
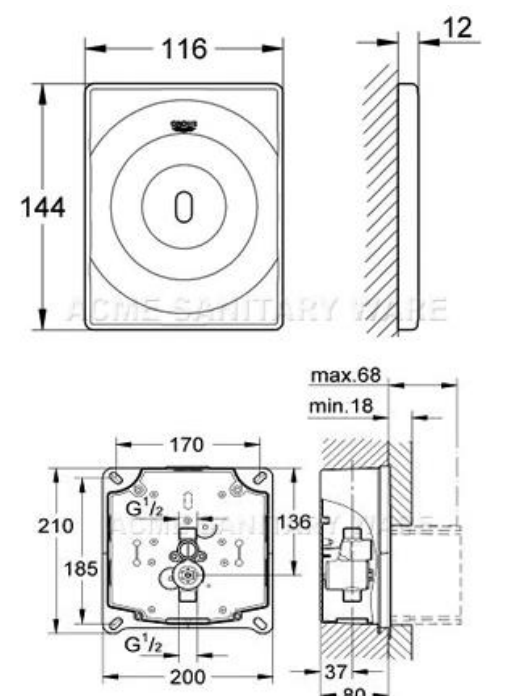




PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

SANITARY WARE SPECIFICATION SHEET

Item Descriptions	GROHE (Germany) "Tectron Surf" Infra-red electronic for Urinal with GROHE Rapido U Mounting Box (DC Supply) ; nominated flow rate 1.2 L/cycle in WELS Grade 1 ; Registration No. 1U 20-0019	Illustration/ Drawing
Dimensions	L116 x W12 x H144 mm	
Model	37337001 (Infra-red Electronic) 38787000 (Mounting Box)	
Finish	Chrome Plated	
Manufacturer	GROHE Limited	
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012	
E-mail	acme@acmesanitary.com.hk	
Website	www.acmesanitary.com.hk	
37337001 Tectron Surf Infra-red electronic for urinal with infrared sensor for bi-directional communication for monitoring, configuration and service purpose 6 V lithium-battery, type CR-P2 battery lifetime: approx. 7 years (150 actuations a day) GROHE StarLight finish cartridge with solenoid valve and dirt strainer front plate 116 x 144 mm flow pressure min 0.5 bar operating pressure max 10 bar infra-red control multistage battery status display 7 pre-set programs: auto flush cleaning mode pre-flush on/off additional functions and precise settings by remote control 36 407 adjustable flow time by hand or remote set for final installation for Rapido U or Rapido UMB CE approved	38787000 (Mounting Box) GROHE Rapido UMB roughing-in set for urinal for manual actuation or Tectron infra-red electronic 6 V water group with stop valve flow pressure min 0.5 bar operating pressure max 10 bar flush aid functional unit checked ex factory water supply connections 1/2" outer thread installation box with gasket fixing points for dry cladding and masonry-in shortable inspection shaft incl. protection during construction phase for sets for final installation with dimensions 116 x 144 mm Wait time after flushing 5s Minimum delay (2 – 10 s, adjustable) 7s Detection zone according to Kodak Gray Card, grey side, 8x10", landscape: 75 cm Type of protection - Fitting IP 59K - Transformer IP 55	

* All information of the above is for the reference only. No prior notice is made if any changes.

註冊號碼 (Registration No.):

1U 20-0019



自願參與用水效益標籤計劃 - 小便器用具
Voluntary Water Efficiency Labelling Scheme - Urinal Equipment



茲證明
This is to certify that

將下列小便器用具在本計劃內註冊：
has registered the following urinal equipment under this scheme:

牌 子 / Brand	:	Grohe
型 號 / Model	:	38.787.000 + 37.337.001
種 類 / Category	:	1
原產地 / Country or Region Origin	:	Germany

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	
沖水量 <i>Water Flush Volume</i>	:	1.2	公升/循環 <i>litres/cycle</i>

簽發日期：
Date of Issue: 4 September 2020

 水務署
Water Supplies Department



水務署署長(葉哲奇代行)
for Director of Water Supplies

* 上述小便器用具具有智能功能，並且能達至額外節省用水。
The above urinal equipment is operated with a smart demand operation to achieve additional water saving.



水務署

Water Supplies Department

香港灣仔告士打道七號入境事務大樓

Immigration Tower, 7 Gloucester Road, Hong Kong

電子郵件

e-mail

wsdinfo@wsd.gov.hk



圖文傳真
Facsimile

2824 0578

D 3321/16 Pt.1 T/J(939)

12 July 2016



Approval of "GROHE" Sensor Flush Valves

Your letters ref. WRC/114 7 dated 13 June 2016 and C-WSD/0211 dated 16 June 2016 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.

Name of Manufacturer: Grohe AG

Country of Origin: Germany

Brand: Grohe

Details of Fittings: Range of urinal flush valves and operating members, with brass bodies and EPDM rubber seals. The valves are actuated either via a solenoid valve and infra-red sensor. Maximum working pressure 10.0 bar. For cold water use only.

Model: 38.787.000 + 37.337.001 / 37.324.001 / 37.324.SD1

Size: ½" BSP male inlet and outlet, or ½" BSP female inlet x ½" BSP male outlet.

Marking: Grohe on operating members

WRAS Approval Number: 1604023

Installation Requirements: R001, R075, R120

Expiry Date: 30 April 2021

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

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

“Installation of filter before flushing valve is required. Without the filter, the flushing valve is liable to leak. The installed filter need frequent inspection and cleaning to maintain flushing supply. Normally only public toilets with good management system for maintenance would be considered.”

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

“The design flushing volume of the flushing valve should be compatible with the toilet bowl to ensure that effective clearance can be achieved by a single flush of water.”

“Flushing valve should be used within the range of working pressures specified by the manufacturer.” AND

“Installation of electronic opening and closing sanitary tapware should also comply with the requirements of Electrical & Mechanical Services Department.”

A condition of this acceptance is that the fittings to be installed should be replicas of the sample 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 sample or if the fittings are found to be unsuitable for use in flushing water supply plumbing systems.

For the use of the fittings in any project, the Acceptance Reference Number at the bottom 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 Mr Terry KUNG at tel. no. 2294 2656.

Yours faithfully,



(LAM Ching Man)
for Water Authority

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