NOZZLE CONNECTIONS

POS.	DESCRIPTION	DN	REMARKS
N1	LIQUID NITROGEN INLET	DN80	PN40–DIN2635
N2	GASEOUS NITROGEN OUTLET	DN300	PN40–DIN2635
N3	NATURAL GAS INLET	DN50	PN16–DIN2633
N4	WATER INLET	1"BSP	–
N5	WATER OUTLET/ DRAIN (2x)	DN50	PN16–DIN2633
N6	OVERFLOW / VENT	DN80	PN16–DIN2633
N7	BURNER EXHAUST	10"	PN10–DIN2576
N8	CONDENSATE DRAIN	1"BSP	–
N9	LEVEL SWITCH CONNECTION (3x)	3/4"BSP	–
N10	TEMP SWITCHES (9x)	½"BSP	–

GENERAL NOTES

MEDIUM : N_2
CAPACITY : 16.000 $Nm^3/hr.$
WATER TEMPERATURE : 60°C

COIL:

DESIGN PRESSURE : 16 BAR
MAX. WORKING PRESSURE : 16 BAR
TEST PRESSURE : 23 BAR WITH WATER
MIN./MAX. WORKING TEMP. : −196°/+80°C
DESIGN TEMP. : −196°/+80°C
CONTENTS : ±320 LTR.
CORROSION ALLOWANCE : 0
WELDING DETAILS : ACCORDING TO WPS 91.06.01
MATERIAL COIL : AISI−316(L)
WELDING CONSUMABLE MAT. : ER 308 LSi
MATERIALDOCUMENTATION : ACCORDING TO EN 10204 − 3.1.B
NON DESTRUCTIVE TESTING : 10% X−RAY
DESIGN NORM : ACC. TO ASME SEC VIII, DIV 1, 1998
WELDS PICKLED AND PASSIVATED

VESSEL:

DESIGN PRESSURE : ATM.
TEST PRESSURE : HYDROSTATIC WITH WATER
MIN./MAX. WORKING TEMP. : 0°/+80°C
DESIGN TEMP. : 0°/+80°C
CONTENTS : ±17.500 LTR.
MATERIAL : AISI−304(L)
WELDS PICKLED AND PASSIVATED
VESSEL PROVIDED WITH INSULATION 120 MM ROCKWOOL AND STUCO PLATE

WEIGHTS

VAORISER TANK	: 4000 kg
INSULATION + STUCCO PL.	: 1000 kg
COVERS	: 500 kg
GAS COIL	: 1200 kg
BURNER COIL	: 1550 kg
VENTILATOR	: 500 kg
MIXER (3x100kg)	: 300 kg
GAS BURNER (3x130kg)	: 390 kg
PLATFORM+ROOF+LADDER	: 275 kg
CONTROL PANEL	: 250 kg
PIPING & MISCELLANEAOUS	: 285 kg
TOTAL WEIGHT (APPROX.) EMPTY	: 10250 kg
TOTAL WEIGHT (APPROX.) FILLED WITH WATER (NLL)	: 28150 kg

REMARK:
* FOR P&ID SEE DRWG CN4518−2

TOP VIEW A−A

SECTION B−B

SECTION C−C

SIDE VIEW

VIEW D−D

SECTION E−E

NR.	QUANT.	NAME/DESCRIPTION	DRWG.	MATERIAL		REMARKS
D		PIPE SUPPORTS N2 INLET, CHIMNEY, INSP. HATCH, N2 OUTLET PIPE		A.B.	JK	18−11−2004
C		POSITIE N5 / N10 AANGEGEVEN		M.D.	PvT	03−11−2004
B		SEVERAL CHANGES		M.D.	PvT	27−09−2004
E		AS BUILT		RSB	CE	12−01−2005
REV.		DESCRIPTION		DRWN	CHK.	DATE

INDIRECT FIRED WATER BATH VAP.
GENERAL ARRANGEMENT

DRWN.: M.D. | SCALE: 1:20
CHECKED: | DATE: 08−09−04
CAD NR: H:\...\...\A3R.dwg

cryonorm
CRYONORM BV
P.O. BOX 1
5047 GH ALPHEN A/D RIJN
THE NETHERLANDS
TEL. +31 (0)172−413060
FAX. +31 (0)172−439898
WWW.CRYONORM.NL

CN4185−1

REPLACES:
COPYRIGHT CRYONORM bv

D:\TACON FILE No: P041585.001