



HT Series
Heat Interface Unit

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Rhico HT series

Indirect Heat Interface Units

HT30/45/65



DESCRIPTION

The Rhico **HT Indirect Heat Interface Unit** is a heating only module, offering total system separation between the primary and secondary heating circuit. The **HT range** of HIU's is an efficient way of utilising the advantages of district heating and central plant systems, whilst offering individual utility billing via either a credit or pre-payment facility. The compact, service-friendly design is fully insulated and ideal for both commercial or residential buildings.

Remote billing options are available upon request.

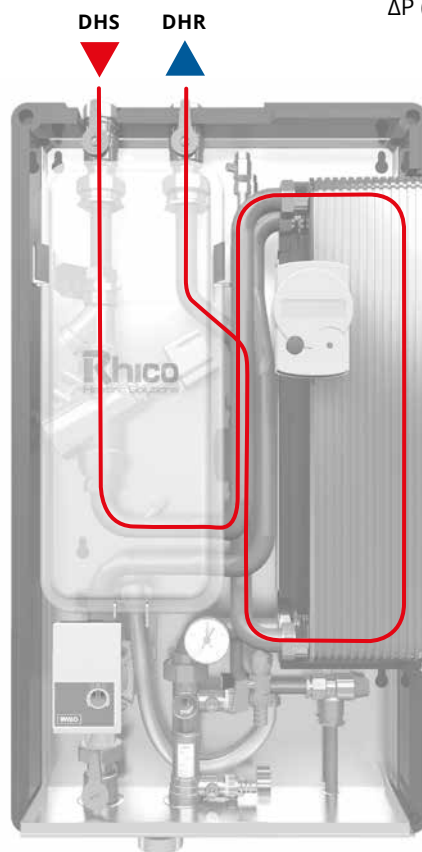
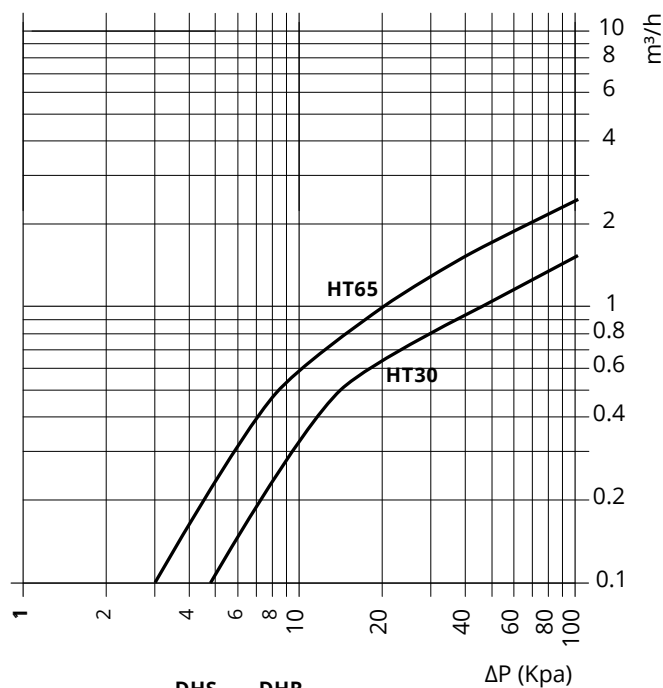


Illustrated with front cover and all insulation removed

Dimensions and Connections



Pressure Loss Primary Circuit - Pump Characteristics



CONNECTIONS

- DHS** District heating supply G 1" (int. thread)
- DHR** District heating return G 1" (int. thread)
- HR** Heating return G 1" (int. thread)
- HS** Heating supply G 1" (int. thread)

HT30/45 Indirect Heat Interface Unit Heating only

HT30/45



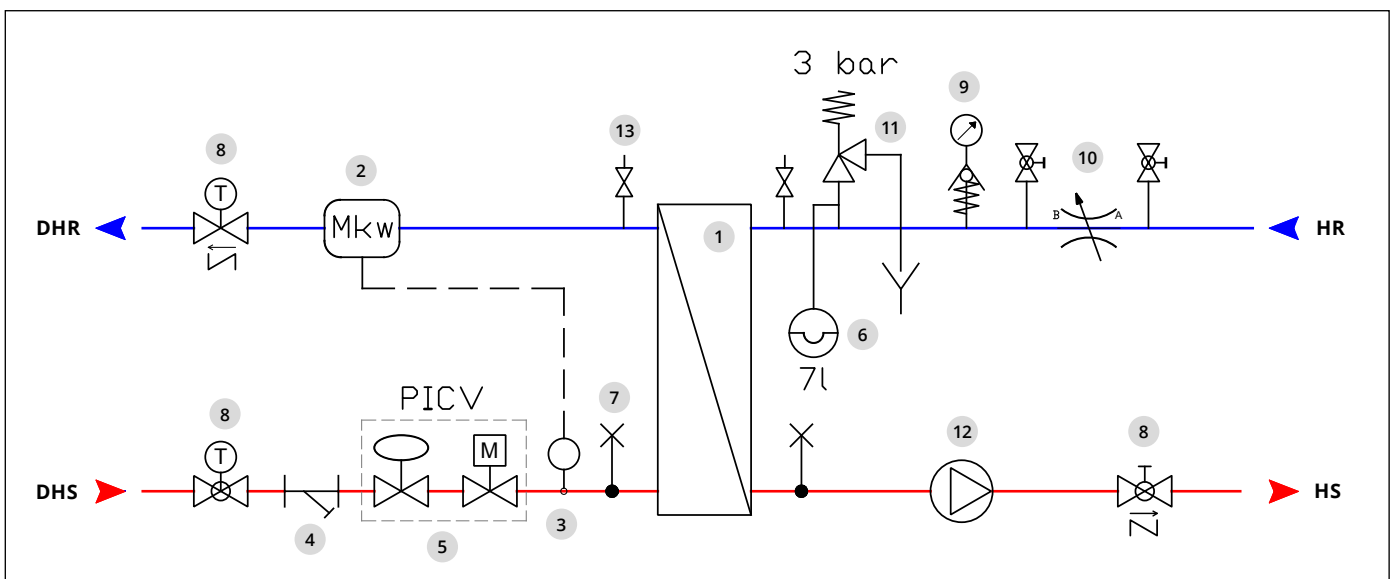
GENERAL DATA

Max pressure:	10 bar
Max supply temperature:	85°C
Min temperature:	5°C
Weight:	HT30 24kg, HT45 25kg
Electrical supply:	230 V
Dimensions with cover (H x W x D):	835 x 475 x 226mm

Hydraulic Circuit

COMPONENTS

1. Insulated brazed plate heat exchanger
2. Ultrasonic energy meter G 1" - 130mm
3. Sensor pocket for heat meter
4. Filter
5. Pressure independent control balancing valve with 230V electric actuator
6. Expansion tank
7. Manual air vent valve
8. Ball valve
9. Manometer
10. Flow regulator with load and washing system
11. 3 bar safety valve
12. High efficiency Wilo pump
13. Loading system



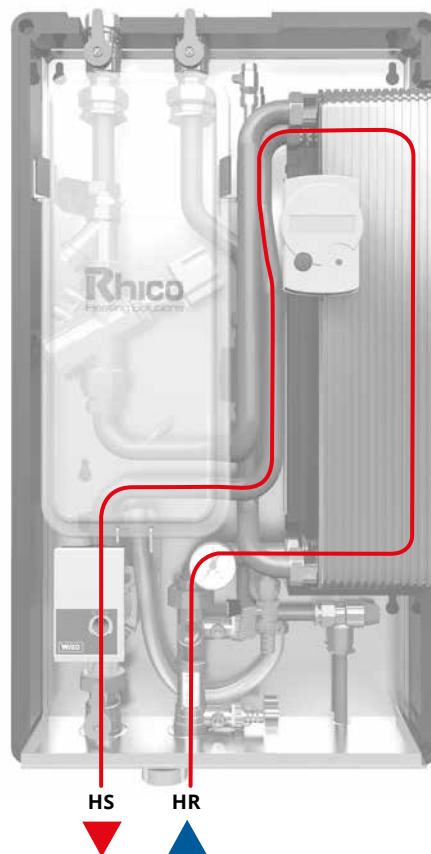
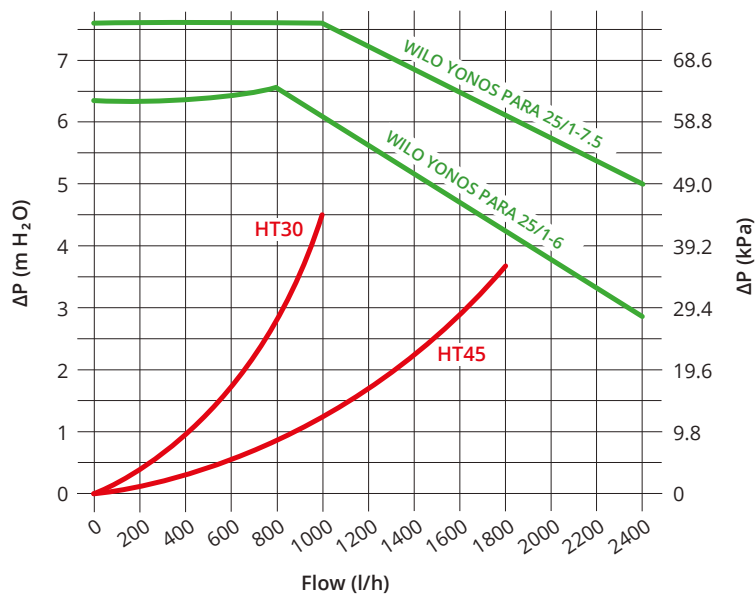
HT30/45

Indirect Heat Interface Unit
Heating only

HT30/45

Pressure Loss and Pump Curves

PRESSURE LOSS HEATING CIRCUIT



HT30/45 - Technical Data

Model	Heating capacity	Supply flow primary	Return flow primary	Flow rate primary	Pressure loss primary	Heating capacity	Supply flow secondary	Flow rate secondary	Pressure loss secondary	Exchange surface	Pump Wilo YONOS PARA	Residual head
	kW	°C	°C	l/h	KPa	kW	°C	°C	l/h	m ²	mca	KPa
HT30	30	80	60	1350	60	30	70	50	1350	0.82	6	28
HT45	45	80	60	1980	60	45	70	50	1900	1.13	7.5	27.5

PICV DN25 Pre-setting

Preset	0.50	0.75	1.0	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	
Flow rate	l/h	292	435	577	719	863	1007	1152	1296	1437	1573	1700	1815	1913	1990	2039
	l/s	0.081	0.121	0.160	0.200	0.240	0.280	0.320	0.360	0.399	0.437	0.472	0.504	0.531	0.553	0.566
	GPM	1.28	1.91	2.54	3.17	3.80	4.43	5.07	5.70	6.33	6.92	7.48	7.99	8.42	8.76	8.98

HT65 Indirect Heat Interface Unit

Heating only

HT65



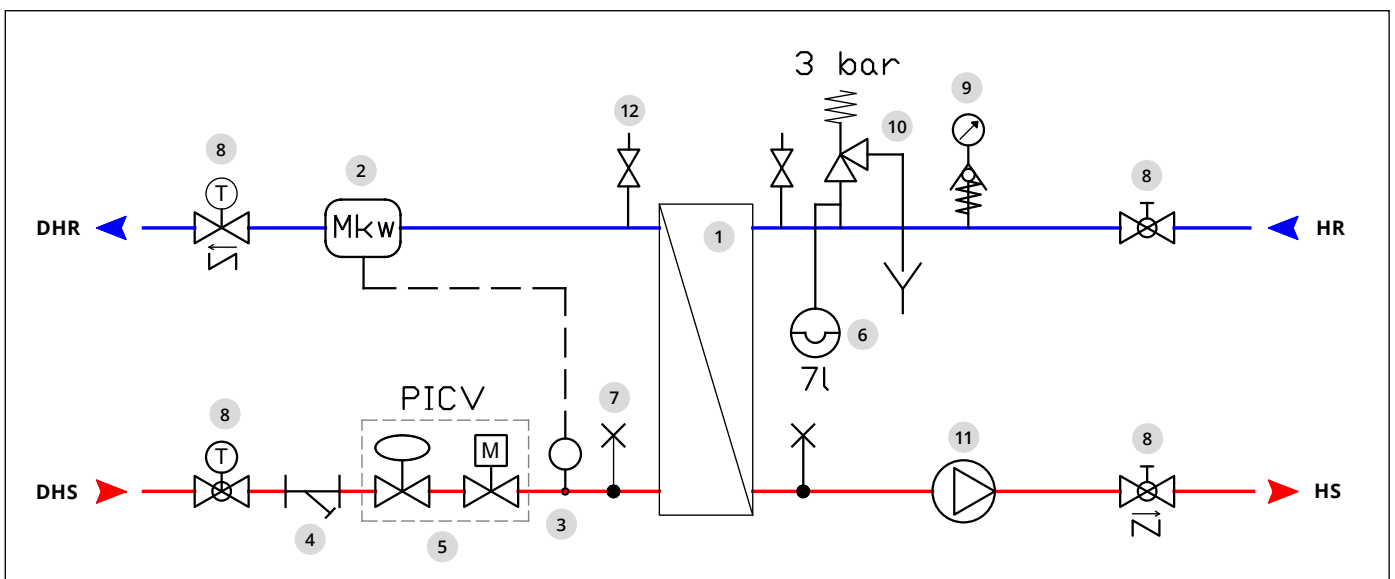
GENERAL DATA

Max pressure:	10 bar
Max supply temperature:	85°C
Min temperature:	5°C
Weight:	27kg
Electrical supply:	230 V
Dimensions with cover (H x W x D):	835 x 475 x 226mm

Hydraulic Circuit

COMPONENTS

1. Insulated brazed plate heat exchanger
2. Ultrasonic energy meter G 1" - 130mm
3. Sensor pocket for heat meter
4. Filter
5. Pressure independent control balancing valve with 230V electric actuator
6. Expansion tank
7. Manual air vent valve
8. Ball valve
9. Manometer
10. 3 bar safety valve
11. High efficiency Wilo pump
12. Loading system



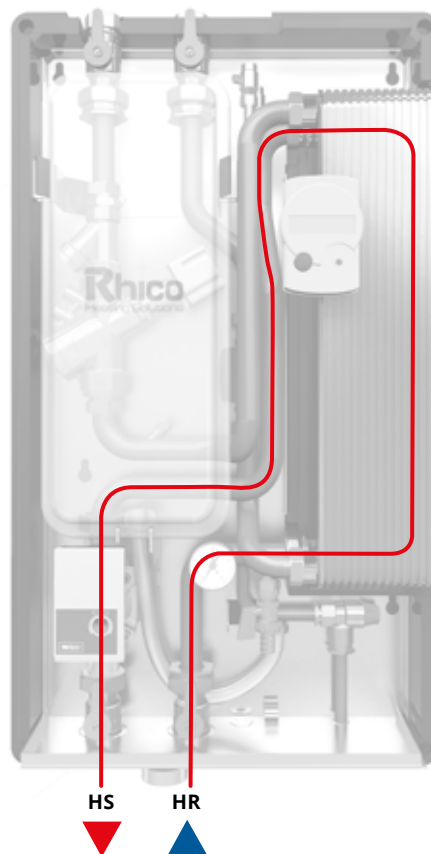
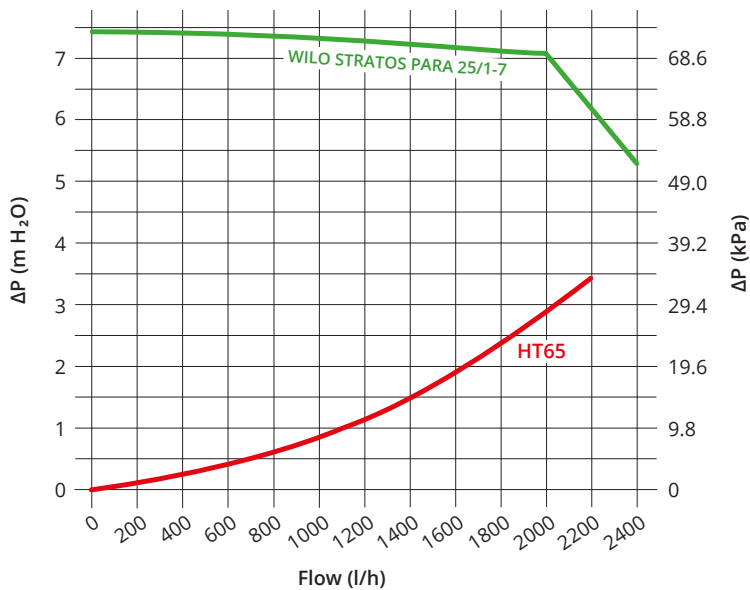
HT65 Indirect Heat Interface Unit

Heating only

HT65

Pressure Loss and Pump Curves

PRESSURE LOSS HEATING CIRCUIT



HT65 - Technical Data

Model	Heating capacity	Supply flow primary	Return flow primary	Flow rate primary	Pressure loss primary	Heating capacity	Supply flow secondary	Flow rate secondary	Pressure loss secondary	Exchange surface	Pump Wilo YONOS PARA	Residual head
	kW	°C	°C	l/h	KPa	kW	°C	°C	l/h	m ²	mca	KPa
HT65	65	80	60	2850	55	65	70	50	2850	1.76	7	29

PICV DN32 Pre-setting

Preset		0.50	0.75	1.0	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
Flow rate	l/h	465	692	9221	1150	1377	1600	1816	2024	2221	2405	2574	2726	2858	2969	3056
	l/s	0.127	0.192	0.256	0.319	0.382	0.444	0.504	0.562	0.617	0.668	0.715	0.757	0.749	0.825	0.849
	GPM	2.05	3.05	4.05	5.06	6.06	7.04	7.99	8.91	9.78	10.59	11.33	12.00	12.58	13.07	13.45



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