



UNDERFLOOR HEATING  
**ECOMIX RF**  
FIXED POINT MIXING UNIT

CT3523.0\_00  
EN  
May 2017



**PRODUCTION RANGE**

Code	Connections on system side	Circulator	Thermostatic mixer		
			Setting range	Precision	Max. inlet temperature
3523.06.51	G 1" M UNI-EN-ISO 228	Yonos Para RS 15/7 130	30 ÷ 60°C	± 2°C	90°C

**DESCRIPTION**

*Kilma-Ecomix RF* is a mixing and distribution unit for low temperature circuits consisting of a circulation pump with variable flow and a thermostatic mixer.

**L.T. (low temperature) secondary circuit:**

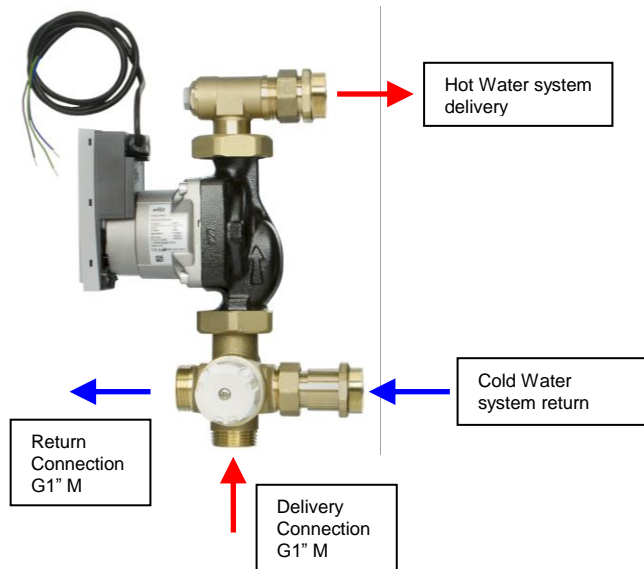
Set-up for the connection of brass compact manifolds, or multi-way (from 2 to 13 ways) polymer compact manifolds.  
Threaded connections for manifolds: G1" M.

For the full range of applicable manifolds, see sect. "Main Accessories".

**USE:**

It is particularly suitable for the power supply of low temperature circuits for radiant floor heating and cooling systems.

**HYDRAULIC CONNECTION DIAGRAM:**



## TECHNICAL FEATURES – THERMOSTATIC MIXER

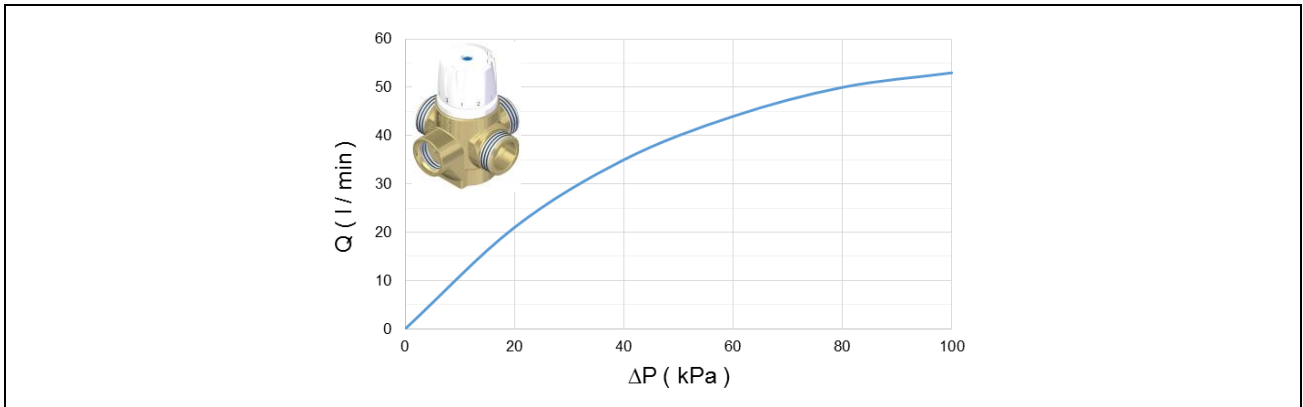
- Working fluid: Water
- Max. dynamic P: 5 bar (500 kPa)
- Max. static P: 10 bar (1000 kPa)
- Max. ratio between the inlet pressures: 2:1
- Max inlet temperature: 90°C
- Setting range: 30÷60°C
- Precision: ± 2°C
- Minimum ΔT between inputs and output: 10°C

## TEMPERATURE ADJUSTMENT – THERMOSTATIC MIXER

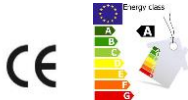
Adjust by turning the numbered knob so the symbol corresponding to the desired temperature is positioned in the window of reference. (Approximate values) Sensitive ± 2°C

Symbol	Min.	1	2	3	4	5	Max.
Value °C	27	32	38	44	50	57	63

## FLUID DYNAMIC FEATURES – THERMOSTATIC MIXER

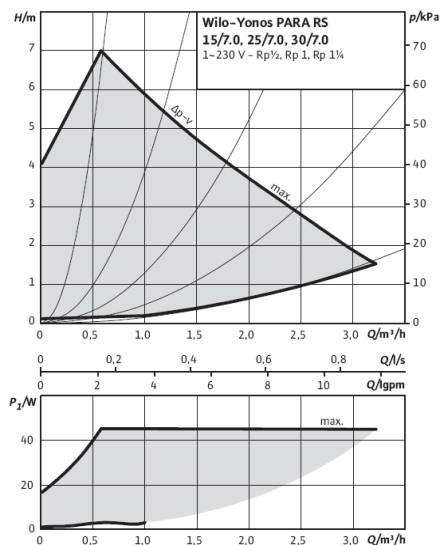


### Yonos Para Circulator RS 15/7 130 (code 1614.06.02)

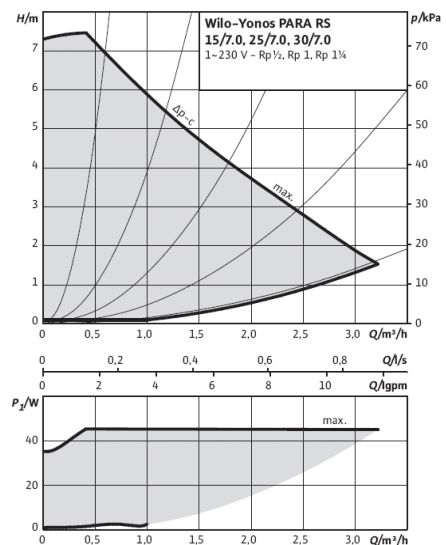


Description	Value		
Power supply	230 V 50/60Hz		
	I [A]	P <sub>1</sub> max [W]	Speed [rpm]
Maximum current I Maximum power absorbed P <sub>1</sub> max	0.03 - 0.44	3 - 45	800 - 4660
Efficiency degree	EEI < 0.21		
Insulation class	Class F		
Protection rating	IPX4D		
Nominal pump pressure	PN6		

Δp-v (variable)




Δp-c (constant)



Fluid dynamic features

## MAIN ACCESSORIES

### Containment cases

Accessory description	Dimensions (L x H x D) mm	Code
 <p><i>Containment and inspection metal case</i> for Kilma BT control units. Recessed assembly.</p>	700 x 680÷815 x 110÷150 *	<b>3544.005</b>
	800 x 680÷815 x 110÷150 *	<b>3545.005</b>
	900 x 680÷815 x 110÷150 *	<b>3546.005</b>
	1000 x 680÷815 x 110÷150 *	<b>3547.005</b>
	1100 x 680÷815 x 110÷150 *	<b>3619.005</b>
	1200 x 680÷815 x 110÷150 *	<b>4305.005</b>

\* In order to allow positioning the module in the case, the case depth must be adjusted by acting on the frame, bringing the minimum depth to 130 mm.

### Distribution manifolds kit

Code	Description			
<b>BRASS MANIFOLDS KIT</b>	Brass compact manifold kit with thermostatic valves and graduated flow meters. Consisting of two vent valves or one vent valve and one By-pass valve.			
	Flow meters	System loading/unloading units	By-pass Valve	
20XX.06.10	X	X	-	
20XX.06.60	X	-	X	

Code	Description			
<b>POLYMER MANIFOLDS KIT</b>	Polymer compact manifold kit with thermostatic valves and graduated flow meters. Consisting of two vent valves or one vent valve and one By-pass valve.			
	Flow meters	System loading/unloading units	By-pass valve	
14XX.06.40	X	X	-	
14XX.06.70	X	-	X	

#### COMPOSITION WITH VENT VALVES – NUMBER OF L.T. MANIFOLD WAYS

2	3	4	5	6	7	8	9	10	11	12	13	
L=700 Code <b>3544.005</b>			L=800 Code <b>3545.005</b>			L=900 Code <b>3546.005</b>		L=1000 Code <b>3547.005</b>		L=1100 Code <b>3619.005</b>		L=1200 Code <b>4305.005</b>

#### COMPOSITION WITH BY-PASS – NUMBER OF L.T. MANIFOLD WAYS

2	3	4	5	6	7	8	9	10	11	12	13
L=700 Code <b>3544.005</b>	L=800 Code <b>3545.005</b>		L=900 Code <b>3546.005</b>		L=1000 Code <b>3547.005</b>		L=1100 Code <b>3619.005</b>		L=1200 Code <b>4305.005</b>		CASE NOT AVAIL.



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