

ANSI-7 Suction Outlet Safety Compliance Data Sheet

(One sheet for each drain or set of drains in the system)

Job Name: _____

Address: _____

THIS DATA IS FOR THE: POOL _____ AUXILIARY (Spa, Feature(s) etc.) _____

SUCTION OUTLET(S)

Are there drains: yes _____ no _____ (if no, go to trunk & return pipe size)

Single unblockable _____ Two or more _____

(if single unblockable, indicate make, model & flow rating then go to trunk & return pipe size)

Drain make & model: _____

Listed cover flow rate: _____ gpm

SYSTEM FLOW RATE

System flow rate: _____ gpm

Method of determining system flow:

_____ Maximum flow from the pump curve

_____ Total dynamic head calculation (attach calculation sheet)

_____ Simplified total dynamic head (attach pipe length + filter + heater resistance)

PUMP SELECTION

Pump make & model: _____

(attach pump performance curve, indicating flow as calculated above)

PIPE SIZE

Branch piping size _____ inch @ 6 fps or lower

Trunk line size _____ inch @ 8 fps

PIPE SIZE SUMMARY – THIS JOB - PER THE APPLICABLE STANDARD:

Suction side filtration branch piping size =	_____ in.	per ANSI-15 or 7 @ 6 fps
Suction side filtration trunk line piping size =	_____ in.	per ANSI-15 or 7 @ 6 fps or 8 fps
Return side filtration branch piping size =	_____ in.	per ANSI-15 @ 8 fps
Return side filtration trunk line piping size =	_____ in.	per ANSI-15 @ 8 fps
Auxiliary drain branch suction line piping size =	_____ in.	per ANSI-7 @ 6 fps
Auxiliary drain trunk suction line piping size =	_____ in.	per ANSI-7 @ 8 fps
Auxiliary return line piping size =	_____ in.	per ANSI-5 @ 10 fps

Vacuum line, if installed shall be sized to flow at 8 fps per ANSI-5 and shall be covered with a self-closing, self-latching cover per ANSI-7.

ANSI-15

Swimming Pool Energy Efficiency Compliance Information

NOTE: These Requirements apply ONLY to the Filtration Pump

Project Name: _____

Address: _____

Flow Calculations per Standard - Pool water volume _____ ÷ 360 = _____ gpm = calculated flow rate.

Note: for pools under 13,000 gals. the calculated flow rate or 36 gpm whichever is greater = the filtration flow rate.

Is there an Auxiliary load on the filtration pump? Yes _____ No _____

If so, what is the calculated auxiliary flow rate _____ gpm

Maximum Flow Rate _____ gpm (greater of the filtration flow rate or the auxiliary flow rate if the auxiliary flow is powered by the filtration pump).

Minimum suction side filtration pipe size @ 6 fps _____ in. Minimum suction side branch pipe size @ 6 fps _____ in.

Minimum return side filtration pipe size @ 8 fps _____ in. Minimum return side branch pipe size @ 8 fps _____ in.

Note: pipe sizing requirements apply ONLY to filtration piping – do not apply to auxiliary load piping.

Pipe Size:	1.5"	2"	2.5"	3"	3.5"	4"	5"	6"
Nominal GPM @ 6 fps	38	63	90	138	185	238	374	540
Nominal GPM @ 8 fps	51	84	119	184	247	317	499	720

Filter type _____ Size _____

Minimum Filter Area per filter factor in the Standard _____ x .375 = _____ gpm (max. flow through filter)

Factor = Filter Area x .375 (cartridge) or - x 2.0 (D.E.) or - x 15 (Sand)

Backwash valve? Yes _____ No _____ (If yes, must be 2 inch minimum)

Pump Selection as Listed on (circle one) Curve A (less than 17,000 gal.) or Curve C (greater than 17,000 gal.)

Make: _____ Model _____

Flow Rate: _____ gpm @ _____ rpm. (flow rate must be ≤ maximum filtration flow rate)

Pump Controls - Filtration pump has no auxiliary load – standard time clock _____

Filtration pump with auxiliary load – Control model for low speed default within 24 hr. _____

Heater Model _____

Gas Heater efficiency rating _____ (No Pilot Light)

Heat Pump efficiency C.O.P. _____

Equipment Piping – minimum 4 pipe diameters in front of pump and minimum 18" after filter for future solar.
Directional return fittings will be installed.

I affirm that the information above is true and correct: _____

Contractor Signature