul style="list-style-type: none"> <li>• completely preassembled</li> <li>• precisely integrated in the insulation</li> <li>• pressure tested</li> <li>• serial number</li> <li>• 3-speed pump</li> </ul>	<b>Wilo Star S 16 U-15 - 130</b>	<b>32072 WI16 NA</b>