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Low temperature zone module K38 with 4-way mixing valve — 1 ¼" - DN 32

For heating mode with minimum temperature set by a mixing valve

USE in closed loop design. Low Temperature Zone Modules K38 are replacing conventional injection mixing system. In conjunction with an electronic reset control and a direct drive actuator, the K34 modulates a 4-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 K38 can handle radiant load demands of up to 177 MBH. Your current method of zoning the radiant loops (manifolds, zone valves, etc.) does not change with the installation of the K38. Multiple K38 modules can be used to separate the distinctive temperature requirements between manifolds. No special piping, just 2 connections and your installation is complete.

Features:

1 ¼" NPT female connections.

Large ball valve handles
Easy handling, visible closing position.

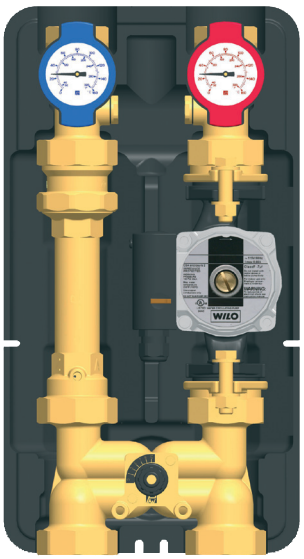
Design insulation with optimized function made of durable elastic EPP, **100% insulation of the fittings**, ventilation openings to cool the pumps.

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, manual opener, 200 mm water column, spring-operated, thus suitable for horizontal and overhead installation.

Supply on the right = standard
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
already installed, integrated in the insulation, pressure tested, serial numbered.

4-way mixing valve
completely made of brass, suitable for operation with a boiler circuit pump when installing a single heating circuit, work on primary circuit is possible by closed supply line (a change in the boiler circuit with closed supply line is possible). **When installing a single distribution manifold the return line of the mixing valve must be equipped with a check valve to prevent unwanted circulation.**

Flat sealing 2" male connections
incl. 2" union nut for the installation on PAW modular distribution manifolds. Individual installations with wall brackets are possible by using PAW mounting equipment.

TECHNICAL DATA Zone Module K38		
Dimension		**1 ¼" - DN 32**
Materials	Fittings	Brass
	Gaskets	EPDM/NBR
	Insulation	EPP
Technical data	Max. pressure	87 psi/6 bar
	Max. temperature	230 °F/110 °C
	CV value	7.3
Dimensions	Zone module inlet	2" male
	Zone module outlet	1 ¼" 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 $^{3}/_{16}$"
Recommended application	at ΔT = 36 °F/20 K at 9.9 USgpm/2240 l/h	**up to 177 MBH/52 kW**

Pressure drop K38/pump characteristics
flow rate [USgpm]

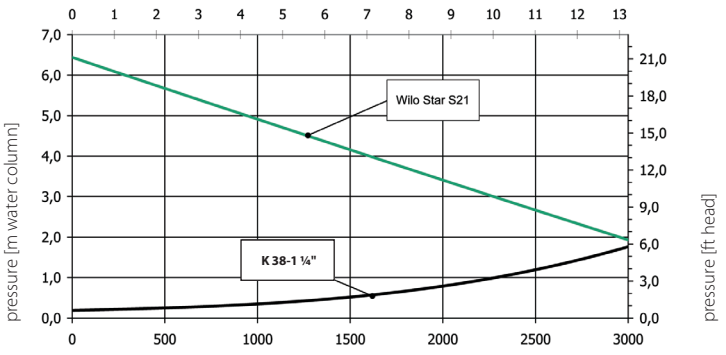


Illustration	Type	Information	PAW pump	Item #
	**K38 1 ¼"**	**Advantages PAW pump:** • completely preassembled • precisely integrated in the insulation • pressure tested • serial number • 3-speed pump	**Wilo Star S 21 FX**	**473908.WI21 NA**

05/2011