

HOW TO PRESSURE WASH DI PIPE WITH PROTECTO 401™ AND/OR CEMENT LINING

RESEARCH-BACKED GUIDELINES

The Ductile Iron Pipe Research Association (DIPRA) and leading epoxy providers to the water and sewer industry participated in a pressure cleaning research program where field tests resulted in the development of verified guidelines for safe and effective pressure cleaning of the inside diameters of Protecto™ 401 lined and cement-mortar Ductile iron pipe. McWane Ductile is a participating member of DIPRA.

RECOMMENDED PROCEDURE IS AS FOLLOWS:

1. The nozzle shall be configured with fan jets only (no round jets).
2. The fan jets should be oriented at a maximum angle of 30 degrees to the pipe wall.
3. The nozzle shall be a minimum of 2-inches standoff from the pipe surface.
4. The nozzle assembly shall be self-rotating and incorporate a rotational control mechanism with a target speed of 30 rpm.
5. The water pressure at the nozzles shall be no more than 2500 PSI for Protecto 401-lined pipe and 1800 PSI for cement-lined pipe.
6. The nozzle assembly shall have non-abrasive wheels and/or UHMW (ultra-high molecular weight) polyethylene skids positioned so the nozzle assembly does not contact the lining of the pipe at any time.
7. The nozzle assembly shall continually move when pressure washing with no hesitation in the pipe.
8. All hose couplings, hoses, etc. shall be smooth to facilitate movement across the pipe joints without creating damage to the lining.



Photo shows Vactor Blue Twister Nozzle and appropriate assembly. Photo provided by the Ductile Iron Pipe Research Association.

Fan Jet Nozzle



FAN JET ONLY

Round Jet Nozzle



NO ROUND JET

For more detailed instructions and video, see our “How to Properly Pressure Wash Ductile Iron Pipe with Protecto 401™ and/or Cement Lining” blog at McWaneDuctile.com/Blog or contact your local sales representative. McWane Ductile does not warrant or guarantee the result or assume any risk associated with pressure washing.