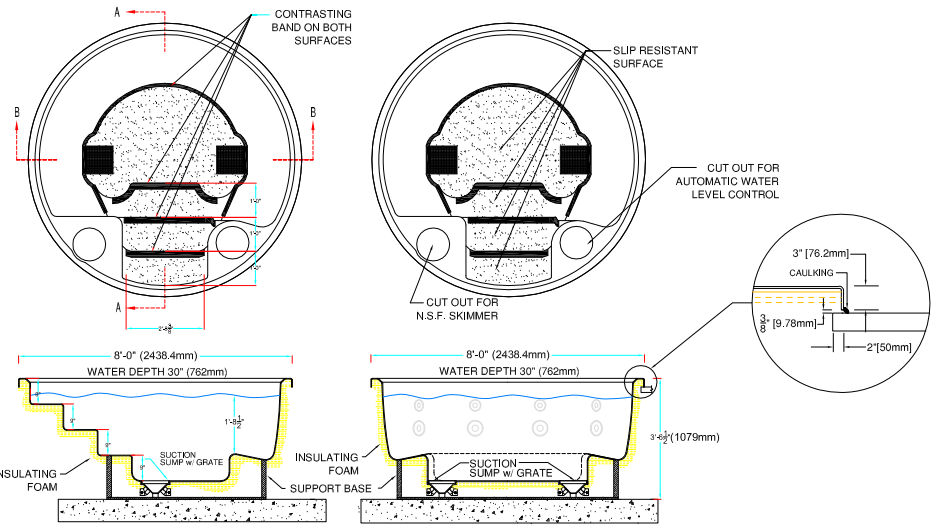
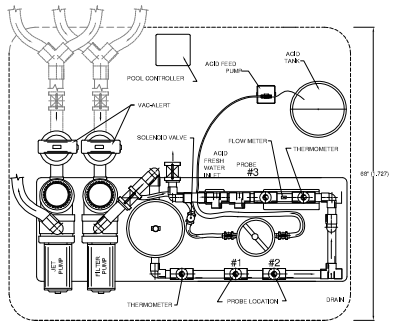
SHELL DIMENSIONS

Dimensions differ between Spas. Exact measurements should be obtained from purchased Spa.

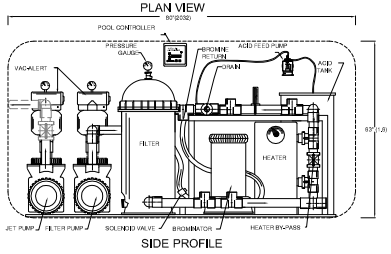
DIAMETER	HEIGHT	VOLUME:	SHELL WEIGHT EMPTY	SHELL WEIGHT FULL	SURFACE AREA
96" [243.8cm]	42.5" [107.95cm]	@550 Gl / 2082 Lt	900 lbs / 408 kg	4558 lbs / 2067 kg	44 sq.ft [4.10sq.m]

All equipment UL and UL-C approved.
All fittings N.S.F. and ANSI/ASME LISTED.





PLAN VIEW



SIDE PROFILE

SPECIFICATIONS

1.1 The shell of the hot tub shall be manufactured of vacuum formed acrylic (.187 sheet) in one of two colours; Biscuit (Ivory Bone), Caribbean Quarite (Medium Blue). Hot tub shell overall dimensions; 96" dia x 42.5" deep. See dimensional information on this sheet.

1.2 The acrylic shall be further reinforced with fiberglass resins but may require additional on-site bracing supports (customer's responsibility) under the steps and seats.

1.3 The shell shall have the following fittings:

8 Large hydrotherapy jets
8 Medium hydrotherapy jets
1 Wide mouth skimmer, (N.S.F. Listed)
2 Bottom drain sumps with 2 9" x 9" removeable grates. All suction fittings are VGB 2008 Approved (ANSI/ASME 112.19.8-2007) (Addendum 8a-2008) as per sec1404 of VGB 2008
2 Air control valves
1 Water level tank fitting with remote water level control tank
3 Filtered water return inlets

1.4 The hot tub will be Insulated with a coating of polyurethane foam, factory plumbed and hydrostatically tested.

1.5 Recommended HCSP 2-3 mechanical support system will be shipped on a separate plastic base and shall consist of:

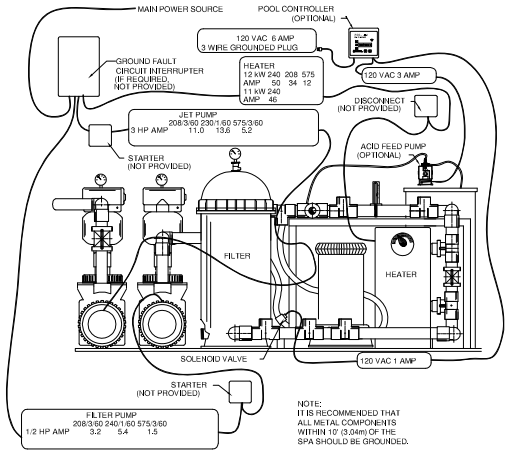
QTY.
1 1/2hp filter pump (N.S.F. Listed)
1 100 sq.ft. cartridge filter 9N.S.F. Listed)
1 3 hp hydrotherapy booster pump (N.S.F. Listed)
1 11kW or 12 kW electric heater c/w flow switch
2 Inline thermometers c/w thermowell
1 Inline flowmeter
1 Link Chemistry Controller *
1 Brominator (N.S.F. Listed) with normally closed solenoid valve *
1 Acid feed pump with 15 gal solution tank c/w lid *
1 10 Minute timer for jet pump c/w contactor
1 Water level controller with overflow (located at the shell)
2 VA2000 Vacuum Release devices (ASME A112.1917-2002 Listed) *

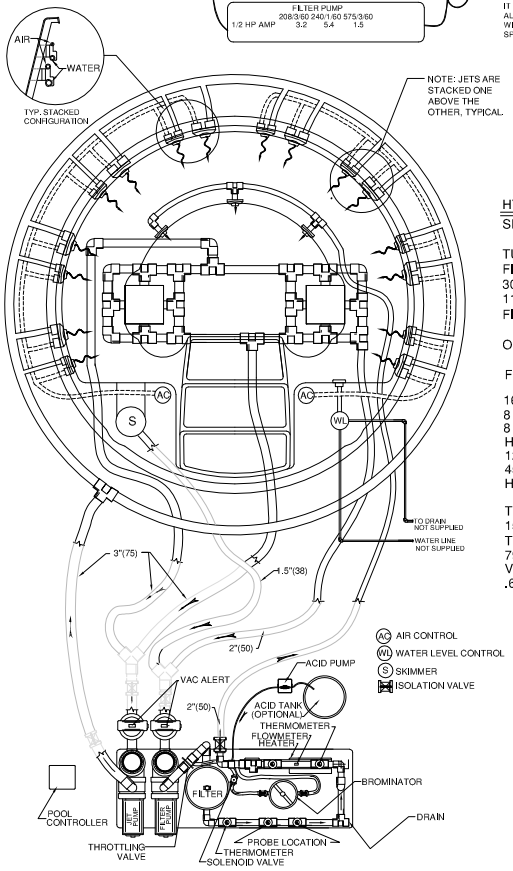
1.6 Optional handrail with anchor and escutcheon plates or deck flange.

1.7 Warranties shall be 5 year on the shell structure, 2 years on the acrylic surface and one year on the plumbing, mechanical equipment and accessories. On-site plumbing is NOT covered.

1.8 Installation items NOT covered by this specification and considered "by others" are
Plumbing between the spa shell and mechanical equipment location.
Electrical connections, motor, heater and component connections including motor starters and grounding of all electrical components.
Decking and access steps including deck drains.
Supports under the seats and steps of the shell.

* Innclucded with standard equipment package, optional with economy equipment package.





HYDRAULIC DESIGN

SPA VOLUME 437 usg
1653 Litre
TURNOVER 15 minutes
FILTER FLOW RATE
30 usgpm @ 60' T.D.H.
113.5 LPM @ 17.92 M hd
FILTER AREA 100 sq.ft.
9.281 sq.m.
OPERATING @.300 usgpm/sq.ft.
@ .20 L / S/ M.^{2}
FILTER PUMP 1/2 hp

16 HYDROTHERAPY FITTINGS
8 LARGE OPERATING @ 10 usgpm/ 37.8 Lpm
8 SMALL OPERATING @ 5 usgpm/ 18.9 Lpm
HYDROTHERAPY FLOW RATE
120 usgpm @ 60' TDH
454.2LPM @ 17.92 M hd
HYDROTHERAPY PUMP 3 hp

TOTAL FLOW RATE
150 usgpm/567.8 Lpm
TOTAL OPEN AREA OF MAIN DRAINS
79.8 sq.in./ 514.8sq.cm.
VELOCITY THROUGH MAIN DRAINS
.66 ft.sec/ 0.2012 m. sec

HydroTher

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No.	Date	Description
		Revisions

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Project

Title: Model H – 800 C
VGB Model

Drawn By	smb
Scale	n.t.s.
Date	Feb 3/09
Ch'd By	dp
Job No.	8002009

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