

## For Agricultural and Industrial Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# APEX™ XF Series

## XtraFlo® Armless Diaphragm Trough Valve

Sizes: ¾" – 1¾" (20 – 32mm)

The XtraFlo compact armless diaphragm valve has full-flow high volume fill with a water level differential between opening and closing reducing pump motor overload and electricity. The valve is livestock damage proof. For large troughs, this compact, armless diaphragm valve provides full-flow high volume fill and has a 1" (25mm) water level differential between opening and closing, which allows full-flow operation meaning the pump runs unrestricted until the trough is full.

### Features

- Backflow prevention top entry version available
- Armless – Less damage from stock (excluding top entry version)
- Full on, full off
- Bottom, side or top mount
- Long tail and top entry version available
- UV stabilized and corrosion resistant

### Specifications

In areas where the temperature can be lower than 1°C (minimum service temperature) trough valves must be installed as bottom or side entry but NOT top entry.

**Working Pressure:** 4 – 175 psi (30 – 1200 kPa)

**Maximum Water Temperature:** 140°F (60°C)

**Minimum Water Temperature:** 34°F (1°C)

**NOTE:** Top entry may require protection from stock.

### NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.



XF134 US



Top Entry Version  
Air gap provides  
back-flow prevention



### Patents

- New Zealand Patent No. 328862
- Australian Patent No. 736446
- RSA Patent No. 736446
- US Patent Pending

### Models

**Xtraflo**

**XF134 US** – 1" & ¾" NPT

**Xtraflo Longtail**

**XF114 US** – 1 ¼" NPT

**XF34LT US** – ¾" NPT

**Xtraflo Top Entry**

**XF1LT US** – 1" NPT

**XFTE34 US** – ¾" NPT

**XFTE1 US** – 1" NPT

**XFTE114 US** – 1 ¼" NPT

**Xtraflo Longtail  
Top Entry**

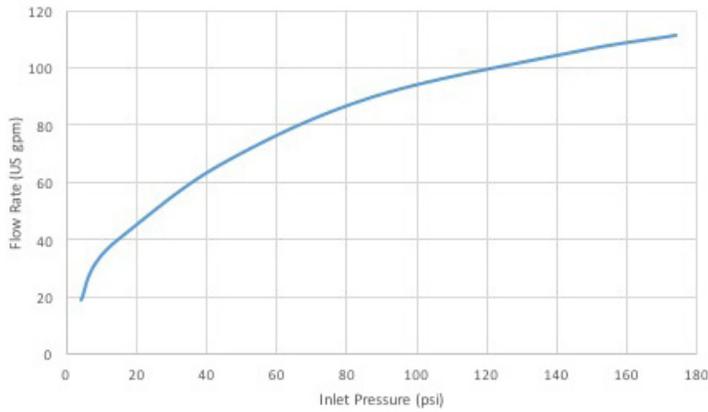
**XF34LTTE US** – ¾" NPT

**XF1LTTE US** – 1" NPT

**XFTEK US** – Top Entry Kit Only

**RKXF US** – Repair Kit

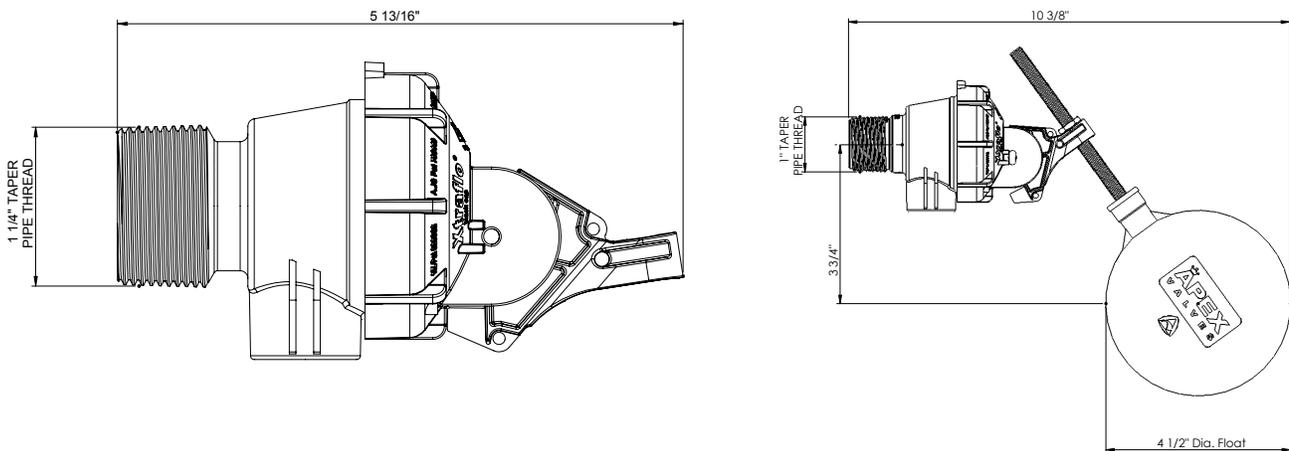
## XtraFlo Flow Chart



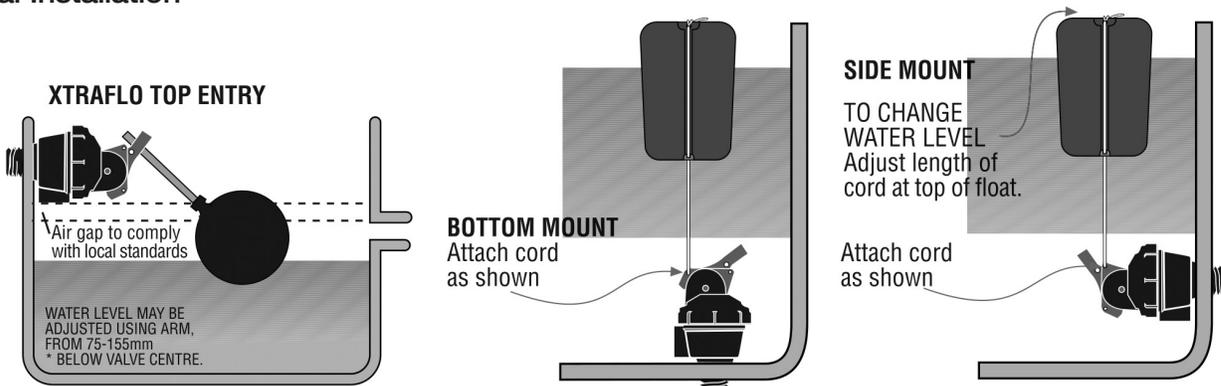
## Materials

**Body:** Acetyl  
**Spring:** 304 S/S  
**Seals & O-Rings:** Nitrile  
**Diaphragm:** Nitrile

## Dimensions – Weights



## Typical Installation



**USA:** T: (978) 689-6066 • F: (978) 975-8350 • Watts.com  
**Canada:** T: (905) 332-4090 • F: (905) 332-7068 • Watts.ca  
**Latin America:** T: (52) 81-1001-8600 • Watts.com