

North Texas Pool Service, Inc  
 1701 N Greenville Ave, #200  
 Richardson, TX 75081



Bierstadt Dr  
 Plano, TX 75023

Describe general condition in detail (Color, location, pattern, etc.)

White plaster with blue quartz in the finish. 4' crack in transition area from deep to shallow. Crack doesn't appear to be leaking visually but unable to dye test due to depth.

Pool is about 7 feet deep at it's deepest point. 100 perimeter feet. Cost to replaster pool in white plaster about \$3785. Cost for 50% quartz would be \$4675. After plaster care and chemical balance an additional \$500.

Current		Pool	Pool gallons ~22,000
Chemistry	ppm	Equipment	
CI	8.5	Pump –1.5HP Challenger	
pH	7.6	Filter type – PacFab Nautilus DE 48 sq ft.	
Alkalinity	70	Controller – Single Mechanical Timer with Freezeguard (PF1102T)	
Calcium	450		
CYA ACID	100		

**Water Chemistry**

Water is high in Chlorine, but otherwise being maintained well. Recommended Chlorine range is 2-4ppm. Readings over 5 can be irritating to skin. Alkalinity is a little low but that is just normal maintenance.

High CYA Acid and Calcium are indicative of 'old' water where not a lot of replacement water is being put in the pool. Both tend to accumulate in the water over time. Ideal readings are 200-400 for Calcium, and 30-50 for CYA. Low readings in either of these would tend to indicate leaks.

**Equipment**

The filter is leaking in multiple places and the shell itself has lost much of it's fiberglass covering. It will eventually break under the pressure of the pump. Also the internal parts probably have some defect which is putting DE on the bottom of the pool. The cost to replace the filter with a Pentair FN5P 48 sq ft filter is \$850 installed. This assumes we can reuse the backwash valve.

As an alternative, you could install a cartridge filter which would eliminate the need for the backwash line and DE. The Pentair 420 sq ft cartridge system (roughly equivalent size) is \$967 installed.

As discussed, the backwash line should ideally dump into the sewer line through an air relief.

One of the pool returns is broken off. Our price to replace this return is \$108. (1/2")

The flexible conduit going to the main pump is broken. Our cost to replace this conduit is \$115.

The light did not fire. Assuming bad bulb, cost to replace bulb and gasket is \$150.

My contact info is David Leach [david@northtexaspoolservice.com](mailto:david@northtexaspoolservice.com) 214-989-3888.  
 All prices plus tax. Our price for weekly service on this pool would be \$155 plus tax.