

## FLUSHING TEST DATA SHEET (SECTION 2-5)

**TEST I**

TEST ORDER	SECTION NO.	TESTING DESCRIPTION	WHO	DATE	RESULTS	SIGN OFF								
	<b>2-5</b>	<b>Flushing</b>												
		<p>All spray nozzles shall be designed to clear or flush the size of debris specified in Table 2-5 from the nozzle without shutting off the water to the hose. This can be accomplished either through the full open nozzle position or through a flush feature of the nozzle.</p> <p style="text-align: center;"><u>Table 2-5 Flushing Capability for Nozzles</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black;">Rated Discharge</td> <td style="border-bottom: 1px solid black;">Size of Steel Ball</td> </tr> <tr> <td>Up to 60 gpm (230 L/min)</td> <td>1/8 in. (3.18 mm)</td> </tr> <tr> <td>60-150 gpm (230-570 L/min)</td> <td>3/16 in. (4.76 mm)</td> </tr> <tr> <td>Over 150 gpm (570 L/min)</td> <td>¼ in. (6.35 mm)</td> </tr> </table> <p>Nozzles shall be designed to withstand a hydrostatic pressure of 900 psi (6205 kPa) or three times the maximum rated pressure, whichever is higher. The hydrostatic strength shall be confirmed by testing in accordance with Section 4-4.</p>	Rated Discharge	Size of Steel Ball	Up to 60 gpm (230 L/min)	1/8 in. (3.18 mm)	60-150 gpm (230-570 L/min)	3/16 in. (4.76 mm)	Over 150 gpm (570 L/min)	¼ in. (6.35 mm)	TIM	7/13/99	Pass.	TIM
Rated Discharge	Size of Steel Ball													
Up to 60 gpm (230 L/min)	1/8 in. (3.18 mm)													
60-150 gpm (230-570 L/min)	3/16 in. (4.76 mm)													
Over 150 gpm (570 L/min)	¼ in. (6.35 mm)													
	2-5.1	Nozzles shall be tested in accordance with Section 4-2 to verify compliance with Section 2-5.	TIM	7/13/99	Completed.	TIM								
	4-2	<b>Flush Test</b>												
		<p>Nozzles shall be held in the vertical position, discharge end down, with the nozzle in either the fully open or flush position. The appropriate size steel ball shall pass through the nozzle without changes in the control position. For discharges up to 60 gpm (230 L/min), a 1/8 in. (3.18-mm) steel ball shall be used. For discharges of 60 gpm to 150 gpm (230 L/min to 570 L/min), a 3/16 in. (4.76-mm) steel ball shall be used. For discharges greater than 150 gpm (570 L/min), a 1/4-in. (6.35-mm) steel ball shall be used.</p>	TIM	7/13/99	Satisfied. A one-quarter inch diameter steel ball passed through nozzle. Pass.	TIM								
	2-5.2	Nozzles equipped with a flush feature shall have a separate control or detent or require increased force to indicate to the fire fighter when the flush feature is being engaged.	TIM	7/13/99	Pass.	TIM								

NOZZLE SAMPLE INFORMATION:  
MODEL :HMD-VPGI  
SERIAL NUMBER:TFTH-303344

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