



PT Series

Tank Top Filters



ENGINEERING YOUR SUCCESS.

PT Series

Applications

The PT series filter is available in two diameters and three lengths for flow ranges from 5-50 gpm. The PT2 and PT4 filter cartridges utilize the latest in microglass media in 2, 5, 10 and 20 microns for the industry's best particle removal efficiency and retention.

This unique design simply threads into a ported weld ring or flange, which can be bolted to a metal reservoir.

The disposable filter cartridge is a single-piece construction, which incorporates the nylon cover and integral 25 psi bypass valve. The flow path is inside-out and requires no special tools for service.

This concept assures minimal installation costs with the least space requirements for return line applications.



Typical Applications

- Turf Maintenance
- Material Handling
- Aerial Lifts
- Fan Drive

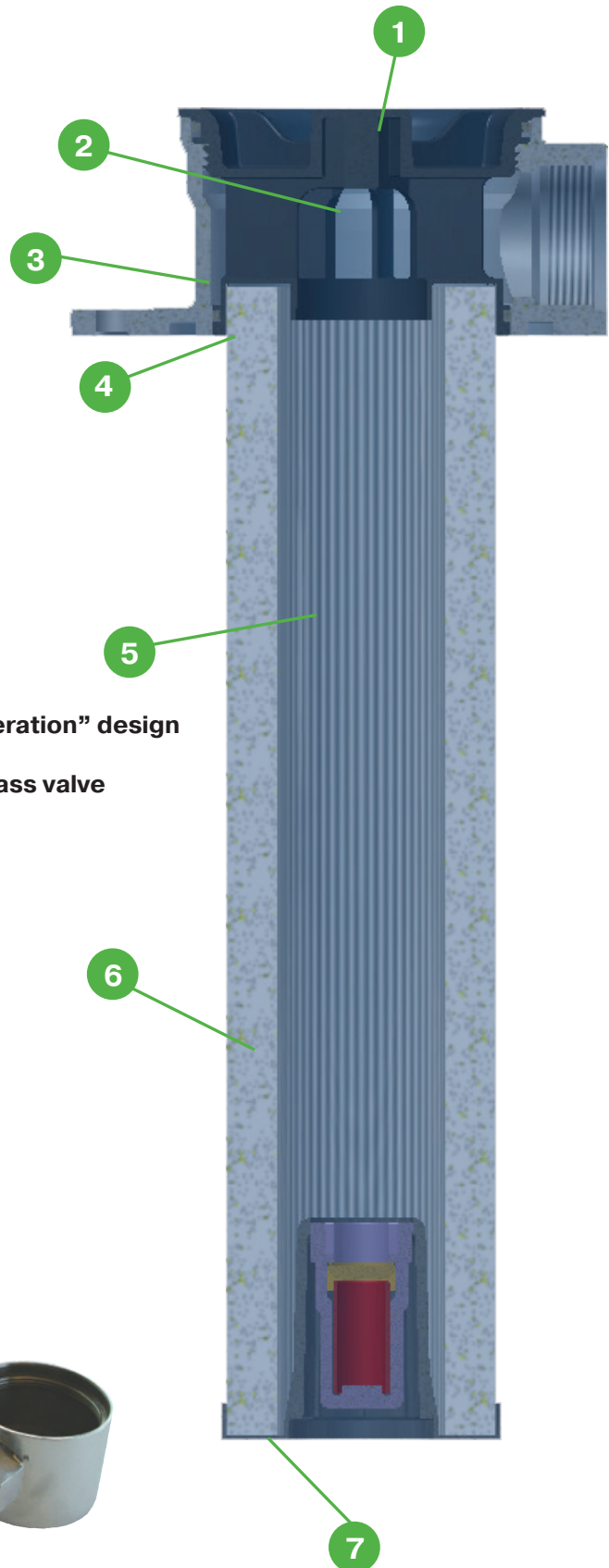


The PT Series filter combines high efficiency microfiber filtration with low cost installation.

PT Series

Features

- 1 Easy element assembly removal
- 2 Unique high flow top end cap
- 3 Lightweight cast aluminum head
- 4 Filter element assembly
- 5 Bowl-less, inside-out flow
- 6 Downstream element support with “no aeration” design
- 7 Solid bottom endcap with integrated bypass valve
- 8 Low profile tank top design



PT Series

Filter Element
Premium original equipment performance every time

Tank Top, Bowl-Less Design
Reduces weight
Significant cost savings over filters with bowls

Bottom Endcap Integrated Bypass Valve
New bypass valve with every element change
Insures reliable performance

Inside-Out Element Flow Path
Contamination contained within the element
No system contamination during element servicing

No Aeration Design
Oil cascades down the perforated outer support core
No system aeration

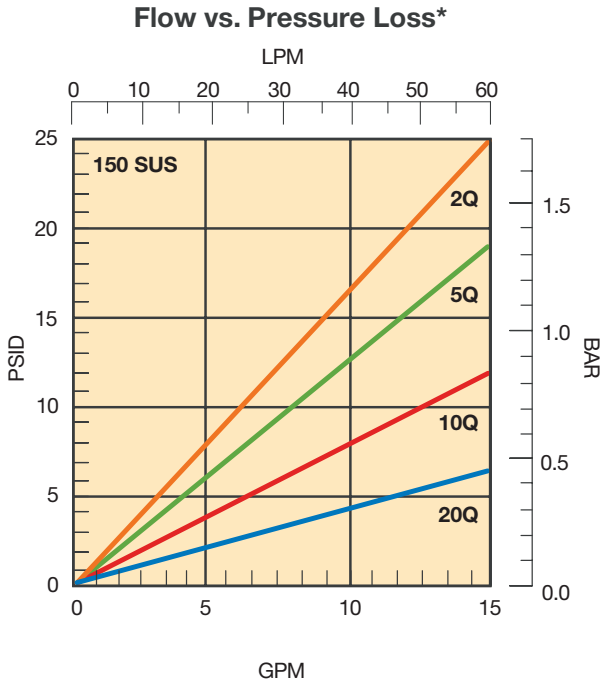
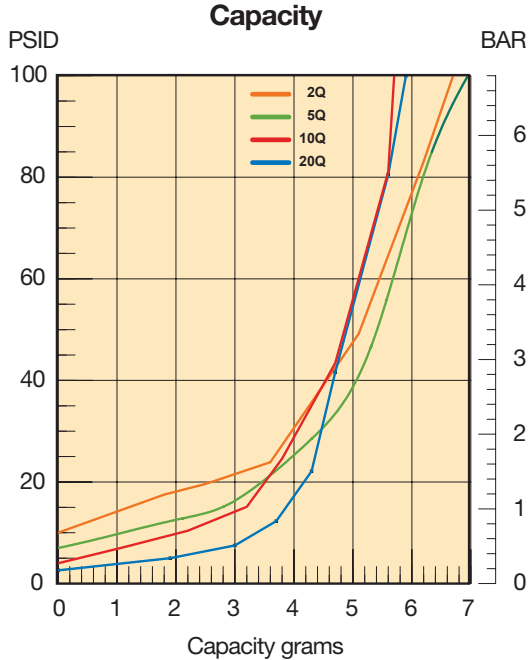
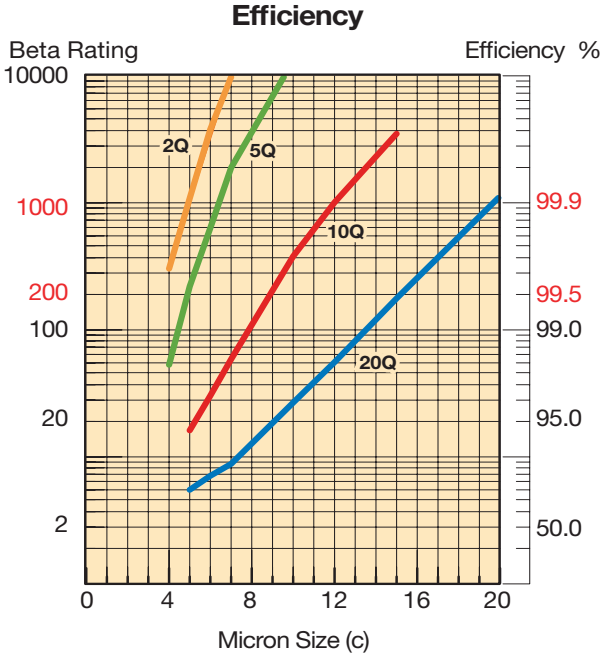
High Flow, Low Pressure Drop Top Endcap Design
Long element life
Lower maintenance costs

Premium Microglass Media
Superior dirt holding capacity and efficiency
Less maintenance and downtime



PT Series

PT2-1 Element Performance

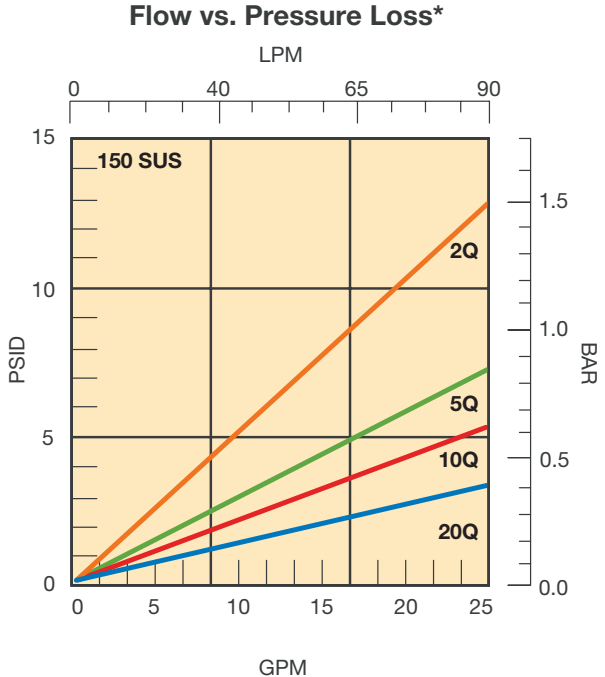
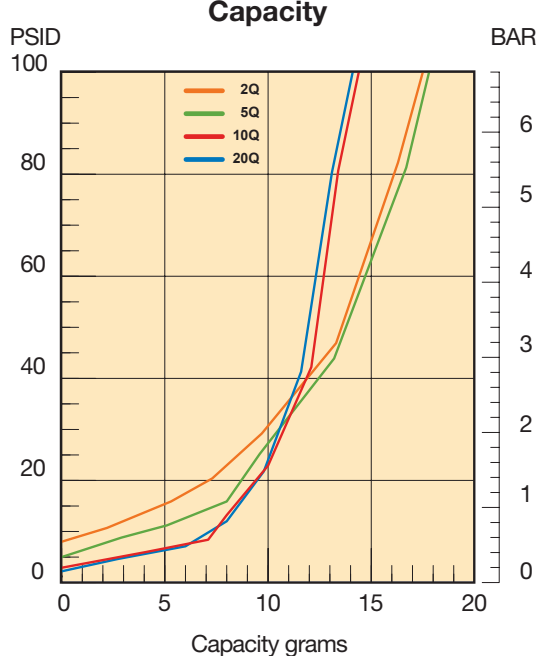


Results typical from Multi-pass tests run per test standard ISO 16889 @ 10 gpm to 100 psid terminal - 10 mg/L BUGL. Refer to Appendix for relationship to test standard ISO 4572.

*Note: Pressure drop calculations are based on SAE-12 porting.

PT Series

PT2-2 Element Performance

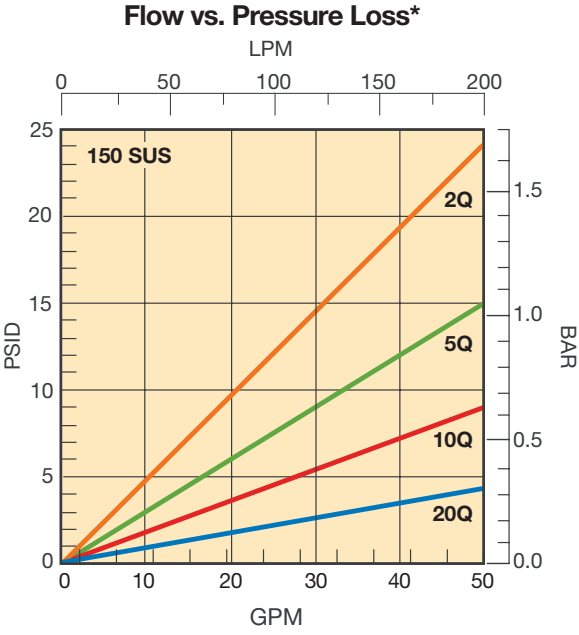
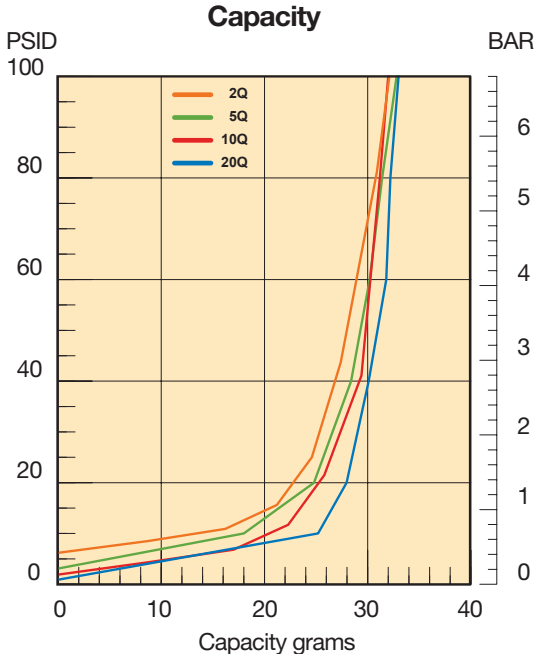
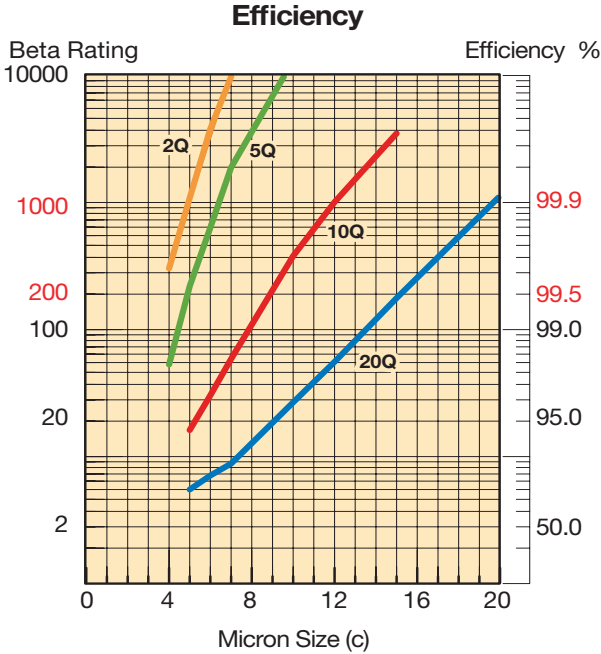


Results typical from Multi-pass tests run per test standard ISO 16889 @ 15 gpm to 100 psid terminal - 10 mg/L BUGL. Refer to Appendix for relationship to test standard ISO 4572.

*Note: Pressure drop calculations are based on SAE-12 porting.

PT Series

PT4-1 Element Performance

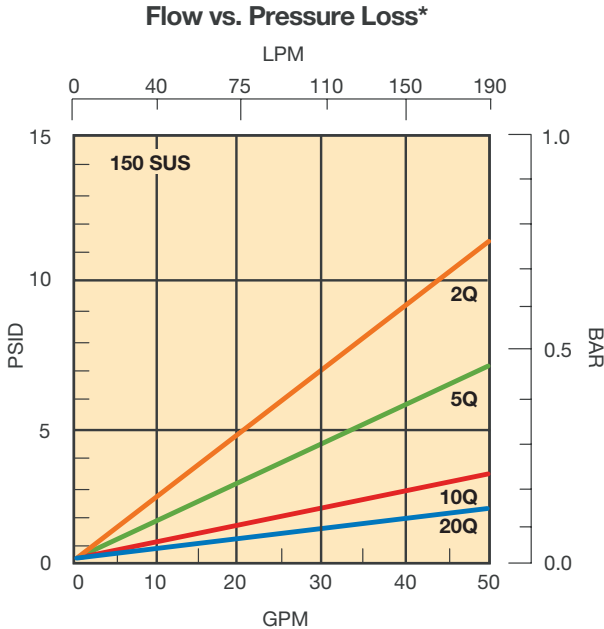
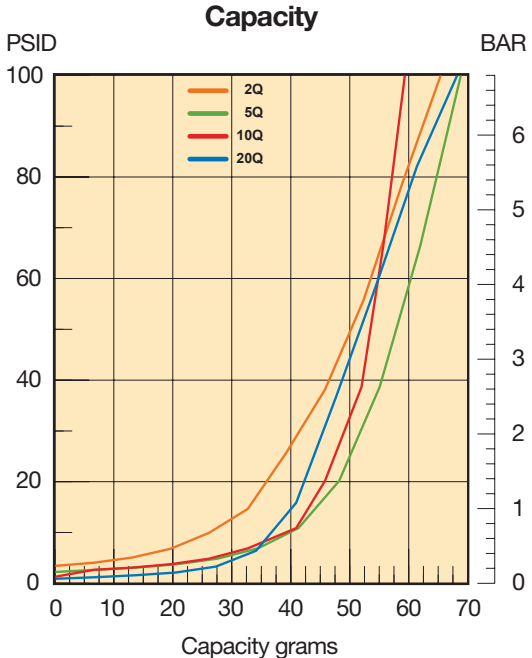
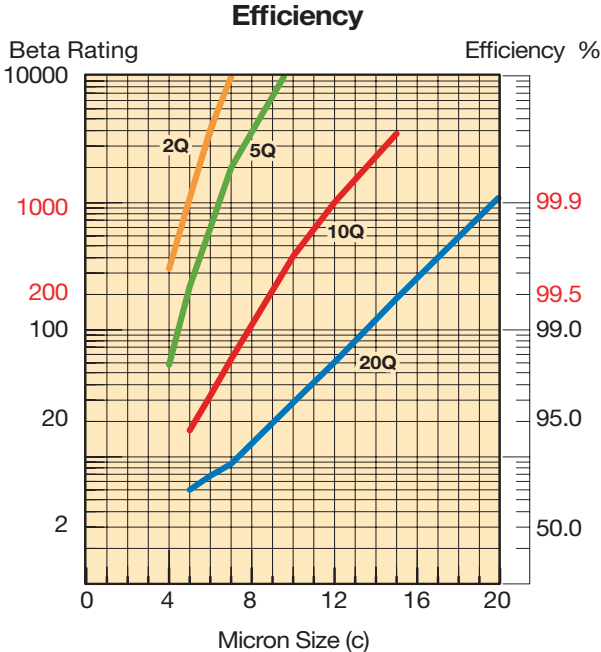


Results typical from Multi-pass tests run per test standard ISO 16889 @ 15 gpm to 100 psid terminal - 10 mg/L BUGL. Refer to Appendix for relationship to test standard ISO 4572.

*Note: Pressure drop calculations are based on SAE-16 porting.

PT Series

PT4-2 Element Performance

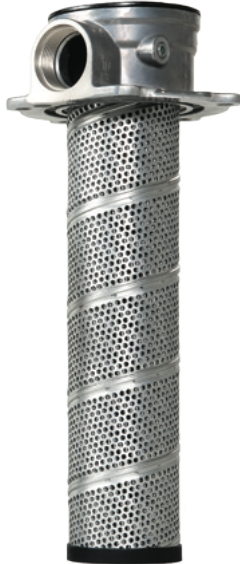
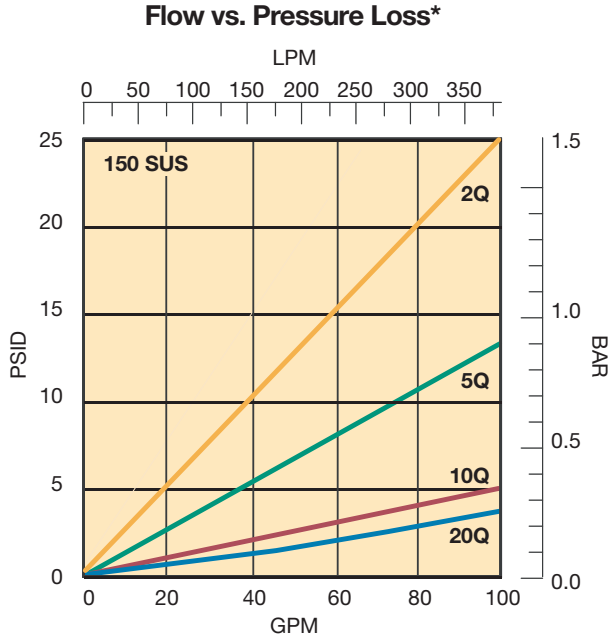
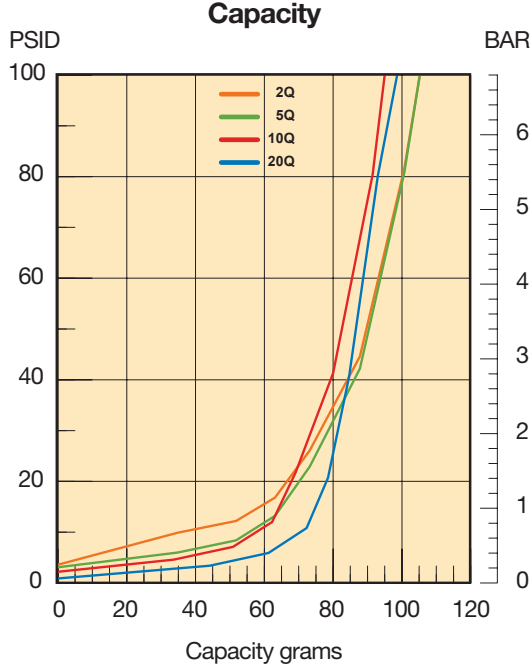
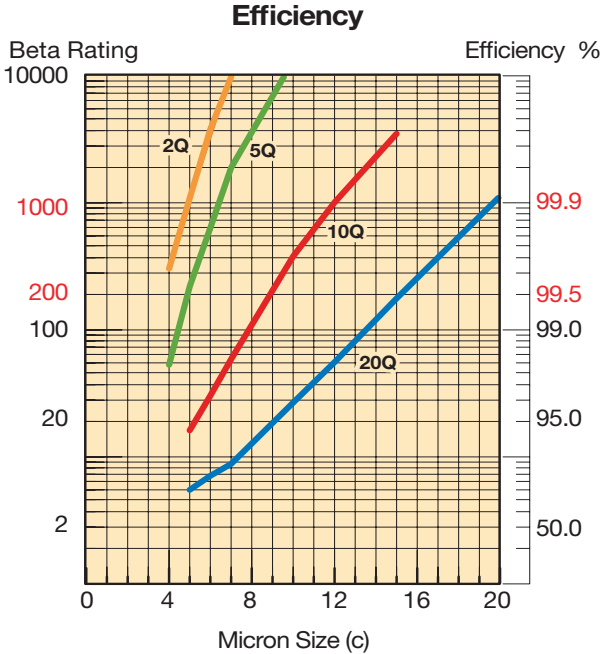


Results typical from Multi-pass tests run per test standard ISO 16889 @ 30 gpm to 100 psid terminal - 10 mg/L BUGL. Refer to Appendix for relationship to test standard ISO 4572.

*Note: Pressure drop calculations are based on SAE-16 porting.

PT Series

PT4-3 Element Performance



Results typical from Multi-pass tests run per test standard ISO 16889 @ 45 gpm to 100 psid terminal - 10 mg/L BUGL. Refer to Appendix for relationship to test standard ISO 4572.

*Note: Pressure drop calculations are based on SAE-16 porting.

PT Series

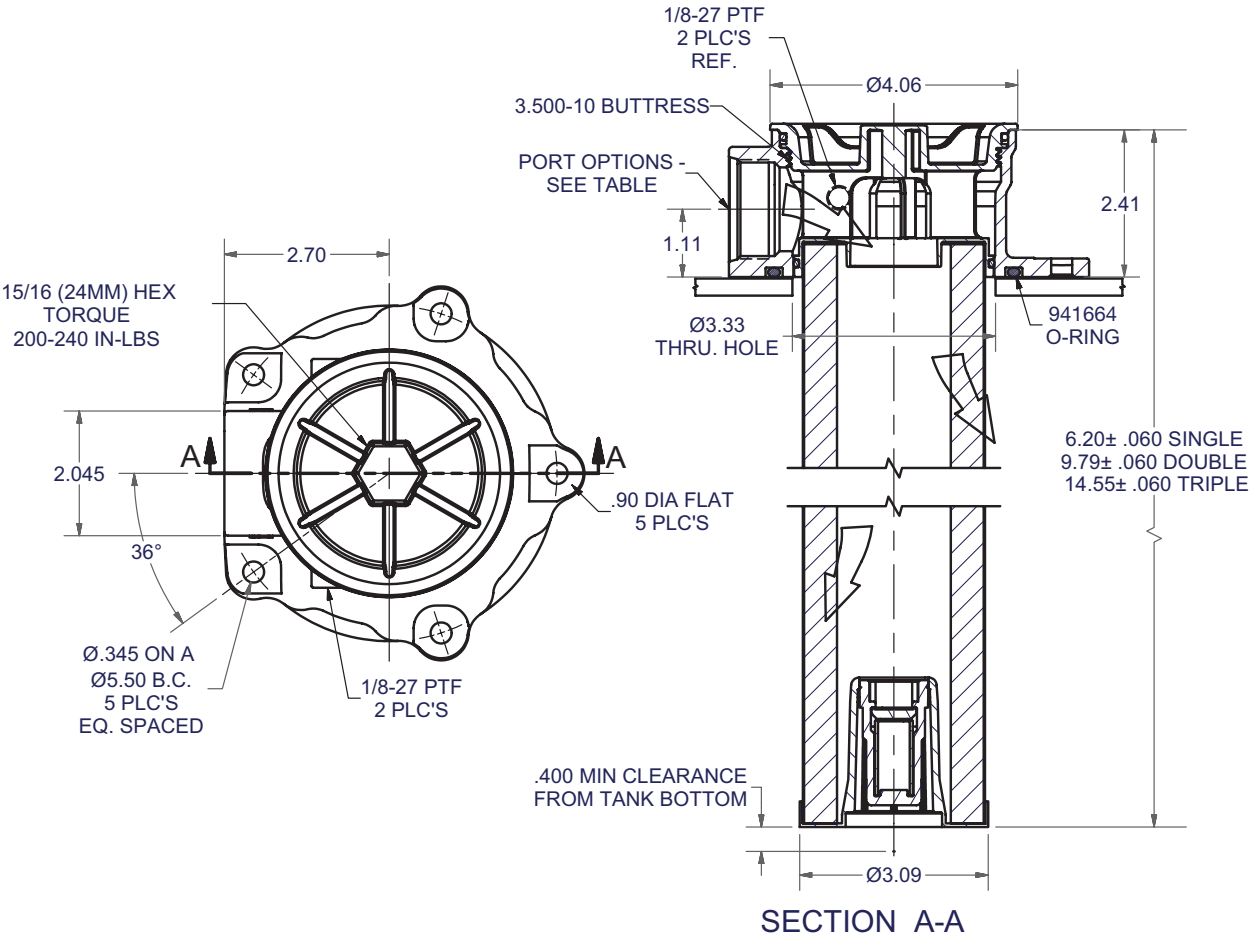
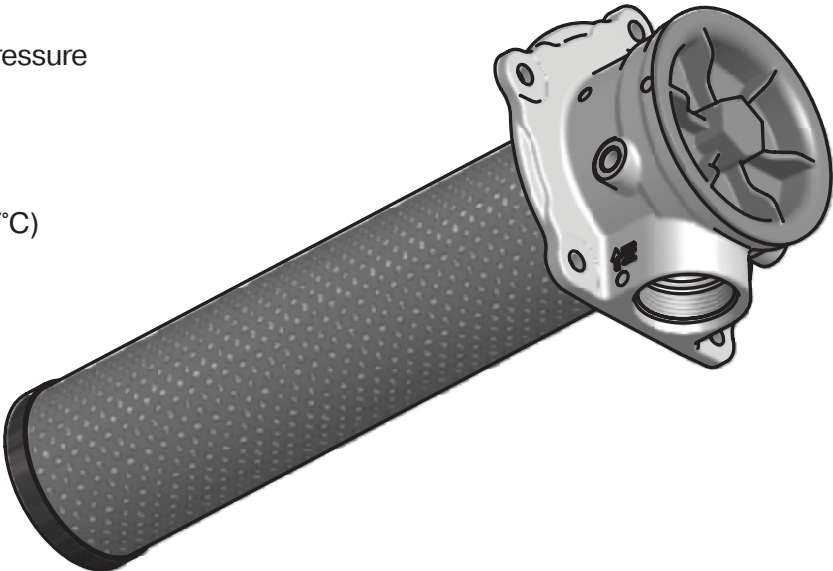
Specifications - PT4

Pressure Rating:
Maximum Allowable Operating Pressure (MAOP): 150 psi (10.3 bar)

Element Burst Rating: 150 psid

Operating Temperatures:
Buna: -40°F (-40°C) to 225°F (107°C)

Materials:
Tank Flange: aluminum
Endcaps: nylon

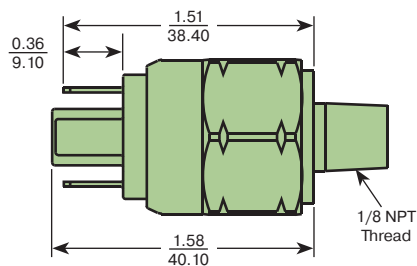
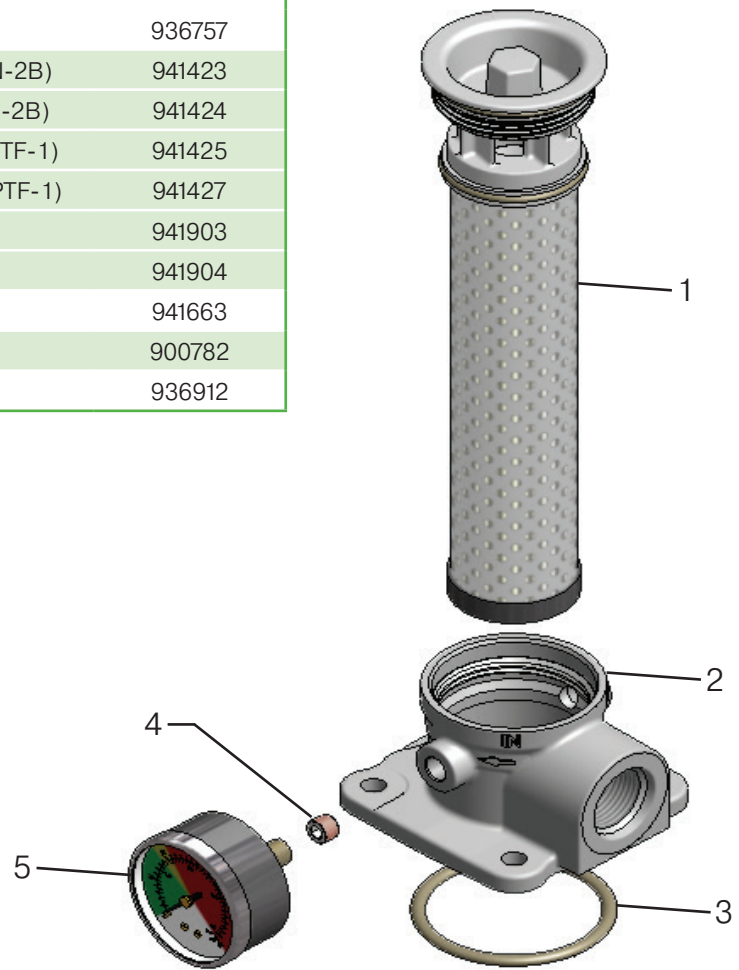


Drawings are for reference only.
Contact factory for current version.

PT Series

PT2 Parts List

INDEX	PART DESCRIPTION	PART NUMBER
1	PT2-1-02Q-25 psid bypass	936750
	PT2-1-05Q-25 psid bypass	936751
	PT2-1-10Q-25 psid bypass	936752
	PT2-1-20Q-25 psid bypass	936753
	PT2-2-02Q-25 psid bypass	936754
	PT2-2-05Q-25 psid bypass	936755
	PT2-2-10Q-25 psid bypass	936756
	PT2-2-20Q-25 psid bypass	936757
2	PT2 DIE CAST SAE-12 (1.062-12 UN-2B)	941423
	PT2 DIE CAST SAE-16 (1.312-12 UN-2B)	941424
	PT2 DIE CAST 3/4" NPT (.750-14 NPTF-1)	941425
	PT2 DIE CAST 1" NPT (1.000-11.5 NPTF-1)	941427
	PT2 DIE CAST G3/4" BSPF	941903
	PT2 DIE CAST G1" BSPF	941904
	3	O-RING
4	1/8-27 PIPE PLUG	900782
5	1/8-27 PRESSURE GAUGE	936912

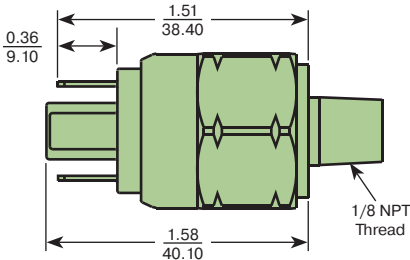
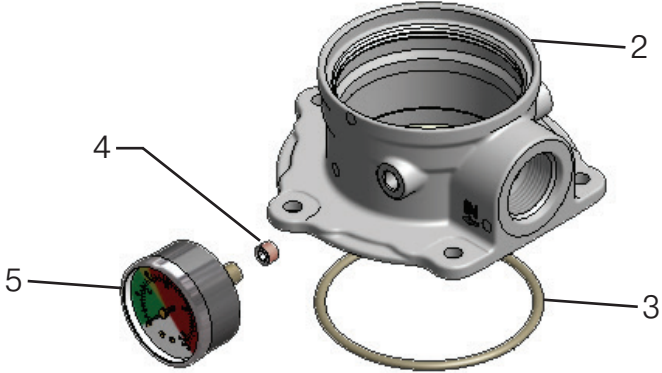
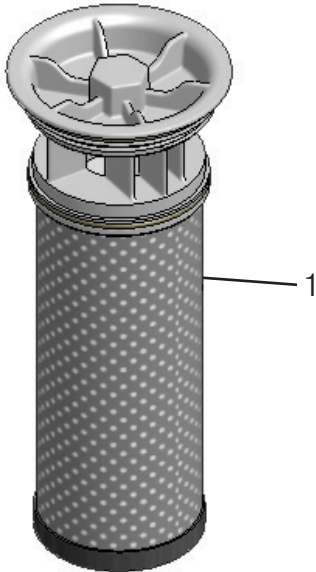


926923
2-pin normally open switch

PT Series

PT4 Parts List

INDEX	PART DESCRIPTION	PART NUMBER
1	PT4-1-02Q-25 psid bypass	936742
	PT4-1-05Q-25 psid bypass	936743
	PT4-1-10Q-25 psid bypass	936744
	PT4-1-20Q-25 psid bypass	936745
	PT4-2-02Q-25 psid bypass	936746
	PT4-2-05Q-25 psid bypass	936747
	PT4-2-10Q-25 psid bypass	936748
	PT4-2-20Q-25 psid bypass	936749
	PT4-3-02Q-25 psid bypass	936876
	PT4-3-05Q-25 psid bypass	936877
	PT4-3-10Q-25 psid bypass	936878
	PT4-3-20Q-25 psid bypass	936879
	2	PT4 DIE CAST SAE-16 (1.312-12 UN-2B)
PT4 DIE CAST SAE-20 (1.625-12 UN-2B)		941448
PT4 DIE CAST 1" NPT (1.000-11.5 NPTF-1)		941449
PT4 DIE CAST 1 1/4" NPT (1.250-11.5 NPTF-1)		941450
PT4 DIE CAST G1" BSPF		941905
PT4 DIE CAST G1 1/4" BSPF		941906
3	O-RING	941664
4	1/8-27 PIPE PLUG	900782
5	1/8-27 PRESSURE GAUGE	936912



926923
2-pin normally open switch

PT Series¹

Tank top filters

How To Order

Select the desired symbol (in the correct position) to construct a model code. Example:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8
PT2	1	10Q	B	G	G	S16	1

BOX 1: Filter Series	
Symbol	Description
PT2	Basic Model, 25 gpm
PT4	Basic Model, 50 gpm

BOX 2: Element Length	
Symbol	Description
1	Single
2	Double
3	Triple (PT4 only)

BOX 3: Media Code ¹	
Symbol	Description
02Q	Microglass, 2 micron
05Q	Microglass, 5 micron
10Q	Microglass, 10 micron
20Q	Microglass, 20 micron

BOX 4: Seal Material	
Symbol	Description
B	Nitrile
V	Fluorocarbon

BOX 5: Indicator	
Symbol	Description
P	1/8" NPT Gauge Ports (2) Plugged
G	Pressure Gauge
S	Pressure switch

BOX 6: Bypass	
Symbol	Description
G	25 psid (1.7 bar)

BOX 7: Ports	
Symbol	Description
PT2	
S12	SAE-12 integral threads
S16	SAE-16 integral threads
PT4	
S16	SAE-16 integral threads
S20	SAE-20 integral threads

BOX 7: Options	
Symbol	Description
1	No options
W ²	Steel weld ring

Notes:

- Filters include the element you select already installed.
- When "W" is selected in Box 8, the PT2 port options are "N12" and "S12"; the PT4 port option is "S16".



Hydraulic & Fuel Filtration Division
www.parker.com/emhff

Last updated August 4th, 2023

Parker's willingness to conduct business with Buyer is expressly conditioned on Buyer's assent to Parker's Offer of Sale. www.parker.com/saleterms