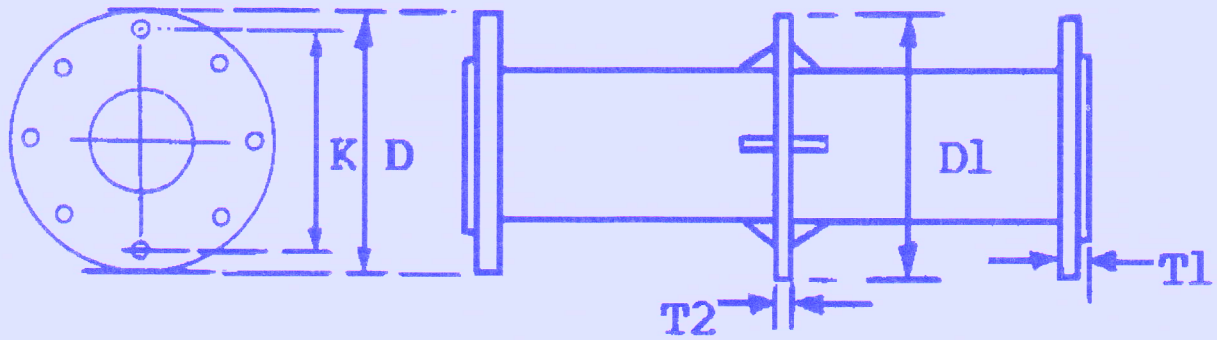
Nutek Systems

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TITLE	:	Testing of puddle flange
REFERENCE NO.	:	J 20858E
SAMPLE DESCRIPTION	:	150mm (6") Bronze tank connector (puddle flange) with three 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	:	DN150 X 600 PN16 BSEN1092-3
COUNTRY OF ORIGIN	:	China
MODEL	:	GMF-15024
ITEM NO.	:	WH026A
METHOD OF TESTS	:	BS EN 1092-3: 2003; BS EN 12266-1: 2012 & BS EN 1982: 2008
PERIOD OF TESTS	:	31st Aug., 2016 to 20th 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) (BS EN 1092-3: 2003);



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JOB REFERENCE: J 20858E

			Sample	BSEN Requirement (for PN16 integral flange)
Nominal size			150	/
Overall length			602.0	/
Body tube outside diameter, max.			169.0	/
Body internal diameter			150.0	/
Diameter of middle flange		D1	252.5	/
Thickness of middle flange		T2	11.9	/
Outermost flanges	outside diameter	D	285.0	285 ± 1
	pitch circle diameter	K	240.0	240 ± 0.9
	thickness, including raised face	T1	23.3	22 + 3.5 - 0
	bolt hole diameter	/	23.0	22 + 1.3 - 0
	number of bolt hole	/	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 CC491K (CuSn5Zn5Pb2)

Composition(%)	Cu	Zn	Pb	Sn	Ni	Fe	Al
Body	85.2	5.2	4.2	4.6	0.2	0.2	<0.005
Requirement	83.0-87.0	Rem.	3.5-5.0	4.0-6.0	max. 2.0	max. 0.4	max. 0.01
Remark	Conform	Conform	Conform	Conform	Conform	Conform	Conform

"Rem." = Remdy

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