



TT15/30/60

Max Flow: 50 gpm (189 lpm)



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

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

**Rated Static Burst to:** 250 psi  
1725 kPa  
17.2 bar

**Flow Range to:** 50 gpm  
189 lpm



### Applications

- In-Plant Systems
- Mobile Equipment
- Return Lines

## Features

TT15/30/60 Tank Top filters are designed for industrial service. Aluminum casting and Buna-N® seals standard. Used 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 filter provides a new bypass valve and anti-drainback valve for easy filter change. Buna-N® is a registered trademark of E. I. DuPont de Nemours and Company.

### Beta Rating

- Performance to  $\beta_{7(c)}=2$

### Porting Size Options

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

### Replacement Filter Lengths

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

### Filter Collapse Ratings

- 250 psid / 1725 kPa / 17.2 bar

### Standard Bypass Ratings

- 22 psi / 150 kPa / 1.5 bar

### Assembly Weight

- 2.0 lbs / 0.9 kg TT15
- 4.3 lbs / 2.0 kg TT30
- 5.2 lbs / 2.4 kg TT60

### Operating Temperatures

- -22°F to 225°F / -30°C to 107°C

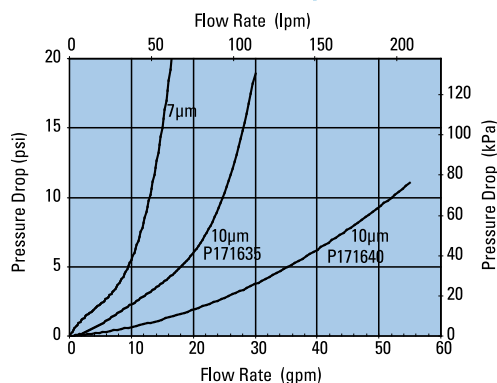
## TT15/30/60 Components

### Filter Choices

Media Type	$\beta_{x(c)} = 2$ Rating based on ISO 16889	Length in mm	Donaldson Part No.	Comments
Cellulose	7µm	5.36 136	P565242	TT15 Series
	10 µm	7.05 179	P171635	TT30 Series
	10 µm	9.29 236	P171640	TT60 Series

## Performance Data

TT Filters Only





## Head Choices

Port Size	Bypass Rating*	Gauge Ports (drill, tap, plug)	Gauge Port Location	Donaldson Part No.	Description	Head to Tank** Seal Part No.
3/4" NPT	22 psi / 150 kPa / 1.5 bar	(2) 1/8" NPT	upstream side	P564038	TT15 Series	P563975
1 1/2" NPT	22 psi / 150 kPa / 1.5 bar	(2) 1/8" NPT	upstream side	P563973	TT30/60 Series	P563976

### Note

\* Bypass valve is integral part of replacement filter. \*\* Included with head.

On a return line system the gauge port should be on the upstream side. We suggest a 25 psi bypass. If head is used on a suction line, the gauge port should be on the downstream side very low bypass.

## Optional Filter Service Indicators

Donaldson Part No.	Pressure Range	Use With Series	Type
P563300	0 to 30 psi	TT15/30/60	Return indicator, color-coded
P563978	5 to 30 psi field adj.*	TT15/30/60	Return indicator, electrical
P563298	0 to 100 psi	TT15/30/60	Return indicator, color-coded

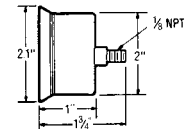
### Notes

\* NOT PRESET: Setting adjustable for desired application

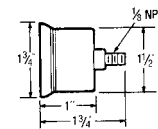
### 1/8" - 27 NPTF threads

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

P563298



P563300

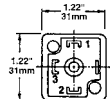


### Instructions

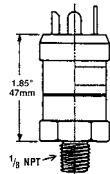
1. Remove DIN adaptor
2. Remove small brass screw
3. Using 1/8" allen wrench adjust clockwise to increase set point/counter-clockwise to decrease set point
4. NO / NC



- #1 Common;
- #2 Normally Closed;
- #3 Normally Open



P563978

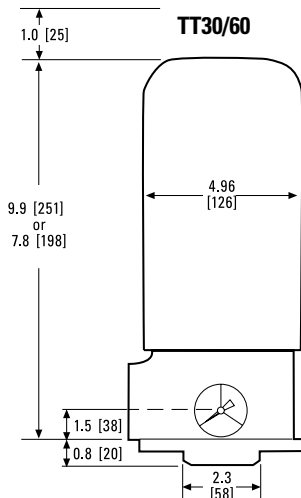
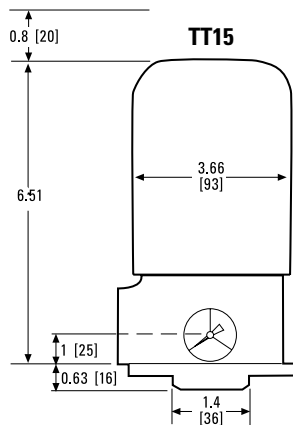


Adjustment screw located in center of electric prongs

## TT 15 & 30/60 Specification Illustrations

All dimensions are shown in inches [millimeters].

### Assembly - Side View



### Head - Top View

