Nutek Systems

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TITLE : Testing of puddle flange

[redacted]

JOB REFERENCE: J 20858F

			Sample	BSEN Requirement (for PN16 integral flange)
Nominal size			200	/
Overall length			602.0	/
Body tube outside diameter, max.			217.5	/
Body internal diameter			199.0	/
Diameter of middle flange		D1	302.0	/
Thickness of middle flange		T2	15.2	/
Outermost flanges	outside diameter	D	340.0	340 ± 1
	pitch circle diameter	K	295.0	295 ± 0.9
	thickness, including raised face	T1	27.0	26 + 5 - 0
	bolt hole diameter	/	23.0	22 + 1.3 - 0
	number of bolt hole	/	12	12

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

	Test pressure (bar)	Duration (s)	Remark
Test 1	24	120	Pass
BS EN 12266 Requirement	24	120	/

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	5.1	4.5	4.6	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

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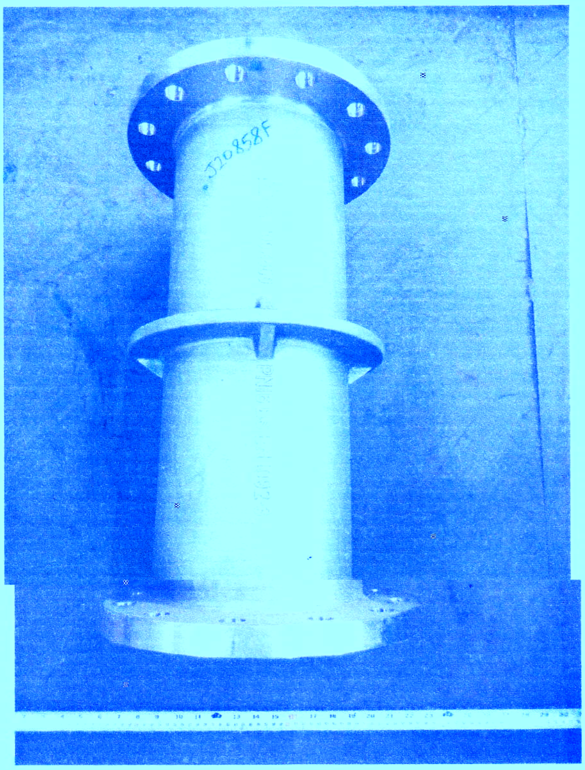

Figure 1 –200mm (8") Bronze tank connector (puddle flange)