

The logo for Dynamic Descaler, with 'Dynamic' in red and 'Descaler' in blue, set against a background of a waterfall and mossy rocks.

# Dynamic Descaler

# The Perfect Solution To Your Water Scale Problems!

## Vacuum Pumps

In order to remove water scale, lime, mud and rust from the casting, rotor, hub, cones and associated piping of your equipment, the following steps should be used.

## Instructions for Dynamic Descaler Cleaning

1. Write down the "before" amperage readings, cfm at vacuum capacity and the vacuum in inches of mercury.
2. Take the unit out of service.
3. Remove the bottom drain plug and allow all water to drain from the pump casing. Replace bottom plug after the unit is drained.
4. Break seal on water piping and attach a pumping discharge hose.
5. Remove top plug and attach return hose between there and the recirculating bucket.
6. Insert "blanks" in flanges of discharge and suction piping.
7. Add prescribed quantity of **Dynamic Descaler** into the circulation loop.
8. In some instances, additional water may be required to maintain circulation.
9. Tighten vacuum pump and seal packing to minimize leakage.
10. After 15 minutes of **Dynamic Descaler** circulation, turn pump rotor 90 degrees by pulling on the drive belts or jacketing the starter switch.
11. Every 15 minutes thereafter, turn rotor 90 degrees to assure a thorough cleaning of interior part of you pump, including hub and rotor.
12. Continue the circulation of **Dynamic Descaler** for at least two hours or until the foaming stops. Lack of foam indicated depleted or clean equipment.
13. After several hours of circulation time, with intermittent turning of the rotor, the pump should be clean and rotor should turn freely.
14. Shut off the circulating pump and add flush water to the recirculation bucket.

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# Dynamic Descaler

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# Instructions for Dynamic Descaler Cleaning

15. Disconnect return hose and run to drain.
16. Restart circulation pump and flush until water runs clear.
17. Disconnect pump and all hoses. Remove all the "blanks" in the flanges and reconnect all piping.
18. Open seal water valve, start the vacuum pump and operate for 10-20 minutes to thoroughly flush the pump. During this time adjust the seal water rate to the manufacturer's recommendations. Also readjust the packing compression to the correct setting.
19. Return the pump to service.
20. After the unit has stabilized, write down the "after" amperage reading, cfm at vacuum capacity and vacuum in inches of mercury.
21. Compare the "before" and "after" readings to determine the effectiveness of **Dynamic Descaler** cleaning. Record all information for future reference to schedule next preventative maintenance cleaning.

## Nash Vacuum Pumps

HP	Amount of Dynamic Descaler
8	5.0 Gallons
10	7.0 Gallons
15	8.0 Gallons
25	8.0 Gallons
30	13.0 Gallons
45	18.0 Gallons
60	23.0 Gallons
80-120	27.0 Gallons
125-155	50.0 Gallons
160-225	60.0 Gallons
230-325	85.0 Gallons
350-450	110.0 Gallons
500-700	170.0 Gallons
700+	205.0 Gallons

## Nash Premier 2000 Pumps

HP	Amount of Dynamic Descaler
550	170.0 Gallons
600	210.0 Gallons
650	310.0 Gallons
750	420.0 Gallons
825	530.0 Gallons
1175	975.0 Gallons