



Brand : Bellini

Model : BL/GL-3338

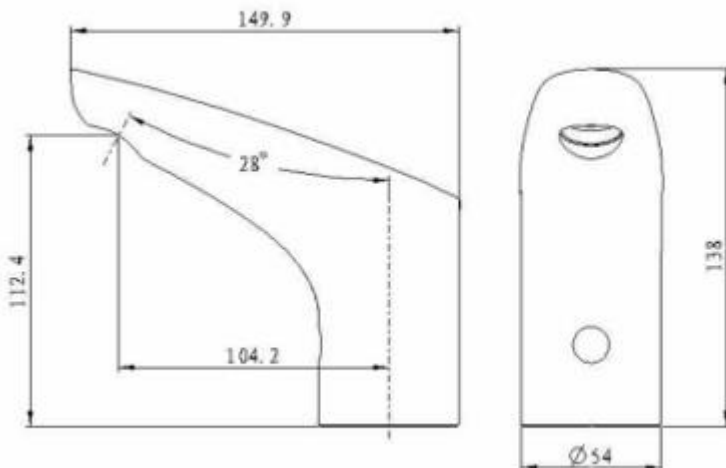
Color : Chrome

Size :

Description : ½" Deck mounted sensor basin tap (AC/DC)

Origin : PRC

Remarks : HKWSD Approved no: C20230758 & HKWELS Grade 1 (Reg no: TN22-0085)
Test Report no.: REIA087 & REIA087W



GL-3338 – 全自動感應水龍頭

功能與特點:

- 1) 智能節水: 通過感應部件, 手一伸水即來, 手一收水即停。
- 2) 方便衛生: 手不需接觸金屬物件, 出水由感應器自動完成, 有效避免細菌交叉感染。
- 3) 節能省電: 直流產品使用4節5號鹼性電池時, 每天使用300次, 2年內無須更換電池。
- 4) 維護方便: 內置過濾網的設置可方便清除水路中沙石等固體物質。
- 5) 超時功能: 當連續使用時間超過1分鐘, 機器將自動關水, 避免因異物長時間在感應範圍內造成水資源的浪費。
- 6) 內置沖水電磁閥, 柔水器, 出水均勻流暢, 使用方便。
- 7) 24小時內如未有使用龍頭之時, 會有自動沖水一次功能, 約7-8秒鐘, 這個功能, 主要防止面盆隔氣冇水, 防止排水管臭氣進入室內。

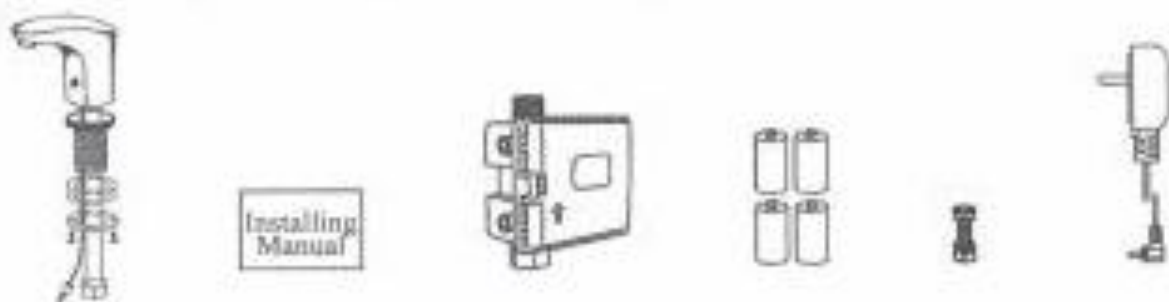
技術指標參數:

- 1) 供電電源: DC 6V/AC 220V (根據不同需求選用: 直流6V電池或交流220V電源供電)
- 2) 靜態功耗: $\leq 0.6\text{W(AC)}$ (當使用4節5號鹼性電池時, 按每天使用300次計算, 約可使用2年。
- 3) 適用溫度: 1-55 °C
- 4) 感應範圍: 33cm $\pm 10\%$ (對標準29.7cm x 29.7cm, 表面附70g木漿復印紙的光潔板材模擬板)
- 5) 進水管管徑: (DN15) G1/2"
- 6) 適用水壓: 0.05MPa - 0.6MPa (最佳設計水壓0.1-0.3MPa)
- 7) 龍頭體尺寸: 54 X 138 X 149.9mm
- 8) 執行標準: CJ/T 194

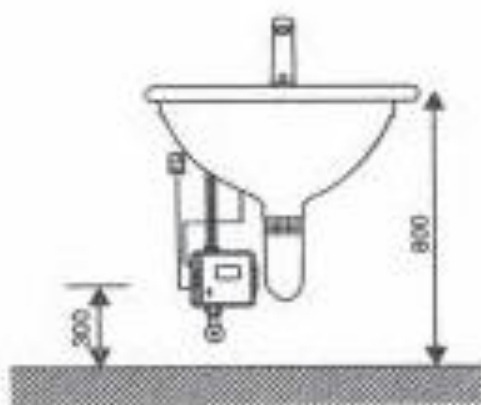
材質說明:

- 1) 龍頭體: 黃銅鍍鉻
- 2) 控制盒: 工程ABS
- 3) 進出水件: 黃銅
- 4) 管材鎖件: 304不銹鋼

GL-3338 – 全自動感應水龍頭 – 安裝說明:

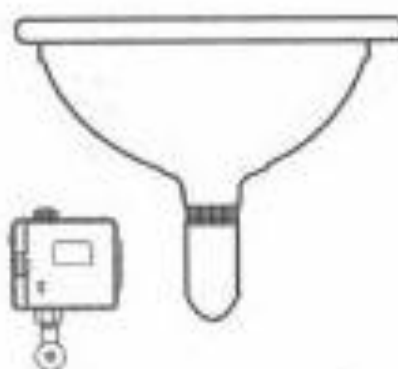


3. Installation Scheme

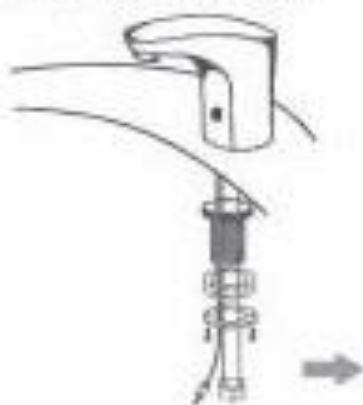


4. Installing Steps

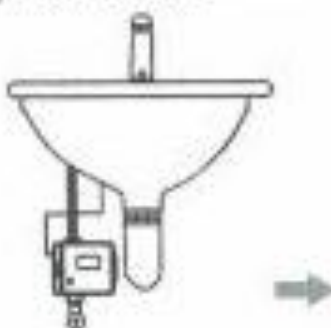
4.1. Controller Installation: Fix the Controller onto the tri-angle valve.



4.2. Faucet Installation



4.3. Connect the host to water outlet of controller. And connect the sensor eye to controller.



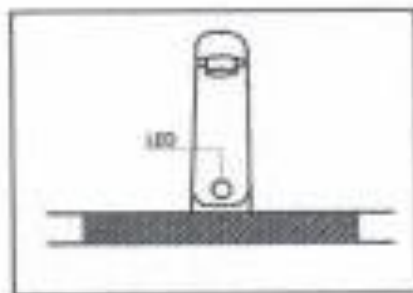
4.4. Turn on tri-angle valve. Load the battery and put it in to controller.



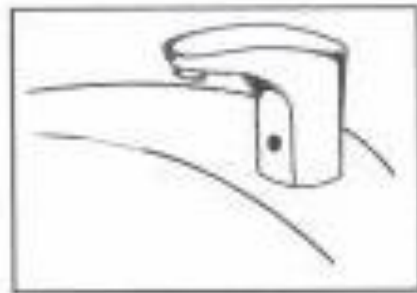
5. Use Instruction



(1) When put the hands into detection zone, the water will come out automatically.



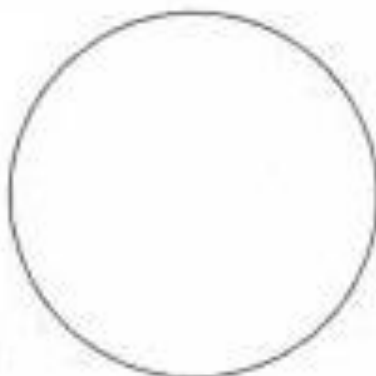
(2) When water comes out, the LED will light on. If not, it will be off.



(3) The water will stop within 1sec after your hands leave.

6. Testing of Detection Zone

1. Open the controller and take out the battery box. Unplug the battery box then re-plug it after a while.
2. When the sensor light flashes, put your hands into detection zone (30-50mm), when it stops flash, remove your hands.
3. Put your hands into the detection zone you like, when the light flash again, remove your hands. Then you have set the detection zone.



8. Notes

1. Not to knock at the controller and sensor eye
2. Don't clean the controller and sensor eye by acid or alkaline cleaner.
3. Avoid to clean the controller with water.
4. Make sure there is nothing on the sensor eye.
5. Not to scratch on the sensor eye.
6. Not to install the faucet under the direct sunshine or strong light.
7. Not to install it in the humid environment.

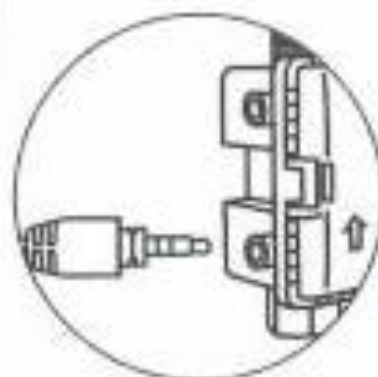


9. Maintenance

1. Pls clean the sensor eye by soft and wet cloth.
2. Pls clean the aerator termly.

7. Important Points of Installation

Make sure the the plug of sensor eye has been inserted into controller completely and the o-ring is put into the socket completely to ensure waterproof.



10. Malfunction Shooting

Malfunction	Solution
No Water comes out	Change battery
	Adjust Detection Zone
Water comes out w/o inducting.	Adjust Detection Zone
	Dry the plug of sensor eye then fix the nut.
Water Drop	Take out the battery, re-install it after 1min.
Water come out less	Clean the aerator
If there is other malfunction can't be solved, pls connecto to the suppliers.	



總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (6) in WSD 3321/2023 T/J(745/2023)
Our ref.
來函檔號 :
Your ref.

電話 :
Tel.
傳真 : 2824 0578
Fax.

13 October 2023

E&I International Limited
Room 5-7, 8/F., Block B, Chung Mei Centre,
15 Hing Yip Street, Kwun Tong,
Kowloon, Hong Kong

(Attn.: Ms Colette TSANG)

Dear Madam,

**Approval of "BELLINI" Sensor Tap
(General Acceptance No. C20230758)**

Your letters ref. CT230724A, CT230828A and CT230919A dated 24 July 2023, 28 August 2023 and 19 September 2023 respectively refer.

Having considered the test report ref. REIA087 issued on 3 July 2023 by Ideal Test Consultants Ltd., this Authority accepts that the fitting described below complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Glllo (Fujian) Smart Kitchen & Bathroom Stock Limited

Country of Origin: the Mainland of China

Brand: Bellini

Details of Fitting: 1/2" Deck mounted sensor basin tap

Model: BL/GL-3338

Body Markings: 

Expiry Date: 22 June 2028

This Authority hereby permits the use of the above fitting in fresh water plumbing systems subject to full adherence to Waterworks installation requirements. In particular, you are required to draw your customers' attention to the following requirement-

"A stop cock or gate valve must be installed at the upstream of the fitting for manual isolation of water supply." AND

"The main voltage operated sensor valve should comply with the electricity safety regulation for applications in bathroom, toilet etc."

A condition of this acceptance is that the fitting to be installed shall be replicas of the sample as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fitting installed fails to meet that of the approved sample or if the fitting is found to be unsuitable for use in fresh water plumbing systems.

This acceptance is only applicable to the main body of the fitting, unless otherwise specified.

For the use of the fitting in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fitting by this Authority.

Should you have any enquiries, please contact our Engineer Ms Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(Terry KUNG)

for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only

註冊號碼 (Registration No.): TN 22-0085



自願參與用水效益標籤計劃 - 水龍頭
Voluntary Water Efficiency Labelling Scheme - Water Taps

Certificate of Registration 註冊證書


茲證明

This is to certify that

E&I International Limited

將下列水龍頭在本計劃內註冊：
has registered the following water tap under this scheme :

牌子 / Brand	:	Bellini + Neoperl
型號 / Model	:	BL/GL-3338 + NP-40.1059.000
種類 / Type	:	Non-mixing
原產地 / Country or Region Origin	:	China (Tap) Germany (Flow Controller)

在用水效益標籤上展示的標誌 <i>Symbolic Presentation on the Water Efficiency Label</i>	:	 滴水點 <i>Water droplet(s)</i>
用水效益級別 <i>Water Efficiency Grade</i>	:	1 with additional merit*
耗水量 <i>Water Consumption</i>	:	1.5 公升/分鐘 <i>litres/minute</i>

*with additional merit of "Automatic closing mechanism"

簽發日期: 2 September 2022
Date of Issue:

 水務署
Water Supplies Department



水務署署長(林麗恒代行)
for Director of Water Supplies



水務署
Water Supplies Department

總部 Headquarters
香港灣仔告士打道七號入境事務大樓 48 樓
48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (3) in WSD 3321/5/4/2022 T/J(156/2022)
Our ref.
來函檔號 :
Your ref.

電話 :
Tel.
傳真 : 2824 0578
Fax.

2 September 2022

E&I International Limited
8/F, Block B, Chung Mei Centre,
15 Hing Yip Street, Kwun Tong,
Kowloon, Hong Kong
(Attn.: Ms. Fanny YAU)

Dear Ms. YAU,

**The Water Efficiency Labelling Scheme (WELS)
on Water Taps
Acceptance of Application for Registration**

With reference to your letter ref. FY220720A received by us on 20 July 2022 and email dated 11 August 2022, I am pleased to inform you that your application for the registration of water tap to the captioned scheme has been accepted and the certificate of registration is attached for your retention. The registration information is as follows:

<i>Brand</i>	<i>Model no.</i>	<i>Type</i>	<i>Country/ Region of origin</i>	<i>Registration no.</i>	<i>Water efficiency grade</i>	<i>Nominal flow rate (litre/min.)</i>	<i>Additional merit</i>
Bellini + Neoperl	BL/GL- 3338 + NP- 40.1059.000	Non- mixing	China (Tap) Germany (flow Controller)	TN 22-0085	1	1.5	Automatic closing mechanism



You are reminded of the following compulsory requirements of the water efficiency label in accordance with Section 7.1 of the Scheme Document:

- i) **to affix the full version water efficiency label to the above registered water tap or its packaging at a prominent location; and**
- ii) **to ensure that the registered water tap shall be displayed for sale with the full version water efficiency label.**

Soft copy of water efficiency label (both simplified version and full version as described in Section 7 of the Scheme Document) will be issued to you separately.

As part of the conditions of our acceptance, your attention is drawn to Sections 9.10, 10 and 11 of the Scheme Document respectively for the requirements of the participant's obligations, legal provisions as well as compliance monitoring and inspection. The Scheme Document can be downloaded from our website:

https://www.wsd.gov.hk/filemanager/en/content_1511/scheme_document_water_taps.pdf

Should you have any queries on the above, please contact our Engineer Ms. Winnie LO at telephone no. 2294 2656.

Yours sincerely,



(Mable LH LAM)

for Director of Water Supplies

Encl.




IDEAL Test Consultants Ltd.
亞典測試顧問有限公司

Unit 18, 8/F., World-Wide Industrial Ctn,
43 - 47 Shan Mei Street,
Fo Tan, N.T. H.K..
Tel: 3702 1986 Fax:3702 1987
Email: sunny@idealtest.com.hk

TEST REPORT

- 3 JUL 2023 *Jenny*



REPORT REFERENCE NO. : REIA087
TITLE : Testing of sensor tap
METHOD OF TEST : BSEN15091: 2013, BSEN1982:2008 & BSEN12167: 2016
PERIOD OF TESTS : 12th May, 2023 to 23rd Jun., 2023
SAMPLE SUBMITTED BY : E & I International Limited
(Information below provided by client) RM 5-7, 8/F., Blk B, Chung Mei Centre,
15 Hing Yip St., Kwun Tong, Kowloon, H.K..
DESCRIPTION OF SAMPLE : 1/2" Deck mounted sensor basin tap (AC/DC)
BRAND : Bellini
MODEL : BL/GL-3338
BODY MARKING : 
MANUFACTURER : GLLO (FUJIAN) SMART KITCHEN & BATHROOM STOCK LIMITED
COUNTRY OF ORIGIN : PRC

SUMMARY OF RESULTS :

(Definition of 'C'- Conformance, 'I'- No requirement, 'NC'- Non-Conformance & 'R'- Remainder)

Tested item/s	Overall results
1. Dimensions	C
2. Leaktightness characteristics	
2.1 Leaktightness of the obturator and tapware upstream of the obturator(s)	C
2.2 Leaktightness of tapware downstream of the obturator	C
3. Pressure resistance characteristics	C
4. Hydraulic characteristics	/
5. Endurance	C
5.1 Leaktightness of the obturator and tapware upstream of the obturator(s).	C
5.2 Leaktightness of tapware downstream of the obturator	C
6. Chemical composition	
6.1 Metal component - Body	C
6.2 Metal component - Tube	C
6.3 Metal component - Connector(1) & Connector(2)	C
7. Metal extraction test for non-metallic materials - Plastic valve	C

Date : 3 Jul 2023

Authorized signature :



Sunny K.S. Wong
(Director)



- 3 JUL 2023 Jenny



RESULTS: - (apply only to the sample tested)

1. Dimensions

(BSEN15091: 2013 Cl. 5.2)

ID	Variable	Unit	Measured	Required	Remark
1	Normal size	in	1/2	1/2	C
	Body thickness	mm	1.7	/	/
	Vertical distance from lowest point of the outlet orifice to the mounting surface	mm	105	≥25	C
Overall result					C

2. Leaktightness characteristics**2.1. Leaktightness of the obturator and tapware upstream of the obturator(s)**

(BSEN15091: 2013 Cl.4.6.4)

ID	Variable	Unit	Measured	Required	Remark
1	Static pressure	bar	16	16 ±0.5	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
Overall result					C

2.2. Leaktightness of the tapware downstream of the obturator

(BSEN15091: 2013 Cl.4.6.5)

ID	Variable	Unit	Measured	Required	Remark
1	Static pressure	bar	4	4 ±0.2	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
2	Static pressure	bar	0.2	0.2 ±0.05	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
Overall result					C

3. Pressure resistance characteristics

(BSEN15091: 2013 Cl.4.7)

ID	Variable	Unit	Measured	Required	Remark
High pressure	Static pressure	bar	25	25±0.5	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
Overall result					C



4. Hydraulic characteristics

(BSEN15091: 2013 Cl.5.3)

ID	Variable	Unit	Measured	Required	Remark
1	Dynamic pressure	bar	3	3 ±0.2	C
	Flow rate	l/min	1.6	/	/
Overall result					/

Note: WSD has waived the minimum flow rate requirement per WSD Circular letter no. 1/2010

5. Endurance

(BSEN15091: 2013 Cl.5.5)

ID	Variable	Unit	Measured	Required	Remark
1	Cold water temperature	° C	24	< 25	C
	Static pressure	bar	4.0	4.0 ±0.5	C
	Test cycles completed	cycles	200000	≥ 200000	C
Overall result					C

5.1. Leaktightness of the obturator and tapware upstream of the obturator(s)

(BSEN15091: 2013 Cl. 5.5.5)

ID	Variable	Unit	Measured	Required	Remark
1	Static pressure	bar	16	16 ±0.5	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
Overall result					C

5.2 Leaktightness of tapware downstream of the obturator

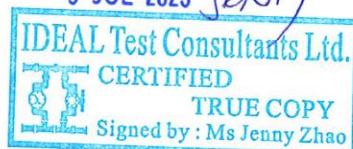
(BSEN15091: 2013 Cl.5.5.5)

ID	Variable	Unit	Measured	Required	Remark
1	Static pressure	bar	4	4 ±0.2	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
2	Static pressure	bar	0.2	0.2 ±0.05	C
	Duration	s	60	60 ±5	C
	Sign of Leakage	--	No	No	C
Overall result					C



6. Chemical composition

- 3 JUL 2023 Jenny



6.1 Metal component – Body

(Designation: BSEN1982:2008 – CC754S)

ID	Variable	Unit	Measured	Required	Remark
Body	Cu – Copper	%	59.4	58.0 - 63.0	C
	Zn – Zinc	%	37.7	R	C
	Pb – Lead	%	1.2	0.5 - 2.5	C
	Sn – Tin	%	0.1	≤ 1.0	C
	Ni – Nickel	%	0.01	≤ 1.0	C
	Fe – Iron	%	0.1	≤ 0.7	C
	Al – Aluminium	%	0.2	≤ 0.8	C
	Mn – Manganese	%	<0.01	≤ 0.5	C
	P – Phosphorus	%	0.01	≤ 0.02	C
	Si – Silicon	%	0.03	≤ 0.05	C
Overall result					C

6.2 Metal component – Tube

(Designation: BSEN12167: 2016 – CW614N)

ID	Variable	Unit	Measured	Required	Remark
Tube	Cu – Copper	%	58.1	57.0-59.0	C
	Zn – Zinc	%	37.9	R	C
	Pb – Lead	%	3.3	2.5-3.5	C
	Sn – Tin	%	0.3	≤ 0.3	C
	Ni – Nickel	%	0.1	≤ 0.3	C
	Fe – Iron	%	0.2	≤ 0.3	C
	Al - Aluminium	%	0.04	≤ 0.05	C
	Others	%	0.06	≤ 0.2	C
Overall result					C

6.3 Metal component – Connector(1) & Connector(2)

(Designation: BSEN1982:2008 – CC767S)

Variable	Unit	Measured		Required	Remark
		Connector(1)	Connector(2)		
Cu – Copper	%	59.0	59.0	59.0-64.0	C
Zn – Zinc	%	40.0	39.9	R	C
Pb – Lead	%	0.09	0.08	≤ 0.1	C
Sn – Tin	%	0.06	0.1	≤ 0.1	C
Ni – Nickel	%	0.03	0.03	≤ 1.0	C
Fe – Iron	%	0.2	0.2	≤ 0.5	C
Al – Aluminium	%	0.1	0.1	0.1-0.8	C
Mn – Manganese	%	0.01	<0.01	≤ 0.5	C
Si – Silicon	%	0.1	0.2	≤ 0.2	C
Overall result					C



7. Metal extraction test for non-metallic materials – Plastic valve

The non-metallic material was immersed in boiling de-ionized water for 5±1 minutes in accordance with Clause 7.3 in BS 6920-3:2000.

The concentration of arsenic, lead, cadmium, chromium, selenium, nickel and antimony of extract were determined by the method specified in BS 6920-2.6:2000+A2:2014 against the maximum allowable values in WHO's Guidelines for Drinking Water Quality – Fourth Edition 2011.

ID	Variable	Unit	Measured	Required	Remark
Plastic valve	As - Arsenic	µg/l	<1	≤ 10	C
	Pb - Lead	µg/l	<3	≤ 10	C
	Cd - Cadmium	µg/l	<1	≤ 3	C
	Cr - Chromium	µg/l	<10	≤ 50	C
	Se - Selenium	µg/l	<5	≤ 40	C
	Ni - Nickel	µg/l	<10	≤ 70	C
	Sb - Antimony	µg/l	<1	≤ 20	C
Overall result					C

Notes: -Requirements are based on WHO Guidelines for Drinking Water Quality Fourth Edition: 2011.

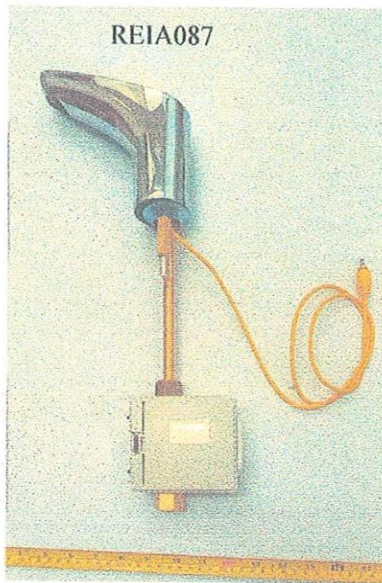


Figure 1- Sample

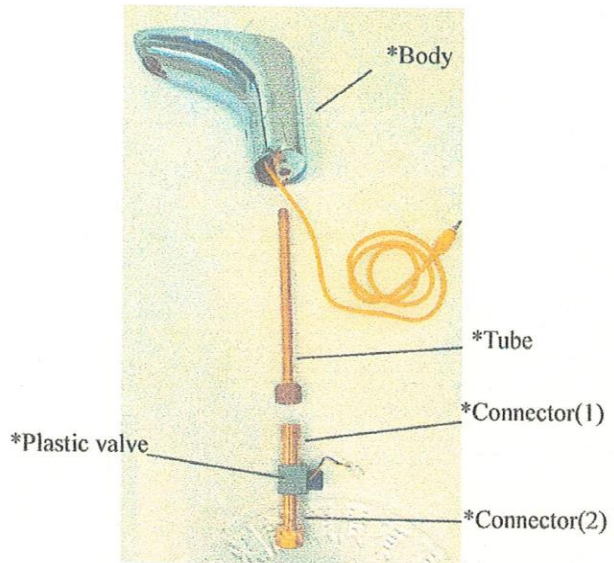
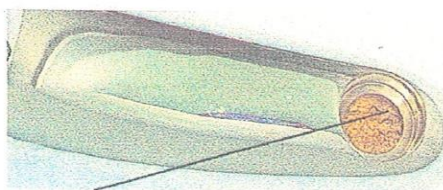


Figure 2- Sample disassembled
(* - Part /s which contact with water)



No electroplating materials were observed on the internal water passage surfaces of the sample under a non-destructive and unaided visual inspection

Figure 3 - Surface of internal water passage



Figure 4 - Body marking

- End of report -



IDEAL Test Consultants Ltd.
 亞典測試顧問有限公司

Unit 18, 8/F., World-Wide Industrial Ctn,
 43 - 47 Shan Mei Street,
 Fo Tan, N.T. H.K..
 Tel: 3702 1986 Fax:3702 1987
 Email: sunny@idealtest.com.hk



- 5 JUL 2023 Jenny



TEST REPORT


REPORT REFERENCE NO. : REIA087W
 TITLE : Testing of Non-Mixing type Water Tap
 METHOD OF TEST : The Hong Kong Water Efficiency Labelling Scheme for Water Taps (December 2018)
 PERIOD OF TESTS : 12th May, 2023 to 16th May, 2023
 SAMPLE SUBMITTED BY : E & I International Limited
 (Information below provided by client) RM 5-7, 8/F., Blk B, Chung Mei Centre,
 15 Hing Yip St., Kwun Tong, Kowloon, H.K..

DESCRIPTION OF SAMPLE : 1/2" Deck mounted sensor basin tap (AC/DC)

Sample	Water tap	Flow controller
Brand	Bellini	Neoperl
Model	BL/GL-3338	NP-40.1059.000
Body marking		
Manufacturer	GLLO (FUJIAN) SMART KITCHEN & BATHROOM STOCK LIMITED	Neoperl GmbH
Country of origin	PRC	Germany

SUMMARY OF RESULTS :
 (Definition of 'C'- Conformance, '/'- No requirement & 'NC'- Non-Conformance)

Tested item/s	Overall results
1. Nominal Flow Rate	C
2. Endurance of the Flow Controller	C

Date : 5 JUL 2023 Authorized signature : 
Sunny K.S. Wong
 (Director)



Report reference no.: REIA087W - 5 JUL 2023 Jenny



1. Nominal Flow Rate

The Voluntary WELS on Non-Mixing Type Water Tap, Dec.2018 , Section A4

ID	Dynamic Flow Pressure (kPa)	Reading	Unit	Measured	Average
Initial Flow Rate with flow controller	50	1st	1/min	1.1	1.1
		2nd		1.1	
	150	1st		1.4	1.4
		2nd		1.4	
	250	1st		1.5	1.5
		2nd		1.5	
	350	1st		1.6	1.6
		2nd		1.6	
	500	1st		1.7	1.7
		2nd		1.7	

ID	Unit	Measured	Required	Remark
Nominal Flow Rate	1/min	1.5	Grade 1 (≤2.0)	C
The highest difference between the 150,250 and 350 kPa average flow rates	1 / min	0.2	≤2.0	C
Water Efficiency Grade				Grade 1 (≤2.0)
Overall result				C

(Manufacturer requirement)

ID	Dynamic Flow Pressure (kPa)	Reading	Unit	Measured	Average
Flow rate without flow controller	50	1st	1/min	5.9	6.0
		2nd		6.1	
	150	1st		12.8	12.7
		2nd		12.5	
	250	1st		17.0	16.9
		2nd		16.8	
	350	1st		20.2	20.1
		2nd		20.0	
	500	1st		24.7	24.5
		2nd		24.3	

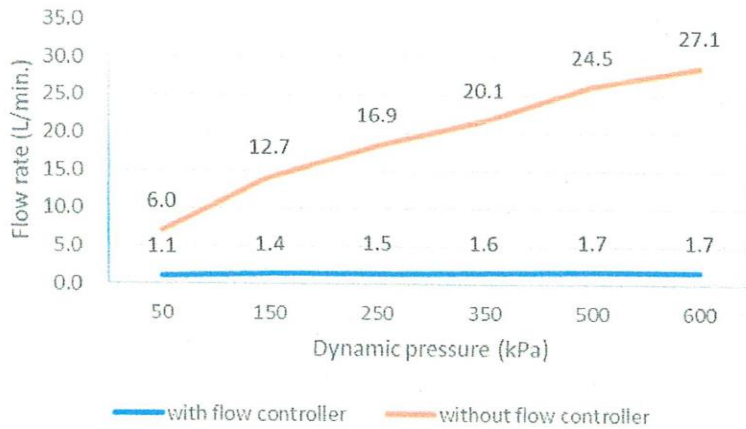


Report reference no.: REIA087W

- 5 JUL 2023 Jenny



Flowchart



2. Endurance of the Flow Controller

The Voluntary WELS on Non-Mixing Type Water Tap, Dec.2018 , Section A4,B5 & B6

ID	Unit	Measured	Required	Remark
Cold Water Temperature	° C	24	Ambient temperature	C
Hot Water Temperature	° C	80	80 ±3 ° C	C
Cycle Speed	Cycle/ min	12	12 ±1	C
Alternating between ambient and heated water		55	Every 55 ±5 cycles	C
Number of endurance cycles completed		10000	10000±100	C

ID	Dynamic Flow Pressure (kPa)	Reading	Unit	Measured	Average
Final flow rate with flow controller	50	1st	l/min	1.0	1.0
		2nd		1.0	
	150	1st		1.3	1.3
		2nd		1.3	
	250	1st		1.4	1.4
		2nd		1.4	
	350	1st		1.5	1.6
		2nd		1.6	
	500	1st		1.6	1.6
		2nd		1.6	



Report reference no.: REIA087W

- 5 JUL 2023 Jenny
IDEAL Test Consultants Ltd.
CERTIFIED
TRUE COPY
Signed by: Ms Jenny Zhao

ID	Unit	Measured	Required	Remark
Initial nominal flow rate	l / min	1.5	Grade 1 (≤ 2.0)	C
Final nominal flow rate		1.4	Grade 1 (≤ 2.0)	C
Difference in nominal flow rate before and after endurance		-0.1	± 1.0	C
Overall result				C

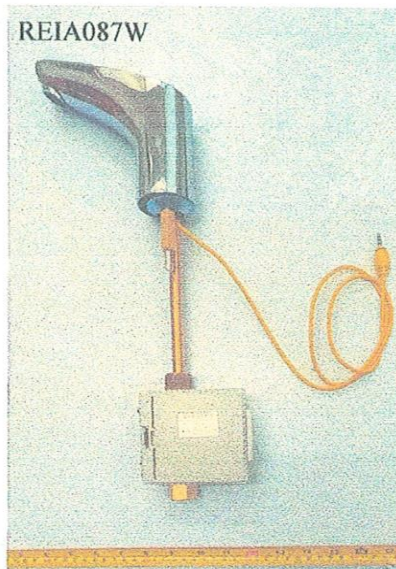


Figure 1 - Side view of the Sample

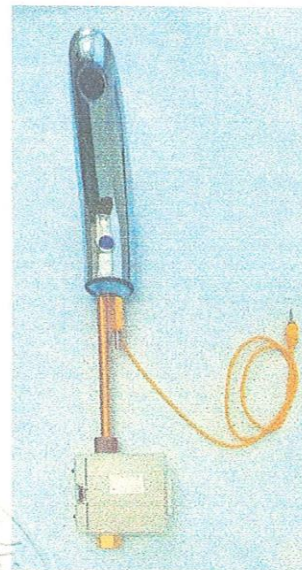


Figure 2 - Front view of the Sample

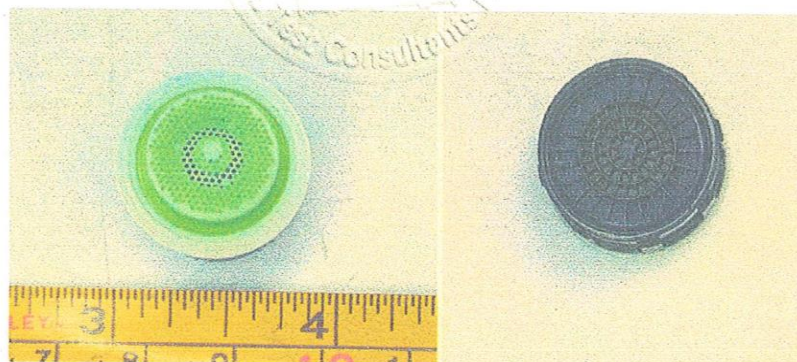


Figure 3 - Flow controller (Front & Back)

- End of report -



水務署
Water Supplies Department

總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (4) in WSD 3321/2022 T/J(553/2022)
Our ref.
來函檔號 :
Your ref.

電話 :
Tel.
傳真 : 2824 0578
Fax.

7 July 2022

**Approval of "NEOPERL" Flow Controller
(General Acceptance No. C20220611)**

Your letters ref. FY220512B and FY220614A dated 12 May 2022 and 14 June 2022 respectively refer.

Having considered the test report ref. REIA053A issued on 11 May 2022 by Ideal Test Consultants Ltd., this Authority accepts that the fitting described below complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Neoperl GmbH

Country of Origin: Germany

Brand: Neoperl

Details of Fitting: Flow controller

Model: NP-40.1059.000

Body Markings: 

Expiry Date: 11 April 2027



This Authority hereby permits the use of the above fitting in fresh water plumbing systems subject to full adherence to Waterworks installation requirements.

A condition of this acceptance is that the fitting to be installed shall be replicas of the sample as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fitting installed fails to meet that of the approved sample or if the fitting is found to be unsuitable for use in fresh water plumbing systems.

For the use of the fitting in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fitting by this Authority.

Should you have any enquiries, please contact our Engineer Ms Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(YAU Hau Yin)

for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
 ME/MC] - with soft copy only



NP-40.1059.000



水務署
Water Supplies Department

總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (12) in WSD 3321/2023 T/J(454/2023)
Our ref.
來函檔號 :
Your ref.

電話 :
Tel.
傳真 : 2824 0578
Fax.

1 August 2023

E&I International Limited
Room 5-7, 8/F., Block B,
Chung Mei Centre,
15 Hing Yip Street, Kwun Tong,
Kowloon, Hong Kong

Dear Madam,

**Approval of "TUCAI" Flexible Hoses
(General Acceptance No. B20230007)**

Your letter ref. CT230503A dated 3 May 2023 and subsequent submissions received by this department up to 10 July 2023 refer.

It is noted that the fittings described below have been accepted by the United Kingdom Water Regulations Advisory Scheme (WRAS) to have complied with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations / Scottish Water Byelaws when correctly installed. This Authority accepts that the fittings described below based on the WRAS certificate comply with, and their use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Ningbo Tucai Flexible Pipe Co Ltd
Country of Origin: the Mainland of China
Brand: Tucai
Details of Fitting: Polyethylene terephthalate braided inlet flexible hose for tap/mixer

Model & Size:

Model	Bore Size	Size of End Connections
PULLOUT PEX BL DN6	DN6	H1/2 conical, H1/2 ET, H1/2 UJ, H3/8 UJ, H3/8 Captive nut, H1/2 Captive nut, H11x1 Captive nut, M15X1, M10X1, M12X1, M14X1, M15X1 with 'O'-ring, LISO 10, CLIP 10, CLIP 11, CLIP 15, G3/8 BSP, M16x1, M16x1 with 'O'-ring, M18x1.5, M18x1.5 with 'O'-ring, M22x1, CLIP 14, 1/2-18UNS, 11/16-16 UNS
PULLOUT PEX BL	DN8	H1/2 conical, H1/2 ET, H1/2 UJ, H3/8 UJ, H3/8 Captive nut, H1/2 Captive nut, H11x1 Captive nut, M15X1, M10X1, M12X1, M14X1, M15X1 with 'O'-ring, LISO 10, CLIP 10, CLIP 11, CLIP 15, G3/8 BSP, M16x1, M16x1 with 'O'-ring, M18x1.5, M18x1.5 with 'O'-ring, M22x1, CLIP 14, 1/2-18UNS, 11/16-16 UNS

Body Markings: TUCAI, NT, WRAS and date of manufacture (YY) on ferrule.

WRAS Approval Number: 2201334

Installation Requirements: R001
(Appendix A of WRAS approval letter refers)

Expiry Date: 31 January 2027

In view of the acceptance by WRAS, this Authority has no objection to the use of the said fittings in fresh water plumbing systems subject to full adherence to Waterworks installation requirements. In particular, you are required to draw your customers' attention to the following installation requirements –

“Installation shall comply with the ‘Installation Requirements & Notes’ of the WRAS’s approval letter concerned.” AND

“The inlet flexible hoses are applied for the water tap or mixer connection only and installed in the fresh water plumbing systems.”

A condition of this acceptance is that the fittings to be installed should be replicas of the samples certified by WRAS and no modification should be made to the fittings. This acceptance may be withdrawn at any time if the standard of the fittings installed fails to meet that of the approved samples or if the fittings are found to be unsuitable for use in fresh water plumbing systems.

For the use of the fittings in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fittings by this Authority.

Should you have any enquiries, please contact our Engineer Ms Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(YAU Hau Yin)

for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only



This certifies that

TUCAI SA

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

**PULLOUT PEX BL (DN6 & DN8 BORE) RANGE OF PET
BRAIDED PEX LINED FLEXIBLE HOSES ASSEMBLIES
(FOR
SIZES COVERED BY THE SCOPE OF THIS APPROVAL
PLEASE CONSULT THE WRAS ONLINE DIRECTORY AND/OR
ACCOMPANYING WRAS APPROVAL LETTER**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

January 2027

Certificate No.

2201334

A handwritten signature in blue ink, appearing to read 'Ian Hughes', with a stylized flourish at the end.

Ian Hughes,
WRAS Approvals Manager