

Steel Mesh -  
Horizontal  
Small Case

REBREATHER PERFORMANCE

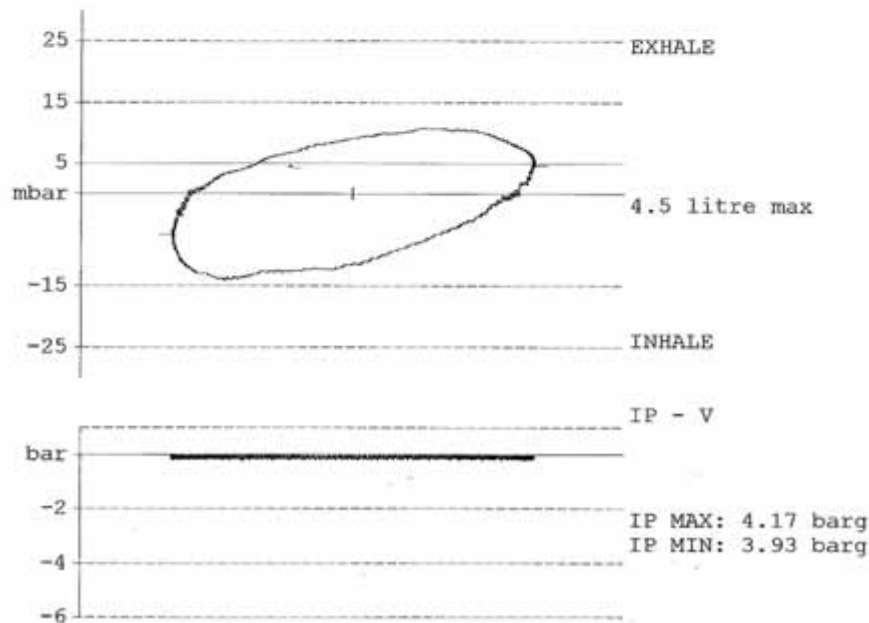
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CERTIFICATE REFERENCE : LSTF-000954  
DATE : 03/01/2005 TIME : 15:20:56

EQUIPMENT  
REBREATHER TYPE : DELTA P OUROBOROUS MK2  
SERIAL NUMBER : 1  
GAS MIXTURE : AIR DIL / O2

CONDITIONS OF TEST  
ROOM TEMPERATURE : 18.0 C  
WATER TEMPERATURE : 4.7 C  
EXHALE TEMPERATURE : 11.7 C  
HP SUPPLY PRESSURE : 4.0 barg  
TIDAL VOLUME : 3.00 litre BREATH RATE : 24.77 bpm  
VENTILATION RATE : 74.3 lpm

RESULTS  
PRESSURE @ START INHALE = 4.73 mbar  
INHALE REF PRESSURE = -14.06 mbar  
INHALE PRESSURE = 18.79 mbar  
PRESSURE @ START EXHALE = -6.60 mbar  
EXHALE REF PRESSURE = 10.80 mbar  
EXHALE PRESSURE = 17.39 mbar  
PEAK TO PEAK PRESSURE = 24.86 mbar  
EXT WORK OF BREATHING = 1.70 J/l  
POS REF WORK = 0.02 J/l  
NEG REF WORK = 0.02 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 40.0 msw (131.1 fsw)



REMARKS : CL SPACER IN/IMMERSED / 0 PITCH / 0 ROLL

LSTF-0009

REBREATHER PERFORMANCE

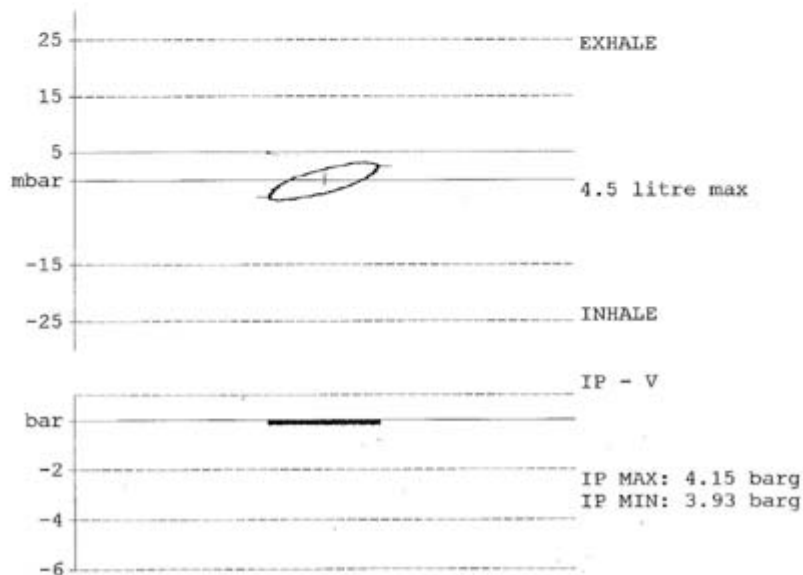
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 CERTIFICATE REFERENCE : LSTF-000950  
 DATE : 03/01/2005 TIME : 15:10:25

EQUIPMENT  
 REBREATHER TYPE : DELTA P OUROBOROUS MK2  
 SERIAL NUMBER : 1  
 GAS MIXTURE : AIR DIL / O2

CONDITIONS OF TEST  
 ROOM TEMPERATURE : 18.0 C  
 WATER TEMPERATURE : 4.7 C  
 EXHALE TEMPERATURE : 10.5 C  
 HP SUPPLY PRESSURE : 4.1 barg  
 TIDAL VOLUME : 1.00 litre BREATH RATE : 15.00 bpm  
 VENTILATION RATE : 15.0 lpm

RESULTS  
 PRESSURE @ START INHALE = 2.48 mbar  
 INHALE REF PRESSURE = -3.62 mbar  
 INHALE PRESSURE = 6.10 mbar  
 PRESSURE @ START EXHALE = -2.99 mbar  
 EXHALE REF PRESSURE = 3.12 mbar  
 EXHALE PRESSURE = 6.12 mbar  
 PEAK TO PEAK PRESSURE = 6.75 mbar  
 EXT WORK OF BREATHING = 0.34 J/l  
 POS REF WORK = 0.02 J/l  
 NEG REF WORK = 0.03 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 39.8 msw (130.7 fsw)



REMARKS : CL SPACER IN/IMMERSED / 0 PITCH / 0 ROLL

LSTF-0009

REBREATHER PERFORMANCE

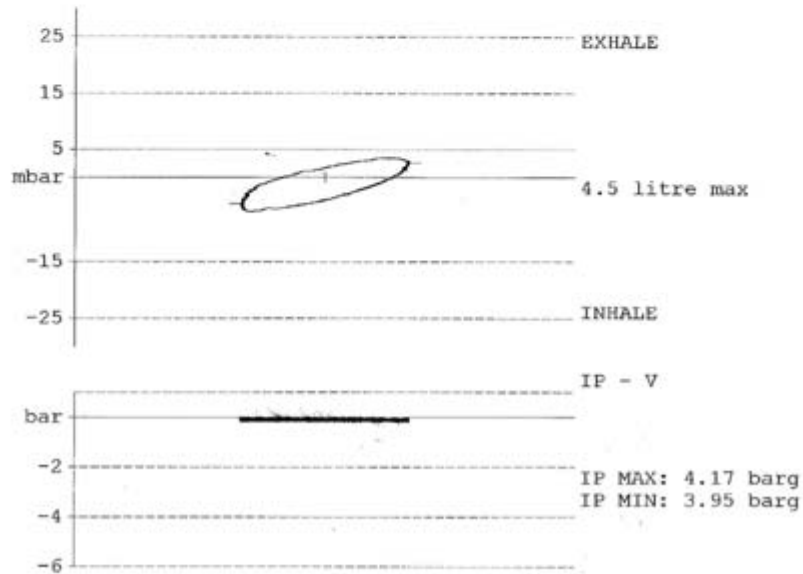
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 CERTIFICATE REFERENCE : LSTF-000951  
 DATE : 03/01/2005 TIME : 15:13:51

EQUIPMENT  
 REBREATHER TYPE : DELTA P OUROBOROUS MK2  
 SERIAL NUMBER : 1  
 GAS MIXTURE : AIR DIL / O2

CONDITIONS OF TEST  
 ROOM TEMPERATURE : 18.0 C  
 WATER TEMPERATURE : 4.7 C  
 EXHALE TEMPERATURE : 10.4 C  
 HP SUPPLY PRESSURE : 4.0 barg  
 TIDAL VOLUME : 1.50 litre BREATH RATE : 15.00 bpm  
 VENTILATION RATE : 22.5 lpm

RESULTS  
 PRESSURE @ START INHALE = 2.69 mbar  
 INHALE REF PRESSURE = -6.07 mbar  
 INHALE PRESSURE = 8.76 mbar  
 PRESSURE @ START EXHALE = -4.65 mbar  
 EXHALE REF PRESSURE = 3.57 mbar  
 EXHALE PRESSURE = 8.22 mbar  
 PEAK TO PEAK PRESSURE = 9.64 mbar  
 EXT WORK OF BREATHING = 0.50 J/l  
 POS REF WORK = 0.02 J/l  
 NEG REF WORK = 0.04 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 40.0 msw (131.1 fsw)



REMARKS : CL SPACER IN/IMMERSED / 0 PITCH / 0 ROLL

LSTF-0009

REBREATHER PERFORMANCE

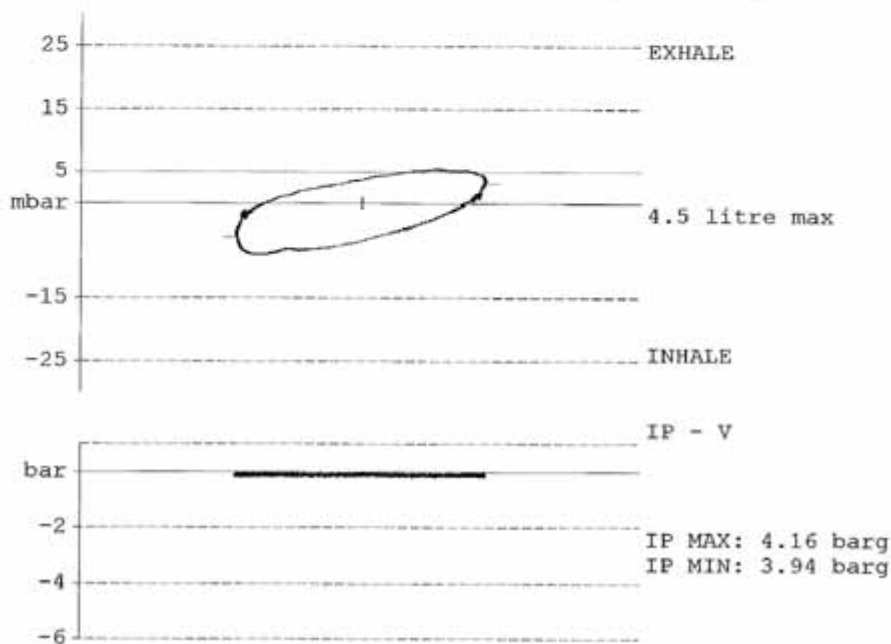
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 CERTIFICATE REFERENCE : LSTF-000952  
 DATE : 03/01/2005 TIME : 15:16:09

EQUIPMENT  
 REBREATHER TYPE : DELTA P OUROBOROUS MK2  
 SERIAL NUMBER : 1  
 GAS MIXTURE : AIR DIL / O2

CONDITIONS OF TEST  
 ROOM TEMPERATURE : 18.0 C  
 WATER TEMPERATURE : 4.7 C  
 EXHALE TEMPERATURE : 10.8 C  
 HP SUPPLY PRESSURE : 4.1 barg  
 TIDAL VOLUME : 2.00 litre BREATH RATE : 20.21 bpm  
 VENTILATION RATE : 40.4 lpm

RESULTS  
 PRESSURE @ START INHALE = 3.34 mbar  
 INHALE REF PRESSURE = -8.13 mbar  
 INHALE PRESSURE = 11.47 mbar  
 PRESSURE @ START EXHALE = -5.30 mbar  
 EXHALE REF PRESSURE = 5.58 mbar  
 EXHALE PRESSURE = 10.88 mbar  
 PEAK TO PEAK PRESSURE = 13.71 mbar  
 EXT WORK OF BREATHING = 0.85 J/l  
 POS REF WORK = 0.02 J/l  
 NEG REF WORK = 0.02 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 39.9 msw (130.9 fsw)



REMARKS : CL SPACER IN/IMMERSED / 0 PITCH / 0 ROLL

LSTF-0009

REBREATHER PERFORMANCE

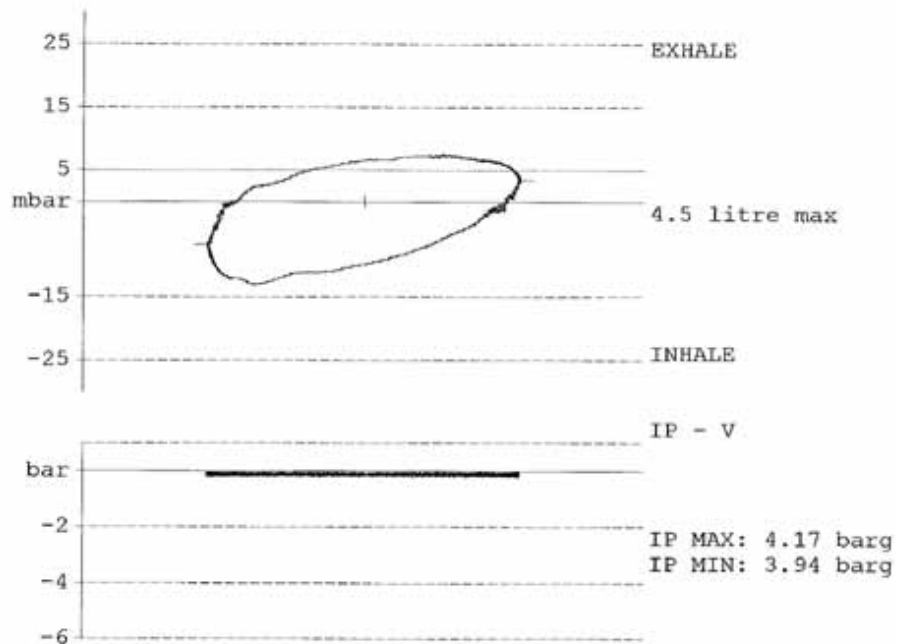
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 CERTIFICATE REFERENCE : LSTF-000953  
 DATE : 03/01/2005 TIME : 15:19:01

EQUIPMENT  
 REBREATHER TYPE : DELTA P OUROBOROUS MK2  
 SERIAL NUMBER : 1  
 GAS MIXTURE : AIR DIL / O2

CONDITIONS OF TEST  
 ROOM TEMPERATURE : 18.0 C  
 WATER TEMPERATURE : 4.7 C  
 EXHALE TEMPERATURE : 11.5 C  
 HP SUPPLY PRESSURE : 4.0 barg  
 TIDAL VOLUME : 2.50 litre BREATH RATE : 24.94 bpm  
 VENTILATION RATE : 62.3 lpm

RESULTS  
 PRESSURE @ START INHALE = 3.48 mbar  
 INHALE REF PRESSURE = -13.12 mbar  
 INHALE PRESSURE = 16.60 mbar  
 PRESSURE @ START EXHALE = -6.79 mbar  
 EXHALE REF PRESSURE = 7.58 mbar  
 EXHALE PRESSURE = 14.37 mbar  
 PEAK TO PEAK PRESSURE = 20.70 mbar  
 EXT WORK OF BREATHING = 1.39 J/l  
 POS REF WORK = 0.01 J/l  
 NEG REF WORK = 0.03 J/l

PRESSURE - VOLUME DIAGRAM AT DEPTH OF : 39.9 msw (130.8 fsw)



REMARKS : CL SPACER IN/IMMERSED / 0 PITCH / 0 ROLL

—LSTF-0009

**Anstl Test Systems - INSPIRED CARBON DIOXIDE**

Date : 05/08/04  
Time : 16:29:49  
Duration (hh:mm:ss) : 04:06:33  
Test Type : CANISTER DURATION  
Equipment Type : DELTA P OUROBOROUS - STD VANE CANISTER MOD  
Serial Number : No 1  
Remarks : 15m/40lpm/0.5%SE CO2= 3hr30min / 1.0% SE CO2 = 4hr02min

