



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:

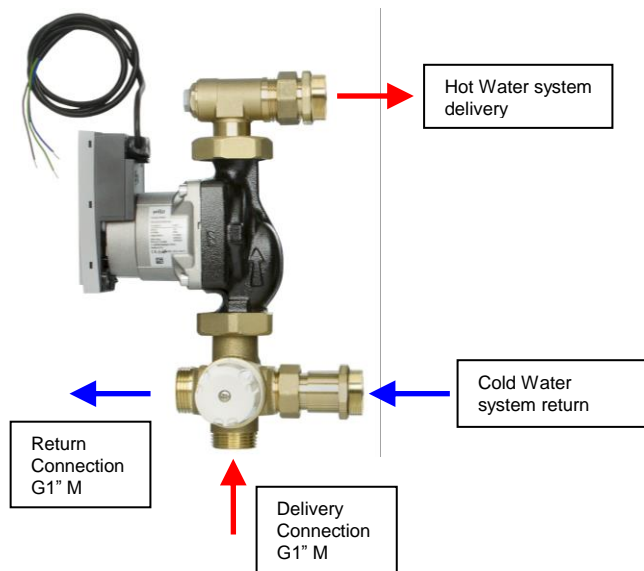
Set-up for the connection of brass compact manifolds, or multi-way (from 2 to 13 ways) polymer compact manifolds. Threaded connections for manifolds: G1" M.

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

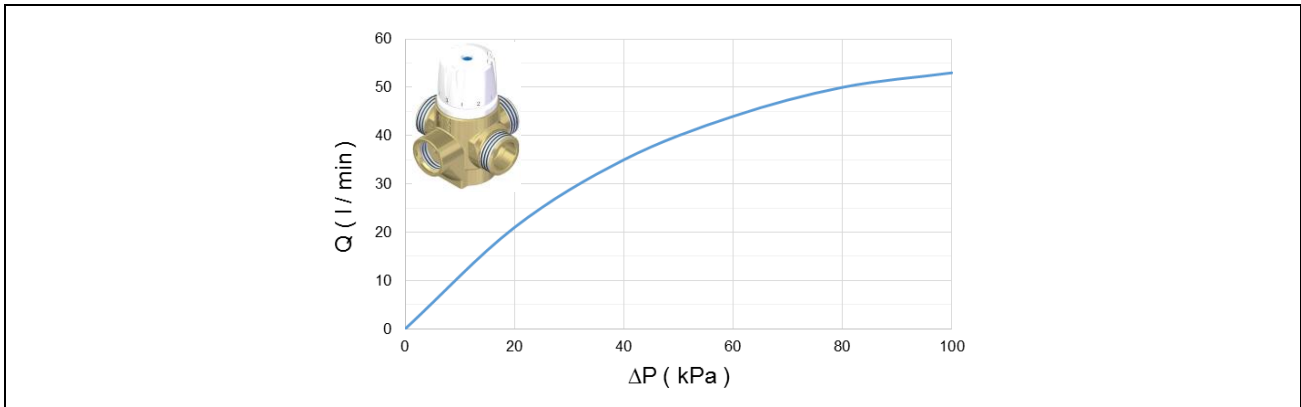
- Working fluid: Water
- Max. dynamic P: 5 bar (500 kPa)
- Max. static P: 10 bar (1000 kPa)
- Max. ratio between the inlet pressures: 2:1
- Max inlet temperature: 90°C
- Setting range: 30÷60°C
- Precision: ± 2°C
- Minimum ΔT between inputs and output: 10°C

TEMPERATURE ADJUSTMENT – THERMOSTATIC MIXER

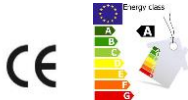
Adjust by turning the numbered knob so the symbol corresponding to the desired temperature is positioned in the window of reference. (Approximate values) Sensitive ± 2°C

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

FLUID DYNAMIC FEATURES – THERMOSTATIC MIXER

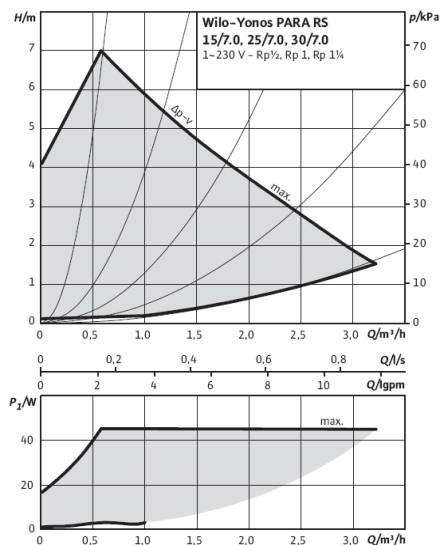


Yonos Para Circulator RS 15/7 130 (code 1614.06.02)

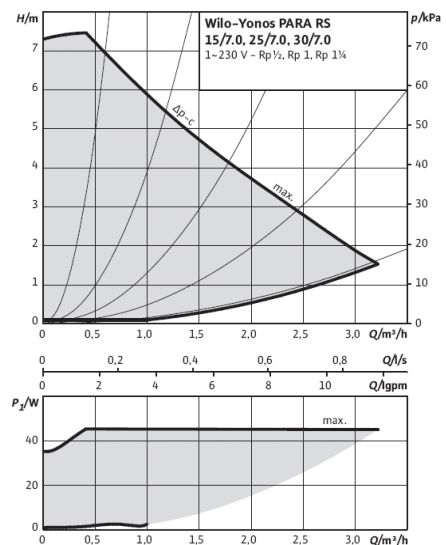


Description	Value		
Power supply	230 V 50/60Hz		
Maximum current I	I [A]	P ₁ max [W]	Speed [rpm]
Maximum power absorbed P ₁ max	0.03 - 0.44	3 - 45	800 - 4660
Efficiency degree	EEI < 0.21		
Insulation class	Class F		
Protection rating	IPX4D		
Nominal pump pressure	PN6		

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 *	3544.005
	800 x 680÷815 x 110÷150 *	3545.005
	900 x 680÷815 x 110÷150 *	3546.005
	1000 x 680÷815 x 110÷150 *	3547.005
	1100 x 680÷815 x 110÷150 *	3619.005
	1200 x 680÷815 x 110÷150 *	4305.005

* 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			
BRASS MANIFOLDS KIT	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			
POLYMER MANIFOLDS KIT	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 3544.005			L=800 Code 3545.005			L=900 Code 3546.005		L=1000 Code 3547.005		L=1100 Code 3619.005	L=1200 Code 4305.005

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 3544.005	L=800 Code 3545.005		L=900 Code 3546.005		L=1000 Code 3547.005		L=1100 Code 3619.005		L=1200 Code 4305.005		CASE NOT AVAIL.



RBM spa reserves the right to improve and change the described products and relative technical data at any moment and without prior notice: always refer to the instructions attached with the supplied components; this sheet is an aid, should the instructions be extremely schematic. Our technical department is always at your disposal for any doubt, problem or clarification.


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