

## Engineering Specification

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

Contractor \_\_\_\_\_

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

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

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

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# APEX™ XS Series

## Xcess™ Fast-fill Trough Valve

Sizes: 1" & ¾"

Xcess valve unique cam-lock compatible outlet allows for convenient ancillary water supply. The valve can be serviced by hand while in place without the need of any tools. The Xcess valve is designed for fast filling of large troughs. A unique camlock-compatible outlet allows for convenient water supply for many jobs around the farm.

### Features

- Highest flow rate of any 1" sleeve valve on the market for fast filling of high demand troughs 115 US gpm at 145 psi (450 l/min @ 1000 kPa) around the farm, including break feeding/strip grazing
- Valve comes with a shut-off pin to stop flow to allow for fitting of camlock or cleaning of trough
- Plunger can be removed within seconds without removing arm.
- Very high flow rate 120 gpm/min @ 145 psi (1000 kPa)
- Two sizes in one valve 1" & ¾" (25/19mm)
- Cam-lock compatible outlet
- No tools required for servicing
- Plunger serviced without removing arm
- Shut off pin to close valve
- Includes cord and nipple
- Longtail version available

### Specifications

**Cam-lock Compatibility:** Top entry troughs or minimum clearance from trough bottom 6"  
Uses 6" float

**Working Pressure:** 0 – 145 psi (0 – 1000 kPa)  
(short arm: 0 – 115 psi (0 – 800 kPa))

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

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



XS341 US

Use 6" (150mm) float  
SPARE ARM CODE: P16 XS, Std arm  
P16 XSSA, Short arm

Longtail options available.  
Standard arm length: 12" (306 mm)  
Float must be screwed to arm.

### Models

**XS341 US** – 1"/¾" NPT

**XS341LT US** – 1"/¾" NPT (Longtail)

**RKXS-US** – Repair Kit

### Patents

- New Zealand Pat No. 239796
- New Zealand Pat Des. App. No. 415938
- Australia Pat No. 653422
- Australia Des. No. 11/099/2012 & No. 11111/2012
- Patent Application No: 595205, 595420 & 599134

**NOTE:** Permission or consent may be required to irrigate from various water sources.

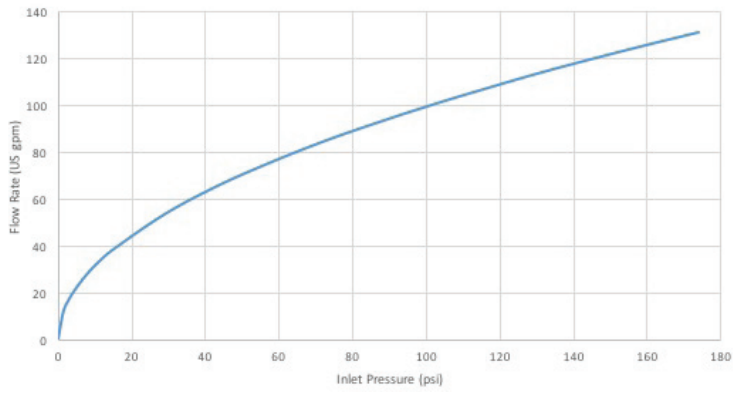
### NOTICE

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.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



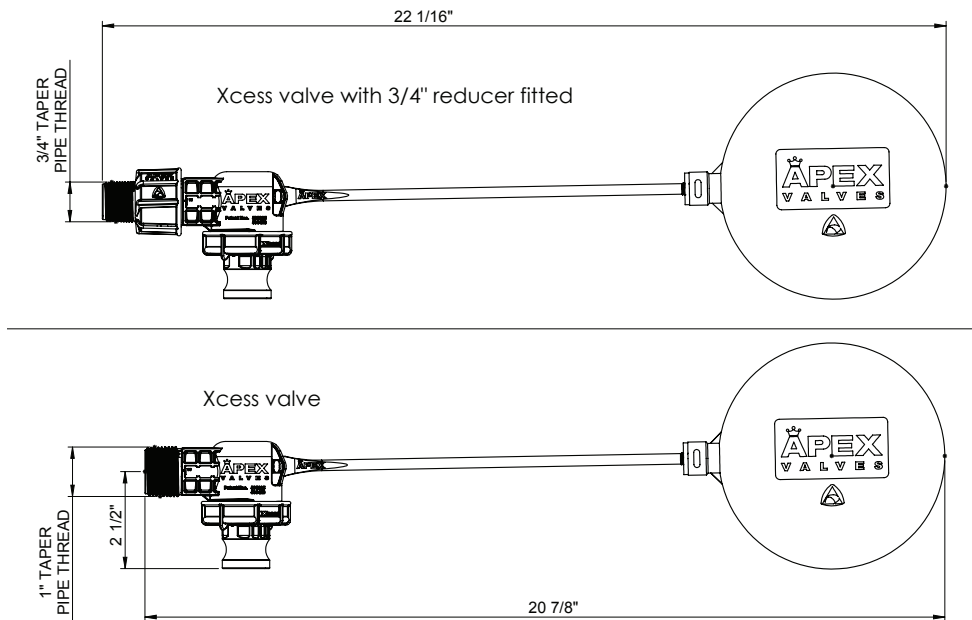
## Xcess Flow Chart



## Materials

**Body:** Acetyl  
**Arm:** Brass  
**Seals & O-Rings:** Nitrile  
**Plunger:** Acetyl

## Dimensions



**USA:** T: (978) 689-6066 • F: (978) 975-8350 • Watts.com  
**Canada:** T: (888) 208-8927 • F: (905) 481-2316 • Watts.ca  
**Latin America:** T: (52) 55-4122-0138 • Watts.com