



# Nutek Systems

**Nutek Systems (HK) Limited**, Unit B, 13/F., Block A, Universal Industrial Centre, 23-25 Shan Mei Street, FO TAN, N.T., HONG KONG  
Tel: +852 2605 5736 Fax: +852 2692 0798 info@nuteksystems.com www.nuteksystems.com

TITLE : Testing of puddle flange


REFERENCE NO. : J 20860

SAMPLE DESCRIPTION : 50mm (2") Bronze tank connector (puddle flange) with screw ends; pressure rating PN16

SAMPLE SUBMITTED BY : Wah Hung Fire Prevention Equipment Co., Ltd  
Unit 14, 9/F Tonic Industrial Centre,  
Blk A, No.26, Kai Cheung Road, Kowloon Bay,  
Kowloon, Hong Kong

MANUFACTURER : Wah Nan Fire Fighting Equipment Co., Ltd

BRAND : Wah Hung

BODY MARKING :  DN50 X 600 PN16 BS143&1256

COUNTRY OF ORIGIN : China

MODEL : GMF-5024A

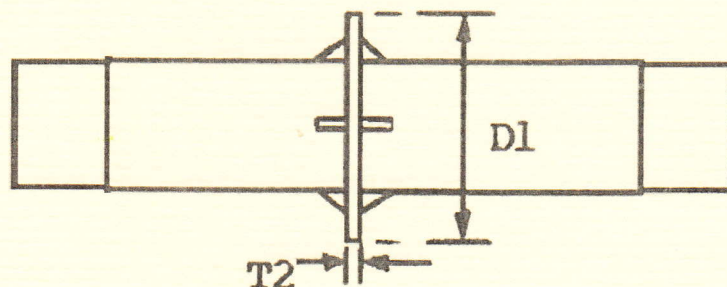
ITEM NO. : WH026A

METHOD OF TESTS : BS 143 & 1256: 2000 & BS EN 1982: 2008

PERIOD OF TESTS : 31<sup>st</sup> Aug., 2016 to 20<sup>th</sup> Oct., 2016

**RESULTS:** (this test report does not make any claims other than the reported results of the tested sample)

## 1. DIMENSIONS (in millimetres unless otherwise stated)



		Sample
Nominal size		50
Overall length		602.0
Body tube outside diameter, max.		62.6
Diameter of middle flange	D1	100.0
Thickness of middle flange	T2	7.0



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## 2. HYDROSTATIC PRESSURE TEST (BS 143 & 1256: 2000, Cl 12.5)

	Test pressure (bar)	Duration (s)	Remark
Test 1	20	60	Pass
Test 2	25	60	Pass
Requirement	20	60	/

Note : no leakage was detected during the above test.

## 3. CHEMICAL COMPOSITION

Component: Body

Designation: BS EN 1982:2008: CC491K

Composition(%)	Cu	Zn	Pb	Sn	Ni	Fe	Al
Body	85.1	5.5	4.0	4.9	0.3	0.2	<0.005
Requirement	83.0 - 87.0	4.0 - 6.0	4.0 - 6.0	4.0 - 6.0	max. 2.0	max. 0.3	max. 0.01
Remark	C	C	C	C	C	C	C

"C" - Comply

## 5. SUMMARY OF RESULTS (apply only to the sample tested)

Dimensions - As shown in section 1  
Hydrostatic Pressure Test - Satisfactory  
Chemical Composition - Satisfactory

Date: 4 Nov 2016 Authorized signature: Vincent Lok

Nutek Systems is a testing agency,  
approved by the Water Authority and  
Government Supplies Department, for  
testing water supply fittings.

**LOK K.W., Vincent**  
(Mechanical Engineer)





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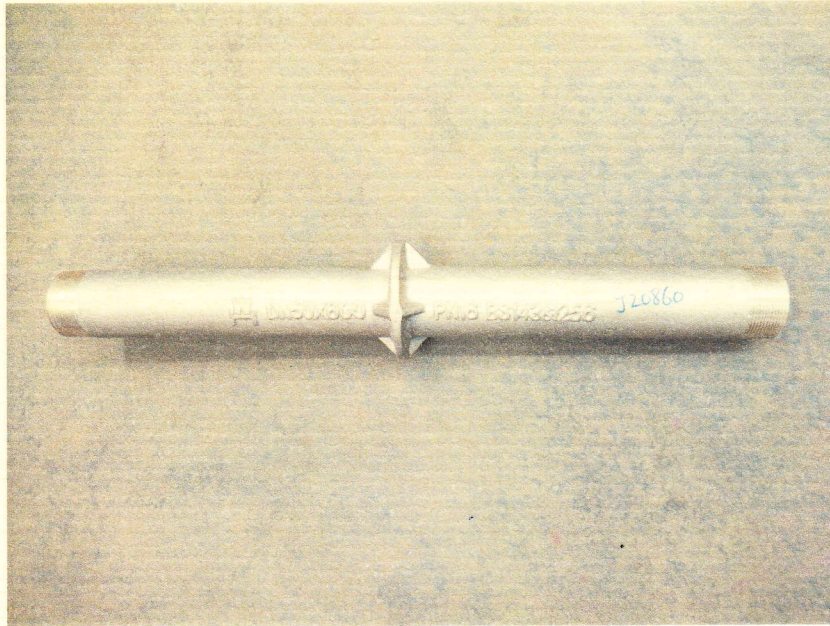


Figure 1 –50mm (2") Bronze tank connector (puddle flange) with screw ends