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**FUNSTATE POOLS INC**  
CONTRACTOR

**Worksheet showing data for compliance with ANSI/APSP-15**

Owner: MAH KARTON

Address: 171 Ansley PL

Lot: 23

**ANSI 15 Filtration Flow**

Area:

Volume of Pool Area 520 x Avg Depth 4.75 = Vol in CF

Vol in CF x 7.48 gal/CF = 18470 GALLONS

Calculate Maximum Filtration Flow Rate: Pool Volume/ 360 =

51 GPM [if <13,000 MAY use 36 gpm]

**ANSI 15 Auxiliary Flow**

Calculate Maximum Auxiliary Load Design Flow Rate:

Number Spa Jets X 7 to 15 GPM =

MAY USE LESS THAN THIS MAXIMUM  
IF AT LEAST ANSI 5 12 HR TURNOVER

GPM

Or Water Feature Flow:

GPM

**ANSI 15 Flow**

**ANSI 15 Flow:**

ACTUAL TURNOVER AT ANSI 15 FLOW=        HR

IF LESS THAN 12 HR MEETS ANSI 5

GPM [maximum ANSI 15 Filtration Flow, minimum 12 hour turnover]

**PUMP FROM APSP LISTING**

Select a pump with Curve A (pools <17,000 gal) or Curve C (pools >17,000 gal) flow equal to or less than **ANSI 15 Filtration Flow**. May select a multi speed pump with flows acceptable for the **ANSI 15 Auxiliary Flow**, with acceptable Curve A or C listed flows. Curve A or C flows listed have no relationship or requirement related to **ANSI 15 Auxiliary Flow**.

Pump Make & Model:

Pentair VS+SRS

Pump Flow Rate(s) from Listing: @ Low/Single speed

11 GPM, & @ High Speed

73 GPM

Pump Control: Filtration Pump has no auxiliary load:

N/A, time clock to be installed.

Filtration Pump with auxiliary load: Control for low speed default w/in 24 hrs: Pentair VS+SRS self contained program  
Make/model

**Size filter on "FILTRATION Flow"**

Filter Rates: Cartridge= 0.375 gpm/sf; Sand= 15 gpm/sf; DE= 2 gpm/sf

Filter size: ANSI 15 Flow 51 GPM / 375 gpm/sf = 136 SF Min Filter Size

[see pool plan for filter model or show here:

Sta-rite PLM ]

**ANSI 7 Flow** see Site Specific Information Sheet

**ANSI 5 Flow:** Depending on the pipe, use any of the ANSI 15 Filtration, or ANSI 15 flows or the flow at 60 ft TDH on the selected pump curve for the **ANSI 5 Flow**.

See flow vs velocity vs pipe size on Standard Engineering.

See summary of pipe sizes on ANSI 7 Site Specific Information Sheet

**HEATER MODEL:**

GAS HEATER EFFICIENCY RATING:

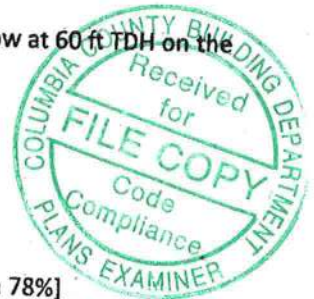
with no pilot light [min 78%]

HEAT PUMP EFFICIENCY C.O.P.:

[min 4.0]

CONTRACTOR SIGNATURE: [Signature]

DATE: 8/1/20



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**SITE SPECIFIC INFORMATION FOR COMPLIANCE WITH ANSI/APSP-7**

**METHOD OF DETERMINING ANSI 7 PUMP FLOW**

Max Flow from Pump Curve ☐

Pump Curve Attached ☐

Simplified TDH

Curve & Calc ☒

Detailed TDH

Curve & Calc ☐

SUCTION OUTLET FOR: **FILTRATION PUMP**

Manufacturer & Model

Pentair VS+SVRS

Pump Flow from Pump Curve with method indicated:

Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used:

GPM

Minimum Branch Pipe Size given flow at 6 FPS:

GPM

INCH

**LISTED SUCTION OUTLET COVER/GRATE- POOL OUTLET**

Number of Suction Outlets: 1

Manufacturer & Model:

CMP25506-320-000

APPROVED Maximum Outlet Flow (GPM)

Floor flow:

Wall flow:

**TRUNK/SUCTION PIPE SIZING- ANSI 7 FLOW**

Minimum Trunk Pipe Size given flow @ 8 FPS

Inch Pipe

SUCTION OUTLET FOR: **SPA**

Manufacturer & Model

Pump Flow from Pump Curve with method indicated:

Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used:

GPM

Minimum Branch Pipe Size given flow at 6 FPS:

GPM

INCH

**LISTED SUCTION OUTLET COVER/GRATE- SPA OUTLETS**

Number of Suction Outlets: 1

Manufacturer & Model:

APPROVED Maximum Outlet Flow (GPM)

Floor flow:

Wall flow:

GPM

**TRUNK/SUCTION PIPE SIZING- ANSI 7 FLOW**

Minimum Trunk Pipe Size given flow @ 8 FPS

Inch Pipe

ANSI 15 FLOW=

GPM

**OTHER PIPE SIZE SUMMARY**

PIPE SIZE "INCH"

FULL FLOW

SPLIT FLOW

SKIMMER SUCTION- ANSI 15 FLOW @ 6 FPS:

73.19

2"

FILTRATION RETURN SIDE-ANSI 15 FLOW @ 8 FPS:

73.19

2"

AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS:

MIN 1.5"

2<sup>nd</sup> AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS:

MIN 1.5"

OPTIONAL VACUUM OR SWEEP LINE- ANSI 5 FLOW @ 8 FPS:

TYP 1-1/2"

NOTES:

CONTRACTOR SIGNATURE: [Signature]

DATE:

8/1/20