



水務署
Water Supplies Department

總部 Headquarters

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本署檔號 : (6) in WSD 3321/19 T/J(826/2019)
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13 March 2020

**Approval of "STERN" Sensor Flush Valve
(General Acceptance No. B20200020F)**

Your letter ref. HX/W/2166/19 dated 9 August 2019 and subsequent clarification by email on 3 March 2020 refer.

It is noted that the fitting described below has 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 fitting described below based on the WRAS certificate complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Y Stern Engineering (1989) Ltd

Country of Origin: Israel

Brand: Stern

Details of Fitting: 'Prox and Wave' range of sensor operated flow control devices incorporating solenoid valves with acetal bodies and EPDM rubber diaphragms. Maximum working pressure 8.0 bar. Maximum operating temperature 70°C.

Model: Prox Sensor Kit for Urinal

Size: 10mm spigot

Marking: *Stem* on sensor housing. Flow arrow on body.

WRAS Approval Number: 1906012

Installation Requirements: R001, R075, R120

Expiry Date: 30 June 2024

In view of the acceptance by WRAS, this Authority has no objection to the use of the said fitting in flushing water 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 tapwares should also comply with the requirements of Electrical & Mechanical Services Department.”

A condition of this acceptance is that the fitting to be installed should be replicas of the sample certified by WRAS and no modification should be made to the fitting. 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 flushing 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 Mr. Terry KUNG at tel. no. 3583 4086.

Yours faithfully,



(CHAN Chung-kun)

for Director of Water Supplies

Encl.

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



Prox Sensor Kit for Urinal