

Operating Instructions for Protek “Selectable Gallonage” Nozzles

General Instruction:

- Maximum nozzle operating pressure is 200PSI (14 bar) 1400 kpa
- Optimum flow is achieved at 100PSI (7bar) 700 kpa at the nozzle
- At pressures below 100 PSI (7bar) the nozzle will deliver reduced flow and reach. Adequate flows and pressure should be maintained for relevant fire conditions
- Always open and close shut-off valve slowly. Sudden opening or closing of shut-off valves can cause water hammer and subsequent damage to hose or couplings
- Do not use the nozzle on electrical fires
- Do not over tighten the nozzle when connecting to fitting
- Do not alter the nozzle in any manner
- For use with water and fire fighting foam only

Operating Instruction:

- Open and close the shutoff slowly at all times
- To open the nozzle pull the “D” handle towards the inlet
- To close the nozzle push the “D” handle towards the outlet
- To change the spray pattern : rotate the bumper clockwise (right) for a straight stream and counterclockwise (left) for a wide homogenous fog pattern
- To change the flow setting : slowly rotate the flow selection ring to the required flow and adjust pump pressure to deliver 100 PSI (7bar) at the nozzle

- To flush the nozzle of any debris or blockages that have passed through the inlet screen, rotate the flow selection ring to the FLUSH settings and hold until blockage at the nozzle tip is removed

Maintenance

- Nozzles should be inspected before and after each use to ensure all parts are in a satisfactory working condition
- If any one of the following problems are encountered while in use the nozzle should be withdrawn from service and repaired
 - (1) Controls that are inoperable or difficult to operate
 - (2) Excessive wear
 - (3) Water leakage from joints
 - (4) Broken spinning teeth
 - (5) Loose or missing screws
- Periodically flushing the nozzle with clean water and remove any build up of dirt from the exterior of the nozzle
- If lubrication is required a good quality silicon based grease should only be used very sparingly. Too much grease will attract a build up of dirt and grit
- Regularly check any external screws for tightness, tighten as required with the addition of a good quality thread locker (ie Loctite262)