

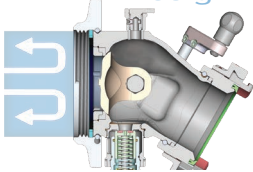
# MANUAL AND REMOTE CONTROL BALL INTAKE VALVE (BIV) MAXIMUM FLOW AND OPTIONS

TFT's BIV's are the ideal alternative to master intake valves integrated into the apparatus pump system because they eliminate the need for apparatus to be taken out of service for repair or maintenance of an intake valve. Units are constructed of stainless steel and lightweight, hard anodized and powder coated aluminum alloy. In addition, hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Models are available with a choice of manual or remote controls, a fast acting pressure relief valve, and a unique swiveling inlet.

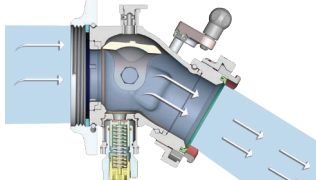


JUMBO  
LOW PROFILE BIV  
AXD1ST-NX-T

## Unique Valve Design



When the BIV is closed, the water stays on the pump side so the inside of your valve is dry at all times.



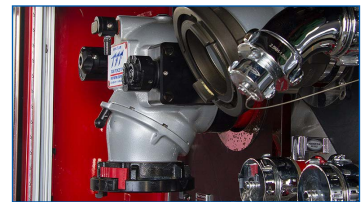
When the BIV is open, the valve completely swings to the side and provides high flow, because of the unobstructed waterway.

## Hundreds of Configurations



TFT offers a BIV solution for every application. Options include handle placement, inlet/outlet sizes, body profile, pressure relief, and remote control. Design your BIV to fit your unique apparatus.

## High Flow to Your Pump



Available in either 3.65" (97mm) or 5.25" (133 mm) waterway. The unobstructed waterway on a standard BIV with a 5" (125mm) coupling has only 11 psi loss at 2000 gpm (0.7 bar @ 7600 l/min) and there's only 3 psi of loss at 2000 gpm (0.2 bar @ 7600 l/min) for the Jumbo Valve series with a 6" (150mm) coupling.

## AB BIV Series

The series includes a 3.65" (93 mm) waterway and is designed for use with 3.5", 4", 4.5", 5" or 6" (89, 100, 115, 125 or 150mm) hose. A parallel shaft handle is available for a top mount control for minimal interference.

AB SERIES  
AB1ST-NX-PS



AB SERIES  
AB1ST-NX



## AP and AQ Jumbo Short BIV Series

TFT's Jumbo Short Ball Intake Valve has a huge 5.25" (133 mm) diameter waterway giving low friction loss to maximize flow. Friction loss is only 3 psi at 2000 gpm (0.2 bar @ 7600 l/min). This series is designed for use 3.5", 4", 4.5", 5" or 6" (89, 100, 115, 125 or 150mm) hose include a parallel shaft handle. AP models include a PRV (pressure relief valve) as standard.

ABS SHORT SERIES  
ABS1ST-NT



## ABS and ACS Short BIV Series

This series has a 3.65" (93mm) waterway and is designed for use with 3.5", 4", 4.5", 5" or 6" (89, 100, 115, 125 or 150mm). The compact design without a swiveling inlet elbow allows use in limited space, such as behind compartment doors. A parallel shaft handle is also available for a top mount control for minimal interference. ABS models include a PRV (pressure relief valve) as standard.

ACS SHORT SERIES  
ACS8NR-NX



**MADE IN USA**

**800 · 348 · 2686**

# VALVE (BIV)



AP JUMBO  
SHORT  
SERIES  
APIST-NX



AQ JUMBO  
SHORT VALVE  
SERIES  
AQ1ST-NX-PS



AX JUMBO  
SERIES  
AX1SX-NX-PS



AX JUMBO  
SERIES  
AX1SX-NX

## AXD Jumbo Low Profile BIV Series



AXD1ST-NX-F

These valves are the perfect choice for compact pump panel designs, measure less than 11" (29cm) deep. The models include a 5.25" (133mm) diameter waterway. This series includes an exclusive 10-year warranty from corrosion.

## AX Jumbo BIV Series

TFT's Jumbo Ball Intake valve has a huge 5.25" (133mm) diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm (0.2 bar @ 7600 l/min). Designed for use with 3.5", 4", 4.5", 5" or 6" (89, 100, 115, 125 or 150mm) hose. A parallel shaft handle is also available for a top mount control for minimal interference.



# BIV FEATURES INCLUDE



## Serial Numbering

TFT's serial numbering allows for easy asset management as well as specific information found quickly on [tft.com](http://tft.com)

## 360° Swiveling Elbow



Connecting the LDH is easier. The swivel allows the elbow to twist with the charging LDH from the fire hydrant.

## Remote Control or Manual Options



A remote controlled valve is available and with the touch of a button, the pump operator can open the valve.



## Gateable Valve with Position Indicator



You can feather the valve, if needed, during drafting operations or gate it to a needed position. The position indicator clearly shows CLOSED,  $\frac{1}{2}$ , and OPEN positions



## A Lifetime of Strength



The valve's aluminum alloy casting is hard coat anodized and powder coated to hold up against the harshest of climates and water quality.



**MADE IN USA**

**800 · 348 · 2686**