

# TT15/30/60 Spin-On Tank Top Return Filters

**Working Pressures to:** 100 *psi*  
690 kPa  
6.9 bar

**Flow Range to:**  
Return-line < 50 *gpm*  
190 l/min

## Features

TT15/30/60 Tank Top filters are designed for industrial service. Aluminum casting and Buna-N seals standard. For use with mineral and synthetic based fluids

These return filters conveniently mount to tank tops with four screws. Common holes are used to mount the filter head to the reservoir without welding. A down pipe is attached to a threaded port and the gasket surface provides a watertight seal. Each element provides a new bypass valve and anti-drainback valve for easy element change.



### Beta Rating

- Performance to  $\beta_{23(c)}=1000$

### Porting Sizes

- 3/4" NPT, 1 1/2" NPT

### Replacement Filter Lengths

- 5.83" / 148mm TT15
- 7.05" / 179mm TT30
- 9.29" / 236mm TT60

### Standard Bypass Ratings

- 22 *psi* / 150 kPa / 1.5 bar

### Operating Temperatures

- -22°F to 250°F / -30°C to 121°C

### Assembly Weight

- 2.0 lbs TT15
- 4.3 lbs TT30
- 5.2 lbs TT60

## TT15/30/60 Components

### Element Choices

| Media Type                  | Beta <sub>(c)</sub> =1000 Rating | Length (in./mm) | Donaldson Part # | LHA Part # | Element Thread | Brand     |
|-----------------------------|----------------------------------|-----------------|------------------|------------|----------------|-----------|
| 10 Micron Nominal Cellulose | 23µm                             | 5.9             | P171625          | TTE-15-10  | 3/4" BSP       | Donaldson |
| 10 Micron Nominal Cellulose | 23µm                             | 7.05            | P564059          | TTE-30-10  | 1 1/4" BSP     | LHA       |
| 10 Micron Nominal Cellulose | 23µm                             | 7.05            | P550269          |            | 1 1/4" BSP     | Donaldson |
| 10 Micron Nominal Cellulose | 23µm                             | 9.29            | P171640          | TTE-60-10  | 1 1/4" BSP     | Donaldson |

## Head Choices for TT15/30/60

| Port Size  | Bypass Rating*             | Gauge Ports (drill, tap, plug) | Gauge Port Location | DCI Part No. | LHA Part No. |
|------------|----------------------------|--------------------------------|---------------------|--------------|--------------|
| 3/4" BSP   | 22 psi / 150 kPa / 1.5 bar | (2) 1/8" NPT                   | upstream side       | P564039      | TT15B*GN     |
| 3/4" NPT   | 22 psi / 150 kPa / 1.5 bar | (2) 1/8" NPT                   | upstream side       | P564038      | TT15N*GN     |
| 1 1/2" NPT | 22 psi / 150 kPa / 1.5 bar | (2) 1/8" NPT                   | upstream side       | P563973      | TT30N*GN     |

**Note**

\* Bypass valve is integral part of replacement filter

## Optional Filter Service Indicators

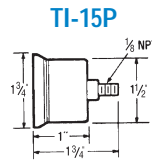
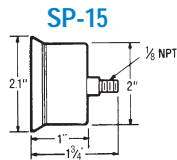
| Donaldson Part No. | LHA Part No. | Pressure Range          | Use With Series | Type                          | Brand |
|--------------------|--------------|-------------------------|-----------------|-------------------------------|-------|
| P563300            | TI-15P       | 0 to 30 psi             | TT15/30/60      | Return indicator, color-coded | LHA   |
| P563978            | EL-P-1       | 5 to 35 psi field adj.* | TT15/30/60      | Return indicator, electrical  | LHA   |
| P563298            | SP-15P-2     | 0 to 100 psi            | TT15/30/60      | Return indicator, color-coded | LHA   |

**Notes**

\* NOT PRESET: Setting adjustable for desired application

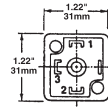
### 1/8" - 27 NPTF threads

- Built in snubber to minimize damage caused by pressure surges
- Compatible with petroleum and mineral-based fluids
- Anti-splash

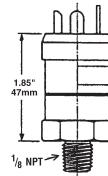


### EL-P Instructions

1. Remove DIN adaptor
2. Remove small brass screw
3. Using 1/8" allen wrench adjust clockwise to increase set point/counter-clockwise to decrease set point
4. NO / NC

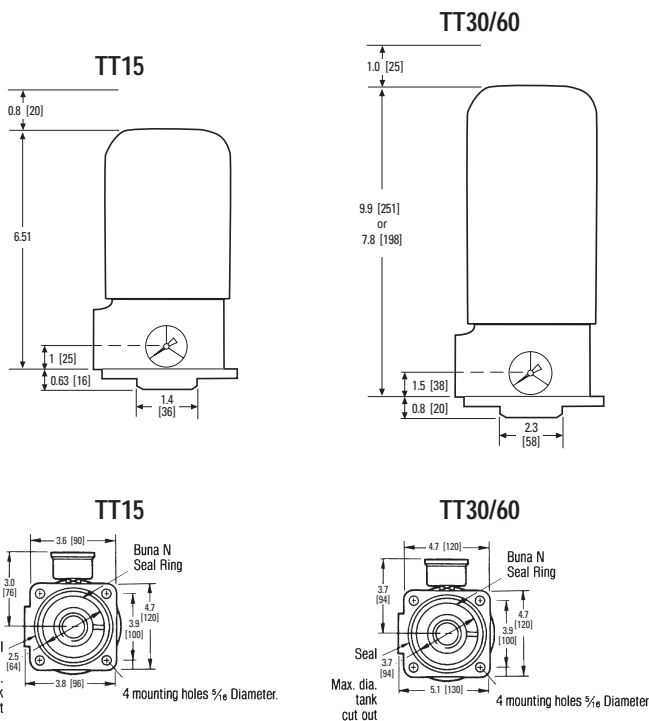


EL-P-1



Adjustment screw located in center of elec. prongs

## Assembly - Side View



All dimensions above are shown in inches [millimeters]

## Head - Top View

# Performance Data

For a full explanation of how our performance curves were derived, see page 160.

