

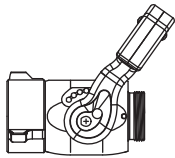


# Smooth Bore Insert Kits

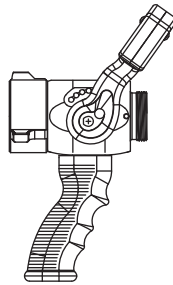
## #F140SBI

SMOOTH BORE INSERT KIT - a compact way to combine a smooth bore, shut off, and fog nozzle. TFT has reduced the weight and length of the total assembly by placing the smooth bore nozzle inside the actual ball valve. Comes standard with 7/8", 15/16", 1" and 1-1/8" (22mm, 24mm, 25mm and 28mm) smooth bore inserts.

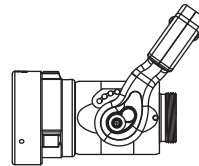
Smooth bore inserts are designed to fit detent series ball valves with snap ring grooves in the ball manufactured after January 2015 and newer. Models: H-VO, H-VOI, H-2VO and H-2VOI



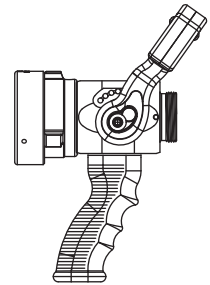
H-VO



H-VOI

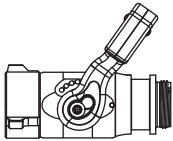


H-2VO

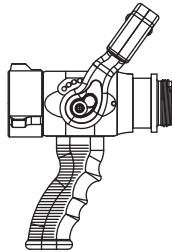


H-2VOI

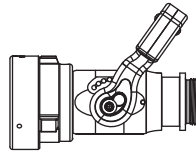
Smooth bore inserts are designed to fit Task Force Tips VIT series ball valves. Models: H-VIT, H-2VIT, H-VITG, H-2VITG, H-2VPPIT



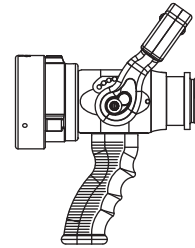
H-VIT



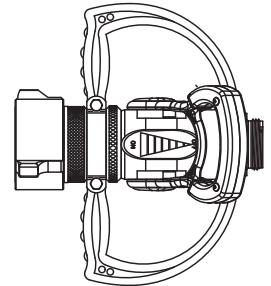
H-VITG



H-2VIT



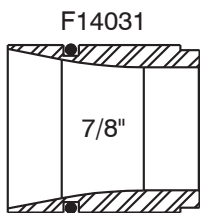
H-2VITG



H-2VPPIT

### CAUTION

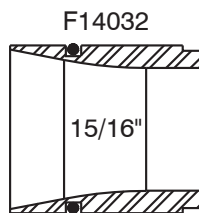
Waterway is restricted to a reduced size. Delivery of water is limited by size of insert used. When this device is used in-line to feed hose or nozzle, it will effectively change the size of the valve to the size of the installed insert.



PRESS. PSI	FLOW GPM
40	144
50	161
60	176
70	190
80	203

Maximum Recommended Fog Nozzle Setting

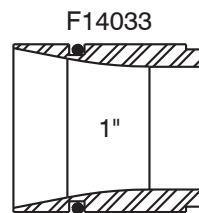
75 PSI	150 GPM
100 PSI	175 GPM



PRESS. PSI	FLOW GPM
40	165
50	185
60	202
70	218
80	234

Maximum Recommended Fog Nozzle Setting

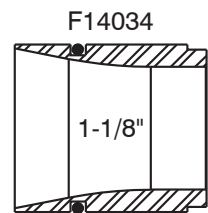
75 PSI	175 GPM
100 PSI	200 GPM



PRESS. PSI	FLOW GPM
40	188
50	210
60	230
70	249
80	266

Maximum Recommended Fog Nozzle Setting

75 PSI	200 GPM
100 PSI	225 GPM



PRESS. PSI	FLOW GPM
40	238
50	266
60	291
70	315
80	336

Maximum Recommended Fog Nozzle Setting

75 PSI	225 GPM
100 PSI	250 GPM

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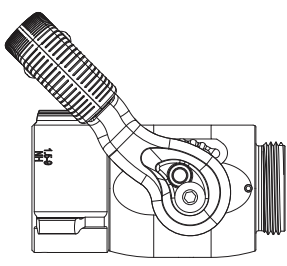
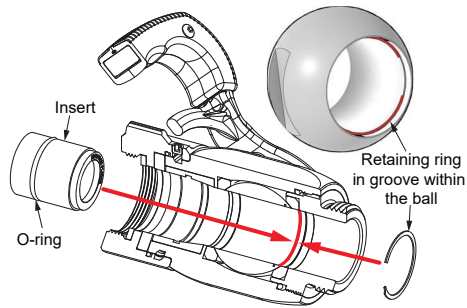
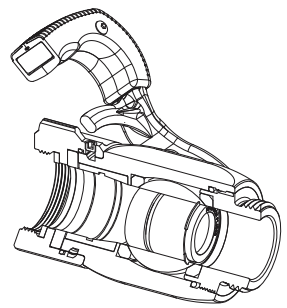
3701 Innovation Way, Valparaiso, IN 46383-9327 USA  
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# Instructions: How to Install

**Note:** When replacing an existing insert, open the valve and remove it through the rear of the nozzle prior to installation. Care must be taken not to mar the waterway or the insert during installation.

## VO MODELS

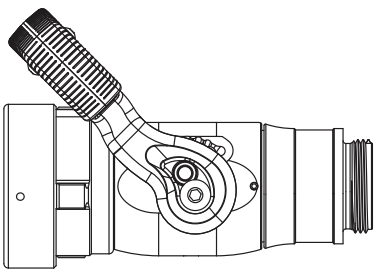
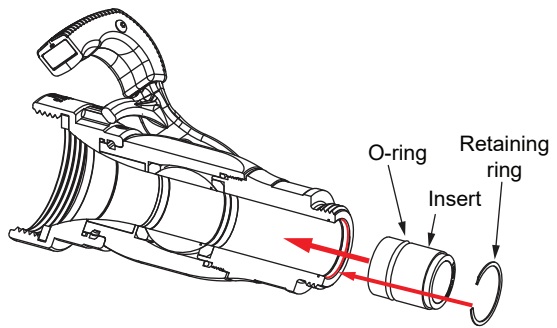
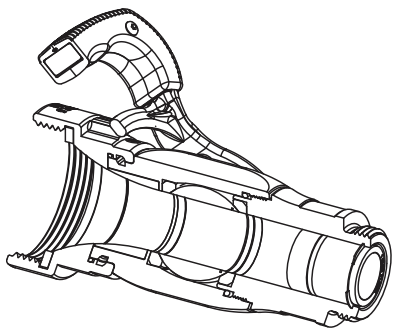
To Install Insert:

		
<ol style="list-style-type: none"> <li>1) Open valve fully.</li> <li>2) Apply lubricant to o-ring preinstalled on insert. We recommend DOW 112 (VSA-101).</li> </ol>	<ol style="list-style-type: none"> <li>3) Place retaining ring into groove in the valve ball nearest the discharge end of the valve.</li> <li>4) Slide insert, laser engraved end first, into ball from inlet end of valve until it comes in contact with retaining ring.</li> </ol>	<ol style="list-style-type: none"> <li>5) Cycle the valve to ensure proper installation.</li> </ol>

**Note:** When replacing an existing insert for VIT Models, it is easiest to remove the retaining ring and existing insert from the discharge end of the valve. Once removed, repeat the installation instructions for the new insert. Care must be taken not to mar the waterway or the insert uring installation.

## VIT MODELS

To Install Insert:

		
<ol style="list-style-type: none"> <li>1) Open valve fully.</li> <li>2) Apply lubricant to o-ring preinstalled on insert. We recommend DOW 112 (VSA-101).</li> </ol>	<ol style="list-style-type: none"> <li>3) Slide desired insert into the discharge end of the valve until the insert passes the ring groove. Laser engraving should face discharge end of valve.</li> <li>4) Place retaining ring into the groove in the front ring on the discharge end of the valve.</li> </ol>	<ol style="list-style-type: none"> <li>5) Slide the insert forward to retaining ring. Cycle the valve to ensure proper installation.</li> </ol>

**Operation:** Open valve fully to discharge solid stream, or use with combination nozzle on discharge of valve.