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TITLE : Testing of [illegible] Flange

REFERENCE NO. : [illegible]

SAMPLE DESCRIPTION : [illegible] Bronze [illegible] flange [illegible]
nos. of flanges: 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 : [illegible] DN[illegible] PN16 BS EN [illegible]

COUNTRY OF ORIGIN : China

MODEL : CMF-1024

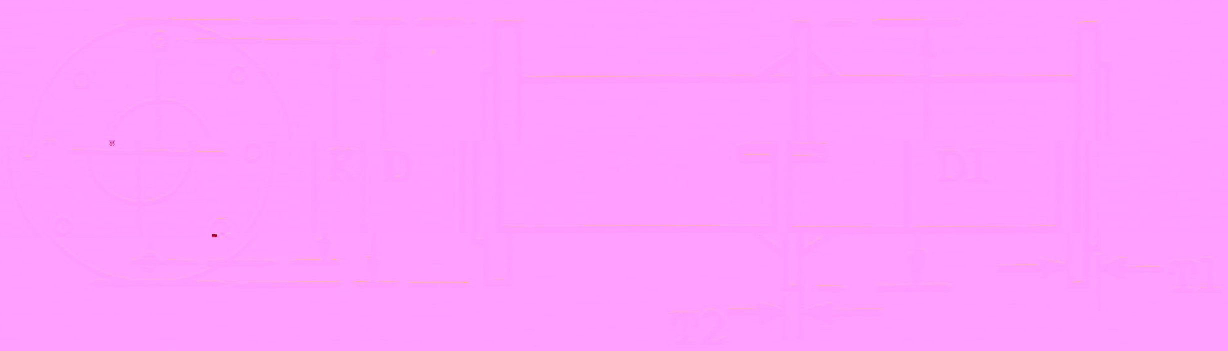
ITEM NO. : WH026A

METHOD OF TESTS : BS EN 1092-3:2003, BS EN [illegible] &
BS EN 1982: 2008

PERIOD OF TESTS : [illegible]

RESULTS: [illegible]

DIMENSIONS [illegible]



JOB REFERENCE: J 20858D

			Sample	BSEN Requirement (for PN16 integral flange)
Nominal Size			100	/
Overall Length			301.0	/
Body bore middle diameter, max.			117.0	/
Body internal diameter			100.0	/
Diameter of middle flange		D1	250	/
Thickness of middle flange		T2	10.8	/
End flanges	outside diameter	D	220.0	220 ± 1
	pitch circle diameter	K	180.0	180 ± 0.9
	thickness including raised face	T	21.3	20 + 2.5 − 0
	bolt hole diameter	L	18.5	18 + 0.8 − 0
	number of bolt hole	n	8	8

2. HYDROSTATIC PRESSURE TEST (BS EN 12266-1:2012 CL.4)

	Test pressure (bar)	Duration (s)	Remark
Sample	24	60	Pass
BS EN 12266 Requirement	24	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	85.7	5.0	4.5	4.5	0.1	0.1	<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

[redacted]

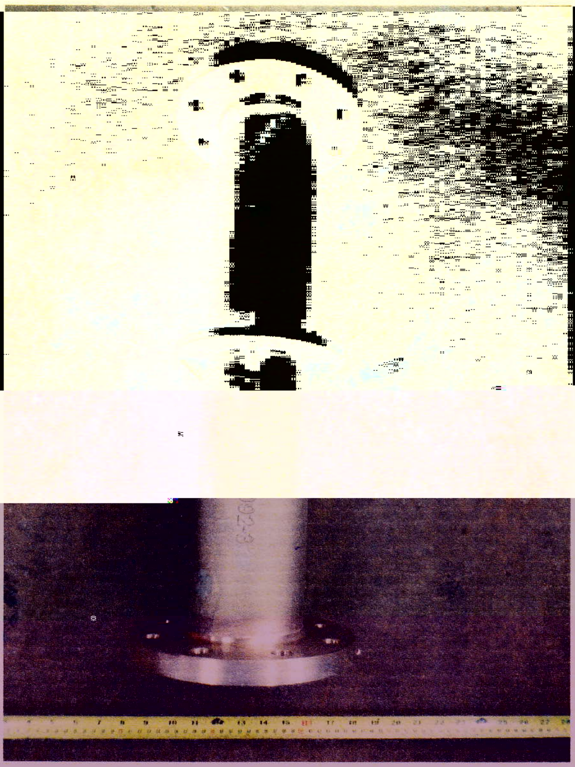


Figure 1 – 100mm (4") Bronze tank connector (puddle flange)