Answer YES

Answer NO

Start

Are there Outlets?
Fully submerged suction outlet(s) located in the floor, on the wall or any skimmer equalizer fittings/lines

How many pumps does the outlet(s) use?

1

What is the Maximum System GPM of the single pump system?
(_____) GPM

+ 1

What is the Maximum combined GPM in the multi-pump pump system?
(____)+(____)+(____)=(____) GPM
Include ALL Pumps

Are outlets 24" X 24" or Larger?

Outside the scope of this standard.
Consult a Licensed Professional Engineer

Are all outlets listed to ASME/ANSI A112.19.8?

Does each Outlet have a Cover with a Flow Rate equal to , or greater than the *Maximum* **System** *GPM*?

Is each cover undamaged and without surface crazing,
Environmental / UV Degradation?

Any flat and flush mount covers smaller than
12" X 12"?

Is the Cover properly secured per the Manufacturer?

Secure Covers
Mounting rings and Hardware may require replacement to properly secure cover(s).

Is the Cover(s) mounted on a manufactured sump or fitting. If not is the clearance between the cover(s) and the pipe according to the cover Manufacturer's instructions, or at least 1.5 X the ID of the pipe

WARNING!
Suction Entrapment Hazard

Replace with Cover(s)
Listed by a Nationally recognized testing Laboratory in accordance with
ASME/ANSI A 112.19.8
Suction fittings for use in Swimming Pools, Wading Pools, Spas and Hot Tubs

NOTICE:
Do Not Use Flat Flush-Mount Cover/Grates

Each replacement cover must have a flow rating equal to or greater that the Maximum System GPM, or the Maximum System GPM may be permanently reduced below the cover flow rating by replacing the pump or permanently restricting the pump discharge flow, provided the maximum turnover time is not exceeded

Are there two or more outlets per pump(s)

Replace with appropriate cover and/or create compliant sump

VACUUM FITTING

Is there a dedicated Vacuum Cleaner Fitting?

Is there a fitting lid (cover) tested and listed by a Nationally Recognized Testing Laboratory in accordance with IAPMO – SPS 4?

Install or replace with fitting lid tested to: IAPMO – SPS 4

FINISH

Positively POOLS
We'll leave the swimming to you

Complete
GO TO VACUUM FITTING

Is the center to center distance between the suction pipes at least 36 – inches, or are the outlets on separate planes?

Is the Single Outlet:
- An Equalizer line piped through the 2nd port of a skimmer
- A Venturi debris removal system?
- A channel outlet at least 3" wide by 31" long?

WARNING! Suction Entrapment Hazard
Choose at least ONE option

Install additional ASME/ANSI A112.19.8 Outlet with the center to center distance between the suction pipes at least 36 inches, or on a separate plane

Convert suction outlet to return inlet by changing the piping, provided the system piping and skimmer(s) are capable of handling the full system flow

Convert to a Gravity flow system

Engineered vent systems

Install and Test.
Manufactured safety vacuum release system (SVRS)
Tested and listed for the purpose by a Nationally recognized testing Laboratory

Permanently disable the single outlet, provided the system piping and skimmer(s) are capable of handling the full system flow and minimum turnover rates are achieved

Complete **Go to Vacuum Fitting**