

**When less is more...**



**MID-MATIC & Mid-Force**  
**Automatic Nozzles**

**The Solutions For Your  
Intermediate Flow  
Attack Line Applications**



**800-348-2686**



## Why an automatic nozzle?

The best reason for buying an automatic pressure control nozzle is the same reason departments are buying automatic transmissions for their trucks. An automatic transmission is more efficient at getting the job done, takes less practice to use correctly, and makes the proper gear choice for the speed and power requirements. In a nutshell, it allows the driver to push the throttle harder to go faster and to let off to go slower. An automatic nozzle performs a similar function. It chooses the correct size nozzle "gallage setting" for the flow desired and then delivers that flow at optimum pressure. If more water is wanted, the firefighter simply opens the "throttle-shutoff". If less water is required the firefighter simply closes the "throttle-shutoff". The automatic nozzle takes care of all the hydraulics' calculations to make the stream right. All the pump operator has to do is supply enough pressure to deliver whatever maximum flow the fire department SOP's (standard operating procedures) require.

## Why a TFT automatic?

Task Force Tips is the inventor of automatic nozzle technology. Not from a laboratory or design room, but from actual fire experience. Over 70% of top management have real fireground knowledge, and 20% of ALL Task Force Tips' employees have "been there". All TFT nozzles are designed from YOUR point of view and with the benefits and features you need to be more effective. Our commitment to service and customer support has become the industry standard of excellence. Call your regional Task Force Tips' representative or your local distributor to see first hand why TFT is "Where New Ideas Flow!"™

# MID-MATIC

- |           |          |
|-----------|----------|
| ① HM-VPGI | ③ HM-TO  |
| ② HM-V    | ④ HM-STO |

Meets NFPA Flow Requirements  
 33% Lighter Than a Handline TFT  
 Flow Capacity of 70-200 GPM  
 Fits Easily In Narrow Crosslays  
 Turbulence Free Flow Control  
 Gasket Grabber Inlet Screen  
 Six Positive Detent Flow Positions  
 Fully Automatic Pressure Control  
 Flush Without Shutting Down  
 Molded Rubber Fog Teeth For Full Fill "Power Fog"  
 24-Hour Factory Service and Toll-Free Technical Support  
 FIVE-Year Warranty  
 Handle Covers Available in NFPA Colors To Identify a Nozzle With Its Discharge

# Mid-Force

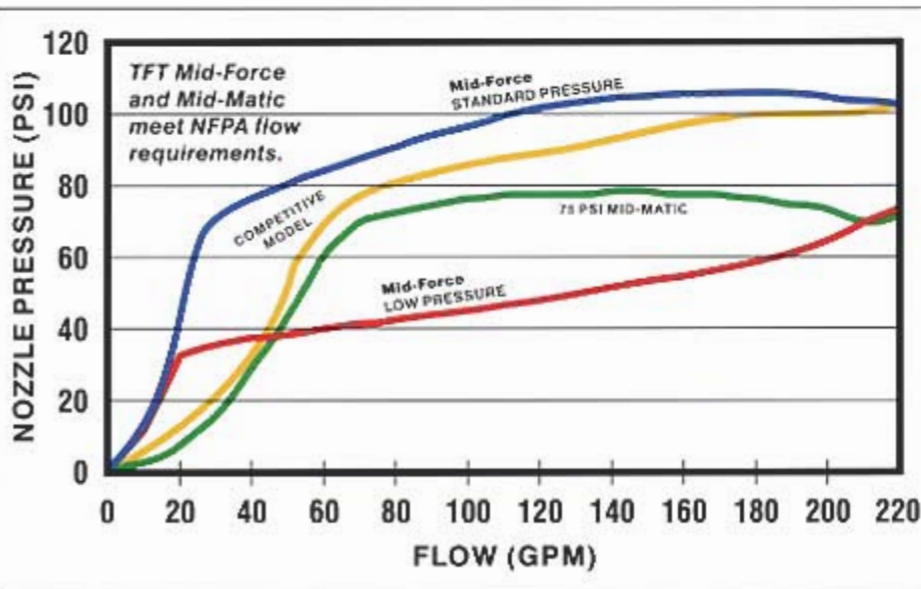
## Why the MID-FORCE Nozzle?

The MID-FORCE adds additional versatility to your attack lines with a dual pressure feature. When the situation demands the nozzle operate at a lower than standard pressure, the MID-FORCE can easily and quickly be switched to a low pressure illustrated in the flow graph below. Just a few of the situations that might call for the dual-pressure feature are: pumper breakdown, operating foam eductors with longer hose lines, high-rise applications or when pump pressures compatible with the 100 psi standard nozzle pressure cannot be developed. When proper pressure is restored, the nozzle can be quickly switched back to the standard operating pressure position.



- ① HMD-VPGI
- ② HMD-V
- ③ HMD-TO
- ④ HMD-STO

The Mid-Force style nozzle may be switched from the Standard 100 PSI operating pressure to Low Pressure.



NFPA #1964 (1998 Edition) 2-1.5 Constant pressure (automatic) spray nozzles shall maintain their rated pressure,  $\pm 15$  psi ( $\pm 103$  kPa) throughout the rated discharge range when tested in accordance with Section 4-1.



Lightweight and Compact



Fits easily in narrow crosslays.



Handline - Mid-Matic - Ultimatic

## SAFER FIREGROUND OPERATIONS WITH TFT'S NEW COLOR CODED HANDLES

NFPA 1901...A-4-9.3 Many fire departments have found it useful to color code the labels used to identify the various discharge and intake controls. While this process can simplify pump operations, it can also create confusion if a pattern is not followed on all apparatus in the department. For standardization, the following color code scheme is recommended for all new apparatus labels.

Preconnect #1 or Bumper Jump Line	Orange	Preconnect or Discharge #4	White
Preconnect or Discharge #2	Red	Discharge #5	Blue
Preconnect or Discharge #3	Yellow	Discharge #6	Black
		Discharge #7	Green
		Foam Line(s)	Red w/ White Border

### Mid-Force Flow And Nozzle Reaction Chart For Various Pump Discharge Pressures And Hoselays

BLUE = STANDARD 100 PSI RED = LOW PRESSURE

		1 1/2" HOSE			1 3/4" HOSE			2" HOSE											
		150 ft.	200 ft.	250 ft.	150 ft.	200 ft.	250 ft.	150 ft.	200 ft.	250 ft.									
PUMP DISCHARGE PRESSURE	50	21 8	55 17	21 7	50 16	21 7	46 14	21 8	65 21	21 8	60 19	21 7	54 17	22 8	82 27	22 8	75 24	22 8	68 22
	75	31 13	93 31	29 12	83 27	28 12	75 24	23 14	111 38	32 14	100 33	31 13	91 30	36 15	141 51	35 15	128 45	34 15	119 41
	100	65 30	121 42	59 27	107 36	55 25	97 32	72 34	114 52	67 32	129 45	63 29	117 40	84 41	184 72	79 38	167 63	75 36	153 56
	125	93 45	143 52	84 40	126 44	77 37	114 39	108 54	172 65	97 48	152 56	91 44	138 50	135 69	213 90	122 62	198 79	113 57	182 70
	150	117 59	163 61	105 52	143 52	96 47	130 46	141 72	195 77	125 63	174 66	114 57	158 58	196 101	---	168 87	220 95	151 78	205 84
	175	140 72	180 69	124 63	159 59	112 57	143 52	174 90	213 90	151 78	192 76	136 70	175 66	---	---	212 109	---	187 97	223 98
	200	162 84	196 78	141 73	173 66	128 65	156 58	204 105	228 102	175 91	207 86	157 81	189 75	---	---	---	---	222 113	---
	225	183 94	209 87	158 82	186 72	142 73	168 63	---	---	198 102	221 96	176 91	203 83	---	---	---	---	---	---
	250	202 104	221 96	174 90	198 79	155 80	179 69	---	---	218 112	---	194 100	215 91	---	---	---	---	---	---

**CAUTION:** Low Pressure mode will typically increase nozzle reaction.

- NOTE: (1) Number on top in each box indicates flow, and number on bottom indicates nozzle reaction.  
 (2) In Standard mode, the average nozzle pressure is 100 PSI.  
 (3) Flows may vary with brand or condition of hose.  
 (4) Flows are approximate and do not reflect losses in preconnect piping.

Your authorized distributor is:

