

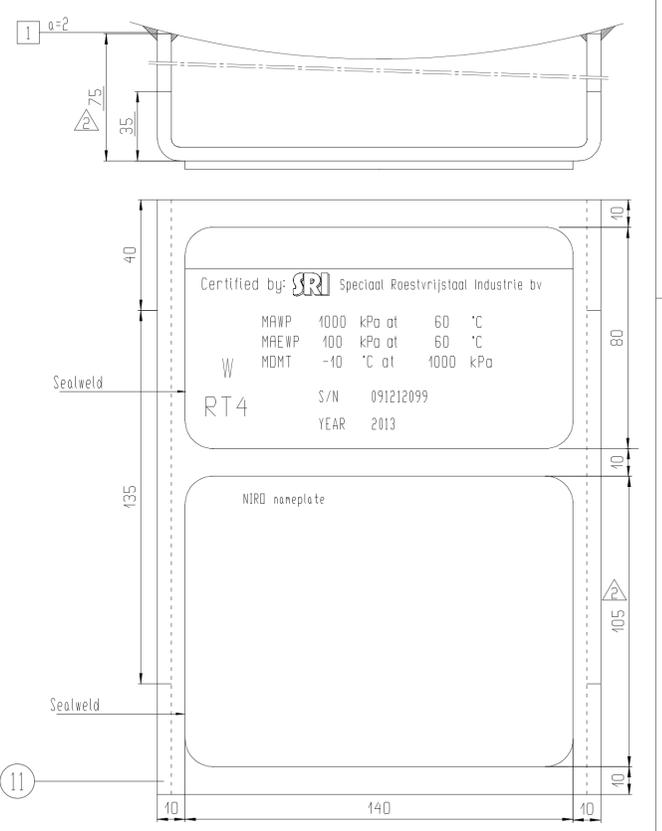
Design Code: ASME section VIII, division 1 2010 edition, addenda 2011 (with U-Stamp)
 Design covers only internal and external pressure as per UG-22(a)

General Data		
Description	Vessel	Units
Design Pressure	1000 / -100	kPa
Design Temperature	-25 / 95	°C
Working Pressure min/norm/max	0 / 6	Barg
Working Temperature min/norm/max	-10 / -5 / 60	°C
Test Pressure Hydr./Pneum.	13 / -	Barg
Test Temperature Min.	5	°C
Norm. Vac. Conditions	None	-
Contents	Coffee +Crystals	
Total Weight Empty	396	kg
Total Weight Full of Water	516	kg
Total Max Weight Operating	-	kg
Capacity	0.12	m3
Corrosion Allowance	0	mm
M.A.W.P.	1000 kPa at 60°C	
M.D.M.T.	-10°C at 1000kPa	
M.A.E.W.P.	1000kPa at 60°C	
Inspection by	L.R. Insurance Incorporated/Client	
Heattreatment	None	
N.D.T. Examination X-Ray	Spot + UV-11(a)(5)(b)	(%)
Out of Roundness Max.	UG79 Code / Client 4.5 mm	mm
Insulation	CDLD (Not by SRI)	mm
Impact Test Item -	Exempted as per UHA 51 d	°F
Joint Efficiency Shell/Head	0.85	
Finishing	Vessel Inside Ra < 0.8 Screw Mirrorpolished Ra=0.4m Outside pickled and passivated	
Main Material	AISI 304(L) Bolting A193 B8 Cl 1 Gaskets EPDM + FDA	

Additional Drawings and Specifications	
Drawing No./Spec. No.	Description
12099/C	Code strength Calculation
12099/W	WPS / PQR
12099/FIP	Inspection & Testing Plan
NR-0047.1-1	Shell & cover
NR-0047.2-1	Assembly bearings & filter
NR-0047.3-1	Scraper & lower bearing
NR-0047.4-1	Top bearing
NR-0047.5-1	Screw
NR-0047.6-1	Filter
Purch. Order No.	2722614 / 006161
Item No.	Production Vessel
Proj. No.	LUKE : 272.2.614
Proj. Location	-

Nozzle Data						
Mark	Numb.	Service	Nom. Dia.	Rate	Flange	Remarks
N1	1	Liquid + Crystals in	1.1/2" Ø43x4	PN75	15WH1	I-Line
N2	1	Liquid + Crystals out	2" Ø57x4.8	PN55	15WH1	I-Line
N3	1	Liquid out	2.1/2" Ø70x4.8	PN45	15WH1	I-Line
N4	1	Drain	1" Ø32x4.8	PN75	15WH1	I-Line
N5	1	Spare	2" Ø57x4.8	PN75	15WH1	I-Line
N6	1	Temperature Transm.	2" Ø57x4.8	PN55	15WH1	I-Line
N7	1	Agitator Drive	Ø200/145	MAWP	Special	BC-165 4xM10
N8	1	Bottom bearing	Ø200/145	MAWP	Special	BC-174 8xM12
N9	Pair	Main flange	Ø470/400	MAWP	Special	BC-440 20xM12

Remarks
 1. Clamped connections are according to WCB standard and comply with UG-11(a) and are suitable for the design condition



Rev.	Date	Description	Approved	Date
2	07-12-2012	Comments A.I. / Client		
1	05.11.12	Nameplate, topview added		
0	04.10.12	New Drawing	TH	04.10.12

UNLESS SHOWN ON DRAWING TOLERANCES ACC. TO ISO 2768 MSL FOR MACHINED PARTS

from	to	1/-	1/+
0.5	3	0.1	0.1
3	6	0.1	0.1
6	30	0.2	0.2
30	100	0.3	0.3
100	315	0.5	0.5
315	1000	0.8	0.8

Surface tolerance acc. to EN ISO 3290 for machined parts

Screwthread tolerance
 fine narrow rough
 NEN 1141, 1011, 1022, 1023

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Scale: 1:2.5
 Date: 04.10.12
 Drawn by: TH
 Approved by: JBU
 Welds and AP's RS
 Approved by: JBU
 Seen by: JBU

Order No. 0912 12099
SRI
 VEENWOUDEN - HOLLAND

Drawing No. NR-0047.0-1