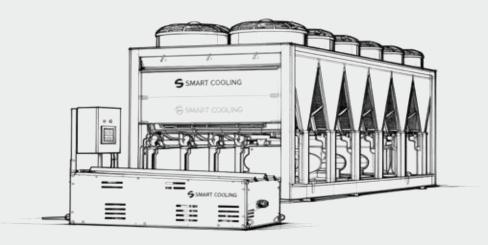
31 July 2019

TEST REPORT

045



SMART COOLING™ PRO10 SYSTEM

Double Tree by Hilton

Test Participants:

Project name: DUBAI AL BARSHA HOTEL Location: Dubai, UAE

Carrier UTS Engineer: Iftikhar Amin

Hilton al Barsha Hotel Engineer: **Jethi Thoma** Gerab Energy Systems Engineer: **Ali Soufan**

Swiss Integrated Energy Technologies: Luca Gallarate

Table of Contents

Introduction:	3
Main components:	4
Measuring instruments:	5
5-day testing measurement outcomes	7
Test Nr.1:	8
Five-day electricity consumption comparison:	8
Test Nr.2:	13
30-day overview chart:	14
ROI summary	15
Annex	16

Introduction:

Type of structure: Multistory hotel building.

Cooling units: Air cooled water chiller Carrier 30XA 1002 (2 units).

Cooling capacity per manufacturer: 1000 kW

Electricity consumption per manufacturer: 344 kW

Chiller booster: Smart Cooling™ PRO 10, adiabatic technology with condenser protec-

tion.

Chillers were retrofitted with the intelligent adiabatic $Smart\ Cooling^{\mathsf{TM}}$ system to reduce electricity consumption and increase COP.

System description (full original text preserved):

- Combines adiabatic evaporative pre-cooling + condenser protection + mechanical air filtration
- Mounted externally in front of condensers
- Initiates adiabatic cooling before mechanical cooling
- Applies fine mist of processed water to reduce condensation temperature.

Smart Cooling™ ensures 100% condenser protection from direct contact with water.

Main components:

Smart Cooling ™ comprises the following key components: protective membranes, water treatment and recirculation systems, high-pressure water pump, control unit, high-pressure nozzle panels, fasteners, and fixings.

- Protective membranes cover the condenser surface, preventing direct water contact.
- Water system purifies and sterilizes water to prevent mineral buildup and bacteria.
- **Pump** provides 70 bar pressure.
- Control unit regulates operation via real-time data (temperature, humidity, chiller parameters).
- Nozzles spray 5-40 µm droplets.
- A set of fasteners and fixings ensure the compatibility of the equipment with the chiller.



Measuring instruments:

- RIF600 ultrasonic waterflow meter
- Eniscope Analytics energy monitoring
- COP formula: El/kw ÷ cooling/kw = COP



Chiller with Smart Cooling™ system



Chiller without Smart Cooling™ system

• Equipment tested: Air-cooled water chillers, CARRIER 30XA1002.



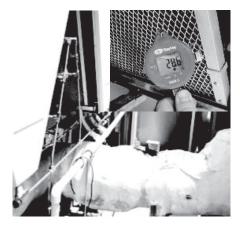




Testing procedures

A data logger was installed on the subject HVAC equipment to collect all applicable real-time electricity

consumption and unit performance statistics. Data was collected by the Eniscope Analytics device.



Temperature probe Nr.1
Probe showing inflowing air
temperature past the protective
membrane: +28.6° Celsius.



Temperature probe Nr.2
Probe showing inflowing air
temperature before reaching
the protective membrane: +43.0°
Celsius.

During the first 5 days (120 hours of use) of testing measured electricity consumption by the condenser without *Smart Cooling* ™. During this period the chillers consumed **70,112 KW/h**. Water consumption was **0 m³** and the average temperature and relative humidity during the period were **36°C** and **34%** RH.

During the following 5 days (120 hours of use), with *Smart Cooling* ™ switched on and fully operational, data gathered shows the chiller consumed **53,386 KW/h**. Water consumption was **88 m³** and the average temperature and relative humidity during the period were **36°C** and **45% RH**.

After analyzing the monitoring, results show that energy savings gain delivered by *Smart Cooling* TM during 5 operating days was **16,726 KW/h**.

In the following pages, tables discriminate electricity consumption, air temperature and operating periods, before and after *Smart Cooling* TM .

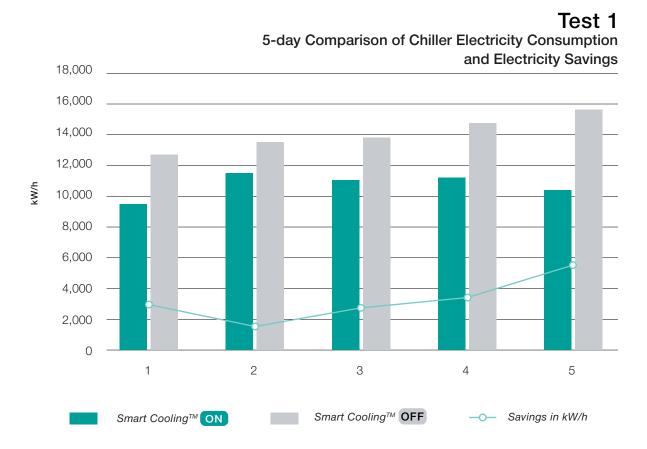


5-day Periods On-Off Testing Measurement Outcomes

With *Smart Cooling* ™, in a period of 5 days, the customer economized **16,726 kw/h** of electricity. Electricity supply charges were, at the time, **0.46 Emirati Dirham (AED)** per kw/h. Thus, total savings in electricity charges were of **7,693 AED**.

Water usage during the period was **88 m³** and water supply charges at the time were **10.5 AED** per m³.

In total, water supply expenses were of **924 AED**.



Smart Cooling[™] granted total savings post running costs of **6,769 AED** in 5 days or **1,353 AED** per day. On average, Smart Cooling[™] reduced electricity consumption by **3,345 kw/h** per day.

Smart Cooling[™] engineers forecasted 17% savings for a 14-hour period within a 24-hour operational period – initially evaluated as 755 kw/h savings based on a 10°C temperature drop.

However, the results measured during the system's operation show that *Smart Cooling's*™ performance went well beyond predictions, delivering on average a **14°C** decrease and further boosting chiller efficiency.



Test 1

Five-day electricity consumption comparison – 17 to 21 June with $Smart\ Cooling^{\mathsf{TM}}$ OFF and 3 to 7 June with $Smart\ Cooling^{\mathsf{TM}}$ ON

Date	Total chiller consumption in KWth with Smart Cooling™ OFF 17 June	Total chiller consumption in kwih with Smart Cooling ** ON 3 June	Savings in kwih	Savings in %	Chiller load with Smart Cooling™ OFF	Chiller load with Smart Cooling M	Temperature with Smart Cooling™ OFF	Temperature with Smart Cooling™ ON 3 June
17/06/2019	17 June	3 Julie					17 June	3 Julie
00:00	526	292	236	45%			33.49	31.00
17/06/2019	525		230	45%			30.40	51.00

01:00	504	347	157	31%			33.24	30.44
17/06/2019								
02:00	496	302	193	39%			32.79	30.01
17/06/2019			470					
03:00	480	304	176	37%			32.59	29.87
17/06/2019								
04:00	480	368	112	23%			32.51	30.02
17/06/2019								
05:00	468	302	166	35%			32.26	29.87
17/06/2019			400					
06:00	443	304	139	31%			31.21	29.79
17/06/2019								
07:00	412	338	76	18%			32.13	30.99
17/06/2019								
08:00	469	365	104	22%			34.63	34.04
17/06/2019								
09:00	497	391	105	21%			36.81	34.78
17/06/2019								
10:00	400	394	104	21%			38.01	35.96
17/06/2019								
11:00	519	397	122	24%	84%	57%	41.70	38.24
17/06/2019 12:00	672	379	193	34%	O-1.00	07%	42.82	38.82
17/06/2019								
13:00	581	400	182	31%			39.74	36.75
17/06/2019								
14:00	569	427	142	25%			38.05	38.26
17/06/2019								
15:00	564	506	59	10%			37.39	35.12
17/06/2019								
16:00	565	470	95	17%			36.11	34.58
17/06/2019								
17:00	696	493	102	17%			35.42	34.00
17/06/2019								
18:00	606	483	123	20%			34.10	33.02
17/06/2019								
19:00	565	454	111	20%			33.54	32.48
17/06/2019								
20:00	543	440	103	19%			33.17	32.38
17/06/2019								
21:00	568	413	153	27%			32.79	32.29
17/06/2019								
22:00	495	451	45	9%			32.25	32.17
17/06/2019								
23:00	467	391	76	16%			32.05	32.38
Day Total	12463	9408	3075	25%				

Date	Total chiller consumption in KWh with Smart Cooling™ OFF	Total chiller consumption in lively with Smart Cooling*** ON	Savings in kwih	Savings in %	Chiller load with Smart Cooling®	Chiller load with Smart Cooling™ ON	Temperature with 5mart Cooling™ OFF	Temperature with Smart Cooling™ ON
	18 June	4 June			OFF.		18 June	4 June
18/06/2019								
00:00	528	429	97	18%			32.28	32.62
18/06/2019								
01:00	512	447	e5	13%			32.13	31.53
18/06/2019	508 394 113 22%							
02:00	508 504 113 22%					31.88	30.42	
18/06/2019	491 456 35 7% 481 447 35 7%							
03:00							31.40	30.72
18/06/2019								
04:00							30.63	31.32
18/06/2019								
05:00	481	447	35	7%			30.00	31.04
18/08/2019								
06:00	486	450	36	7%	29.70	31.46		
18/06/2019								
07:00	512	482	50	10%			30.87	32.40
18/06/2019								
08:00	516	470	46	9%			31.97	34.87
18/06/2019								
09:00	540	477	62	12%			33.81	37.62
18/08/2019								
10:00	587	466	121	21%			38.98	41.48
18/08/2019								
11:00	596	492	103	17%			39.52	46.67
18/06/2019					86%	77%		
12:00	584	473	111	19%		42.07	45.03	
18/08/2019								
13:00	590	470	120	20%			39.12	40.57
18/06/2019								
14:00	610	475	135	22%			37.86	37.73
18/06/2019								
15:00	654	614	40	6%			36.57	37.77
18/06/2019								
16:00	655	614	41	6%			35.74	37.29
18/06/2019								
17:00	653	568	85	13%			35.22	36.56
18/06/2019								
18:00	636	539	97	15%			34.18	36.03
18/08/2019								
19:00	624	523	101	16%			33.73	36.63
18/08/2019								
20:00	632	524	524 108 17%			34.29	36.89	
18/08/2019		632 524 103 17% 610 511 39 16% 521 479 42 3%						
21:00	610						34.25	37.63
18/08/2019								
22:00	521						33.83	37.69
18/08/2019								
23:00	509	475	34	7%			33.60	37.61
Day Total	13533	11673	1860	14%				
				1717				

Date	Total chiller consumption in KWh with Breat Cooling® OFF	Total chiller consumption in kwlin with denart Cooling™ ON 5 June	Savinge in kwih	Savings in %	Chiller load with Smart Cooling™ OFF	Chiller load with Smart Cooling™ ON	Temperature with Smart Cooling™ OFF	Temperature with Smart Cooling™ ON 5 June	
19/06/2019									
00:00	561	428	133	24%			33.86	37.42	
19/06/2019									
01:00	588 425 161 27%						34.43	36.78	
19/06/2019	558 427 131 24%						34.69	36.12	
19/06/2019	990	427	191	24%			34.00	30.12	
03:00	528	434	95	18%			34.52	35.29	
19/06/2019	520	***	~	1030			54.02	30.25	
04:00	510	468	42	8%			34.24	34.85	
19/06/2019									
05:00	500	448	11%			33.93	34.53		
19/06/2019									
08:00	500 448 54 11% 500 448 52 10%					33.65	34.61		
19/06/2019									
07:00	519	457	62	12%			33.84	35.68	
19/06/2019									
08:00	575	472	104	18%			34.27	36.73	
19/06/2019									
09:00	558	474	83	15%			35.35	38.78	
19/06/2019									
10:00	577 467 110 19%				37.23	41.88			
19/06/2019									
11:00	597	482	115	19%	85%	35%	41.03	46.33	
19/06/2019	635	388	247	39%			42.00	45.50	
19/06/2019									
13:00	644	414	230	36%			40.22	40.30	
19/06/2019									
14:00	621	429	193	31%			37.99	39.16	
19/06/2019									
15:00	634	560	74	12%			36.52	37.80	
19/06/2019									
16:00	635	528	107	17%			35.46	36.60	
19/06/2019									
17:00	637	525	112	18%			34.55	36.05	
19/06/2019									
18:00	636	531	108	17%			33.70	35.35	
19/06/2019									
19:00	589	517	72	12%			32.99	34.74	
19/06/2019	#70						***		
20:00 19/06/2019	578	451	128	22%			32.92	34.95	
21:00	571	383	189	33%			32.89	35.40	
19/06/2019	4/1							73.70	
22:00	524	377	148	28%			32.51	35.69	
19/06/2019									
23:00	493	405	89	18%			32.25	35.43	
Total of day	13769	10953	2836	21%					



Date	Total chiller consumption in KWith with Smart Cooling® OFF	Total chiller consumption in kwih with Smart Cooling® ON	Savings in kwith	Savings in %	Chiller load with Smart	Chiller load with Smart	Temperature with Smart Cooling™ OFF	Temperature with Smart Cooling™ ON
	20 June	6 June			Cooling™ OFF	Cooling™ ON	20 June	6 June
20/06/2019								
00:00	537	32.44	35.13					
20/06/2019								
01:00	527	32.29	34.91					
20/06/2019								
02:00	516	347	169	33%			32.04	34.61
20/06/2019								
03:00	504	337	167	33%			31.63	33.84
04:00	490	424	67	14%			30.97	33.77
20/06/2019			0,	14.0			30.40	55.77
05:00	495	400	95	19%			30.49	33.79
20/06/2019								
06:00	497	300	98	20%			30.58	32.43
20/06/2019								
07:00	486	411	74	15%			31.85	33.89
20/06/2019								
06:00	530	451	79	15%			33.56	35.83
20/06/2019								
09:00	613	516	97	16%			35.50	38.44
20/06/2019				4900				
10:00	613	508	105	17%			38.41	41.00
20/06/2019	647	22%			43.42	47.04		
20/06/2019	047	507	141		88%	79%		41.44
12:00	712	500	203	29%			45.52	46.62
20/06/2019								
13:00	731	512	219	30%			43.53	39.53
20/06/2019								
14:00	709	501	209	29%			38.16	38.01
20/06/2019								
15:00	693	556	137	20%			36.75	36.37
20/06/2019								
16:00	690	568	122	18%			35.89	35.29
20/06/2019	220	851	450	4000			24.47	***
17:00	686	554	132	19%			35.57	34.63
18:00	674	527	148	22%			34.91	33.86
20/06/2019	014	***	.40	-22			71.81	75.00
19.00	691	510	181	26%			34.15	33.71
20/06/2019								
20:00	733	517	216	30%			33.65	33.71
20/06/2019								
21:00	728	475	253	35%			33.71	33.97
20/06/2019								
22:00	625	423	202	32%			33.65	34.28
20/06/2019								
23:00	580	410	170	29%			33.21	34.15
Day Total	14707	11091	3816	25%				

Date	Total chiller consumption in KWM with Smart Cooling™ OFF 21 June	Total chiller consumption in kwh with Smart Cooling** ON 7 June	Savings in kw/h	Savings in %	Chiller load with Smart Cooling**	Chiller load with Smart Cooling™ ON	Temperature with Smart Cooling™ OFF 21 June	Temperature with Smart Cooling™ ON 7 June
21/06/2019								
00:00	658	433	224	34%			33.22	33.76
21/06/2019 01:00	609	400	209	34%			33.27	33.29
21/06/2019								
02:00	607	405	405 201 33%				33.36	32.99
21/06/2019	602	351	251	42%			32.96	32.49
21/06/2019							46.00	
04:00	670	424	245	37%			33.03	32.77
21/06/2019								
05.00	599	380	218	36%			33.61	32.12
21/06/2019	***		477	0.00			40.70	
06:00	568	391	178	31%			33.76	31.66
21/06/2019	578	378	200	35%			34.51	33.10
21/06/2019								
08:00	601	449	152	25%			35.73	35.08
21/06/2019								
09:00	628	492	135	22%			37.63	38.14
21/06/2019								
10:00	729	423	307	42%			40.30	39.04
11:00	722	464	258	36%			41.61	41.30
21/06/2019				****	74%	66%		
12:00	783	467	316	40%			41.64	41.62
21/06/2019								
13:00	780	459	321	41%			38.43	38.99
21/06/2019	768	494	275	36%			36.87	38.35
21/06/2019	700		210	30%			35.67	30.30
15:00	716	482	233	33%			35.55	36.88
21/06/2019								
16:00	758	475	283	37%			34.96	35.90
21/06/2019								
17:00	626	490	136	22%			34.57	35.29
21/06/2019	632	444	188	30%			34.27	34.26
21/06/2019	•••	***	100				94.61	
19:00	635	432	203	32%			34.02	34.30
21/06/2019								
20:00	730	428	304	42%			34.05	35.04
21/06/2019							****	
21/06/2019	620	419	201	32%			33.96	35.29
22:00	502	347	155	31%			33.81	35.01
21/06/2019								
23.00	499	354	145	29%			33.69	34.89
Day Total	15019	10280	5339	34%				
PERIOD TOTAL	70112	53386	16726	24%				

Test 2: 30-day Summary

Test No.2 was carried out for the period of 30 days, between 31 May and 30 June 2019. During this period, the chillers' electricity consumption was calculated with *Smart Cooling* $^{\text{TM}}$ turned ON.

The **Carrier 30XA 1002** chillers operated with the *Smart Cooling* ™ unit ON for consecutive 20 days, during when the total energy consumption of the chillers' MW/h was measured.

Measured consumption with Smart Cooling ™ ON

Smart Cooling[™] equipment was ON for 20 days with an average hotel occupancy of 72%. In 20 days, total chiller consumption was of 221.41 MW/h, an average of 11.07 MW/h per day.

• Formula: $(221.41 \ MW/h \div 20 \ days) = 11.07 \ MW/h$ on a 24-hour average.

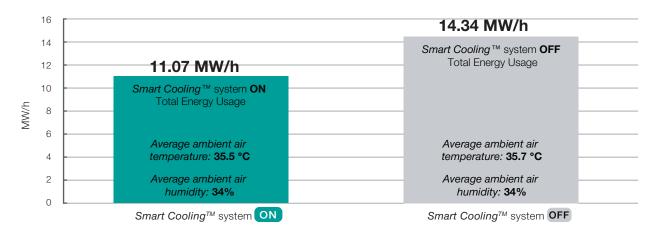
Measured consumption with Smart Cooling ™ ON

Smart Cooling[™] equipment was OFF for 9 days with an average hotel occupancy of 82%. In 9 days, total chiller consumption was of 129.06 MW/h, an average of 14.34 MW/h per day.

• Formula: $(129.06 \ MW/h \div 9 \ days) = 14.34 \ MW/h$ on a 24-hour average.

Test Nr. 2 summary:

After a 30-day, 24-hour comparison test of average electricity consumption of a **Carrier 30XA1002**, we ascertained that average savings were of **2 to 3 MM/h**, contingent on the hotel's occupancy rate. Total 30-day water consumption, including *Smart Cooling* $^{\text{TM}}$ maintenance was **375 m**³.





Test 2

30-day overview with Smart Cooling™ turned ON and OFF

		Sn	nart Cooli	ng™ Water :	and Elec	tricity Consumption Readings		
Date	Previous water consumption in m ³	Current water consumption in m	Total Consumed	Total Mwth consumed	OCCP %	Smart Cooling** operational noise	Average ambient air temperature	Highest ambient air temperature
31/05/2019	0	36	7918.56	8.77	47.08	On - final adjustments performed	34	43
01/08/2019	36	50	3079.44	0.25	47.08	on	34	40
02/08/2019	50	eo	2199.6	0.43	47.08	on	34	43
03/05/2019	60	78	3959.28	0.41	54.04	on	33	39
04/08/2019	78	95	3739.32	11.67	57.94	on	36	46
05/05/2019	95	112	3739.32	10.93	76.32	on	37	46
06/05/2019	112	130	3959.28	11.00	83.29	on	37	47
07/08/2019	130	148	3959.28	10.20	77.44	on	35	41
08/08/2019	148	162	3079.44	0.02	66.02	on	35	45
09/05/2019	162	175	2659.48	10.43	77.16	on	35	43
10/08/2019	175	184	1979.64	11.36	81.62	on -after 14.00, one Smart Cooling™ circuit not operating	33	41
11/08/2019	184	197	2959.48	12.2	82.73	on - after 14:00, one Smart Cooling™ circuit not operating	35	42
12/05/2019	197	212	3299.4	12.27	86.07	on	37	44
13/05/2019	212	228	3519.36	12.13	93.31	on	37	44
14/05/2019	228	241	2859.48	12.45	88.86	on	36	44
15/08/2019	241	254	2659.48	12.64	77.16	on	35	43
16/05/2019	254	265	2419.56	12.64	86.35	on	35	42
17/05/2019	265	274	1979.64	12.48	84.96	At 17:00, Smart Cooling™ turned off	34	43
18/05/2019	274	274	0	13.63	86.35	off	34	43
19/08/2019	274	274	0	13.77	85.24	off	35	43
20/08/2019	274	274	0	14.71	88.02	off	35	45
21/08/2019	274	274	0	15.62	74.37	off	35	42
22/08/2019	274	285	2419.56	16.01	74.09	Off (cleaning process)	37	44
23/08/2019	285	294	1979.64	15.36	78.55	Off (cleaning process)	37	43
24/08/2019	294	294	0	13.50	83.84	off	36	44
25/08/2019	294	294	0	12.96	83.29	off	35	43
26/08/2019	294	294	0	13.52	86.91	off	37	42
27/08/2019	294	309	3299.4	12.82	85.79	On, after 15:00	37	44
28/06/2019	309	332	5059.08	12.88	79.67	on	37	44
29/05/2019	332	355	5059.08	12.03	71.03	on	38	48
30/08/2019	355	375	4399.2	11.83	76.32	on	37	47

ROI Summary:

Calculated savings:

- Daily electricity savings = 2.5 Mw/h X 0.45 AED (energy supply rate) = **AED 1,125**.
- Monthly electricity savings = AED 1,125 X 30 days = **AED 33,750**.

Operation costs:

- Monthly water consumption = 375 m3 X 10 AED (water supply rate) = AED 3,750.
- Biochemical materials and maintenance costs = **AED 600**.
- Total operational costs = AED 4,350.
- Monthly net savings = AED 33,750 AED 4,350 = **AED 29,400**.

Equipment costs:

• 2 Smart Cooling™ devices = **AED 210,000** (*Inc. VAT*)

Return on Investment (ROI):

• 2 Smart Cooling[™] devices= 210,000 / (29,400 X 8) = **10.7 Months**

ROI Calculation Notes:

There are effectively eight operating months comprising heat season and four months with negligible savings, which were not considered for the purposes of this ROI calculation.

As per the readings above, measured savings range from **2 to 3 MW/h** per day. For estimation purposes, we have based the ROI calculation on average savings of **2.5 MW/h**.

ROI calculation is contingent on a building's cooling requirements and external air temperature).

31 July 2019



Annex:



Riels instruments srl Viale Spagna, 16 35020 Ponte San Nicolò (PD) - ITALY Ph. +39 0498961771 | info@riels.it

Date

Model:



15/12/2018

RIF600W



RIF600 | Clamp-on Ultrasonic Meter Calibration Report

Pipe diameter DN80
Ambient temperature 29°C
Standard Device before test Normal
Standard Devide After Test Normal
Test result Qualified
Measured Medium Water
Accuracy 1%
Signal Strength UP: 96

DOWN: 90 Standard device name Static volumetric ma

Standard device name Static volumetric method/standard Meter Method Water Flow/Standard Device

Standard device accuracy 0,20%

Test	727	Standard Meter flow m3/h		Pressure	Tested	Meter Flow	Basic Error		Repeatability															
Point	m3			Mpa	The second	n3/h		6	9	%														
	101,52		25,0	0,300	102,27		0,739	T		1														
Point 1	101,47	101,47	25,0	0,300	102,07	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10	102,10 0,591		-0,147	
	101,42		25,0	0,300	101,97		0,542																	
	71,27		25,0	0,300	71,75	71,65 71,75 0,646 71,86 0,729 26,51 0,722 26,56 26,55 0,759	71,75	0,673	0,673			1												
Point 2	71,19	71,27	25,0	0,300	71,65			71,75	71,75	71,75 0,646 0,729	71,75	71,75	71,75	71,75	71,75	71,75	0,646	0,759	-0,146	0,147				
	71,34	0.0000000000000000000000000000000000000	25,0	0,300	71,86						0.000	=87(4)53	- 6500											
	26,32		25,0	0,300	26,51		0,722	7		1														
Point 3	26,36	26,36	25,0	0,300	26,56		26,55	26.55	26,55	26,55 0,759	1	-0.132												
	26,39		25,0	0.300	26,58		0,720	1	46.75															

Verification Based on Scale Factor=1 JJG 1030-2007 < Ultrasonic flowmeter verification procedures >

Riels instruments srl | test Report

Pag. 1 di 2





Riels instruments srl Viale Spagna, 16 35020 Ponte San Nicolò (PD) - ITALY Ph. +39 0498961771 | info@riels.it

Date

Model:

15/12/2018

RIF600W





RIF600 |Test Report misuratore di portata ad ultrasuoni clamp on

Diametro tubazione DN80 Temperatura ambiente 29°C

Dispositivo standard prima del test Normale Dispositivo standard dop il test Normale Pisultato del test Oualified

Risultato del test Qualified
Liquido Acqua
Accuratezza 1%
Potenza dei segnali UP:
DOWN:

DOWN: 90
Tipo di dispositivo standard Metodo volumetrico statico/Misuratore di portata volumetrico

Accuratezza del dispositivo standa 0,20%

Test	Misuratore s	Misuratore standard m3/h		Pressione	Misurat	tore testato	errore	base	Ripetibilità						
Punti	m3/t			m3/h		Mpa	-	m3/h	9	4	. 9	6			
	101,52	101,52	25,0	0,300	102,27	102,07 102,10	102,10 0,739 0,591 0,542	102,10	102,10	0,739					
Punto 1	101,47	101,47	25,0	0,300	102,07					102,10	102,10	102,10	102,10	0,591	1
	101,42		25,0	0,300	101,97			0,542	1	85.0					
p=0.1 1.52	71,27	500 5700	25,0	0,300	71,75	A 55-99	0,673	1							
Punto 2	71,19	71,27	25,0	0,300	71,65	71,75	71,75	71,75	The second secon	0,646	0,759	-0,146	0,147		
	71,34	8 3	25,0	0,300	71,86					0,729		1 2 1	-		
	26,32		25,0	0,300 26,51	26,51	e conversa	0,722	1		1					
Punto 3	26,36	26,36	25,0	0,300	26,56	26,55	26,55	26,55	26,55	26,55	26,55	26,55 0,759	1	-0,132	
	26,39		25,0	0,300	26,58			0,720							

Verification Based on Scale Factor=1 JJG 1030-2007 < Ultrasonic flowmeter verification procedures >

Riels instruments srl | test Report

Pag. 2 di 2

