

Ordering Information (cont.)

Supersedes Spare Element table (TXWL & PXWL replaced by 900000 number)

| | | | | |
|---------------------------|----------|----------|-----------|-----------|
| TTF60 | TXWL2-2 | TXWL2-5 | TXWL2-10 | TXWL2-20 |
| Part number spare element | 937823Q | 937880Q | 937881Q | 937882Q |
| TTF90 | TXWL3-2 | TXWL3-5 | TXWL3-10 | TXWL3-20 |
| Part number spare element | 937824Q | 937879Q | 937878Q | 937877Q |
| TTF120 | TXWL3D-2 | TXWL3D-5 | TXWL3D-10 | TXWL3D-20 |
| Part number spare element | 937825Q | 937850Q | 937851Q | 937876Q |
| TTF150 | TXWL3E-2 | TXWL3E-5 | TXWL3E-10 | TXWL3E-20 |
| Part number spare element | 937826Q | 937849Q | 937852Q | 937875Q |
| TTF170 | TXWL4-2 | TXWL4-5 | TXWL4-10 | TXWL4-20 |
| Part number spare element | 937827Q | 937848Q | 937853Q | 937874Q |
| TTF230 | TXWL5-2 | TXWL5-5 | TXWL5-10 | TXWL5-20 |
| Part number spare element | 937828Q | 937847Q | 937854Q | 937873Q |
| TTF300 | TXWL5A-2 | TXWL5A-5 | TXWL5A-10 | TXWL5A-20 |
| Part number spare element | 937829Q | 937846Q | 937855Q | 937872Q |
| TTF400 | TXWL5B-2 | TXWL5B-5 | TXWL5B-10 | TXWL5B-20 |
| Part number spare element | 937830Q | 937845Q | 937856Q | 937871Q |
| TTF500 | TXWL5C-2 | TXWL5C-5 | TXWL5C-10 | TXWL5C-20 |
| Part number spare element | 937831Q | 937844Q | 937857Q | 937870Q |

Supersedes Spare Element table (TXW & TXX replaced by 900000 number)

| | | | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------|-----------|
| TTF60 | TXW2-10-B | TXW2-2-B | TXW2-5-B | TXW2-10-B | TXW2-20-B | ST2-40-B |
| Part number spare element | 937721 | 937751Q | 937754Q | 937787Q | 937790Q | 937820 |
| TTF90 | TXW3-10-B | TXW3-2-B | TXW3-5-B | TXW3-10-B | TXW3-20-B | ST3-40-B |
| Part number spare element | 937722 | 937750Q | 937755Q | 937786Q | 937791Q | 937819 |
| TTF120 | TXW3D-10-B | TXW3D-2-B | TXW3D-5-B | TXW3D-10-B | TXW3D-20-B | ST3D-40-B |
| Part number spare element | 937723 | 937749Q | 937756Q | 937785Q | 937792Q | 937818 |
| TTF140 | FC1260.C010.BS | FC1260.Q002.XS | FC1260.Q005.XS | FC1260.Q010.XS | FC1260.Q020.XS | |
| Part number spare element | 1180309260-01 | 937977Q | 937978Q | 937956Q | 937957Q | |
| TTF150 | TXW3E-10-B | TXW3E-2-B | TXW3E-5-B | TXW3E-10-B | TXW3E-20-B | ST3E-40-B |
| Part number spare element | 937724 | 937748Q | 937757Q | 937784Q | 937793Q | 937817 |
| TTF170 | TXW4-10-B | TXW4-2-B | TXW4-5-B | TXW4-10-B | TXW4-20-B | ST4-40-B |
| Part number spare element | 937725 | 937747Q | 937758Q | 937783Q | 937794Q | 937816 |
| TTF175 | | FC1275.Q002.XS | FC1275.Q005.XS | FC1275.Q010.XS | FC1260.Q020.XS | |
| Part number spare element | | 937979Q | 937980Q | 937981Q | 937982Q | |
| TTF230 | TXW5-10-B | TXW5-2-B | TXW5-5-B | TXW5-10-B | TXW5-20-B | ST5-40-B |
| Part number spare element | 937726 | 937746Q | 937759Q | 937782Q | 937795Q | 937815 |
| TTF300 | TXW5A-10-B | TXW5A-2-B | TXW5A-5-B | TXW5A-10-B | TXW5A-20-B | ST5A-40-B |
| Part number spare element | 937727 | 937745Q | 937760Q | 937781Q | 937796Q | 937814 |

TTF Series Seal Kit

| TTF Filter connections | Nitrile Seal Kit |
|--|-------------------|
| Ports | Part Number |
| ISO 228-G $\frac{3}{4}$ " (BSP) (TTF length 2,3,4 and 5) | 2049010012 |
| ISO 228-G1" (BSP) (TTF length 2,3,4 and 5) | 2049010012 |
| ISO 228-G1 $\frac{1}{4}$ " (BSP) (TTF length 6 and larger) | 2049010013 |
| 2xISO 228-G1 $\frac{1}{4}$ " (BSP) (TTF length 6 and larger) | 918045035 |
| ISO 228-G1 $\frac{1}{2}$ " (BSP) (TTF length 6 and larger) | 2049010013 |
| 2xISO 228-G1 $\frac{1}{2}$ " (BSP) (TTF length 6 and larger) | 918045035 |
| 1 $\frac{1}{2}$ " SAE-3000 PSI (TTF length 6 and larger) | 918045035 |
| 1 $\frac{1}{2}$ " SAE-3000 PSI (2nd port) + G1 $\frac{1}{2}$ " (TTF length 6 and larger) | 918045035 |
| G2" (TTF length 6 and larger) | 918045035 |
| G2" + G1 $\frac{1}{2}$ " (TTF length 6 and larger) | 918045035 |

TTF Series

Tanktop Mounted Return Line Filters

Max 500 l/min - 10 bar



Featuring pre-filtration by means of a magnetic column

Extended element life time

The TTF Series features pre-filtration by means of a magnet column and a quick response bypass with low hysteresis. Maximum pressure 10 bar. Maximum flow 500 l/min. A second return port is an available option as is a filling port in the filter cover.



Contact Information:

Parker Hannifin
Hydraulic Filter Division Europe

**European Product
Information Centre**
Freephone: 00800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES,
FI, FR, IE, IT, PT, SE, SK, UK)
filtrationinfo@parker.com

www.parker.com/hfde

Product Features:

- TTF features pre-filtration by means of a magnet column.
- Quick response bypass with low hysteresis.
- Maximum pressure 10 bar. Maximum flow 500 l/min.
- Options include a filling port in the filter cover and second return port.
- Patented *LEIF*® elements safeguard filtration quality.
- Flow from inside to out.

TTF Series

Tanktop Mounted Return Line Filters

Features & Benefits

| Features | Advantages | Benefits |
|---|--|---|
| 10 bar rated filter | Can be utilised for severe return line applications | Reduced downtime due to premature filter failures |
| Cast aluminium head | Compact profile, lightweight and durable | Less weight, smaller envelop and cleaner appearance |
| LEIF® elements | Element safeguards the use of genuine parts | Guaranteed quality of filtration Contributes to ISO 14001 certification |
| Magnetic pre-filtration | Removes ferrous particles, even during bypass conditions | Improved fluid cleanliness levels Extended element life time |
| In-to-Out filtration | All captured contamination retains inside the element | No recontamination of system during change of elements |
| High level of customisation | Dedicated system-matched solutions can be easily made available | Improved integration of filter in system combined with lower initial system costs |
| Quick response bypass with low hysteresis | Reduction of bypass period due to low hysteresis Only a small part of the total flow is bypassing the element | Improved protection of system |
| Standard or customised funnel | Ensures that oil enters the tank under the oil level | Significant reduction of oil foaming |

Typical Applications

- Waste management trucks
- Mobile cranes
- Power packs
- Wheeled loaders
- Drilling equipment

The Parker Filtration TTF Series Return Line Filters

TTF tank top mounted return line filters feature pre-filtration by means of a magnet column and a quick response bypass with low hysteresis. Thanks to the “In-to-Out” filter principle, contaminated oil cannot leak back into the system. TTF filters are available in versions capable of handling flow rates up to 500 l/min. They can operate up to a maximum working pressure of 10 bar. Optional filling port in filter cover, second return port and customised diffusers can be specified.



Specification

Operation pressure:

Max. 10 bar.

Assembly:

Tank top mounted.

Connections:

Threaded BSP ports.

Flanged ports on request.

Filter housing:

Aluminium head and cover.

Seal material:

Nitrile, fluoroelastomer, neoprene.

Operation temperature range:

Seal material Nitrile: -40 to +100°C.

Seal material Fluoroelastomer: -20 to +120°C.

Bypass setting

Opening pressure 0.8 / 1.5 or 2 bar.

Other settings on request.

Degree of filtration:

Determined by multipass test according to ISO 16889.

Flow fatigue characteristics:

Filter media is supported so that the optimum fatigue life is achieved.

Filtration media:

Microglass III and Ecoglass III for *LEIF*[®] elements.

Also available 10µm cellulose and 40µm stainless steel mesh.

Element burst rating:

10 bar (ISO 2941)

Pressure indicator options:

Setting 0.7 or 1.2 bar.

Other settings on request.

Visual pressure gauge.

Electrical pressure switch.

Options:

Diffuser type P (straight pipe, no perforated plate area)

Diffuser type T (with closed diffuser end cap and with perforated plate area, recommended when oil entry in reservoir is close to the reservoir bottom or to ensure oil entry under the reservoir oil level)

Magnetic pack:

Standard. TTF400 and 500 are standard supplied without magnets

Filling port in cover: (optional)

Plugged.

Filter element:

LEIF[®] element with reusable metal element sleeve.

Optional conventional style element with steel end caps.

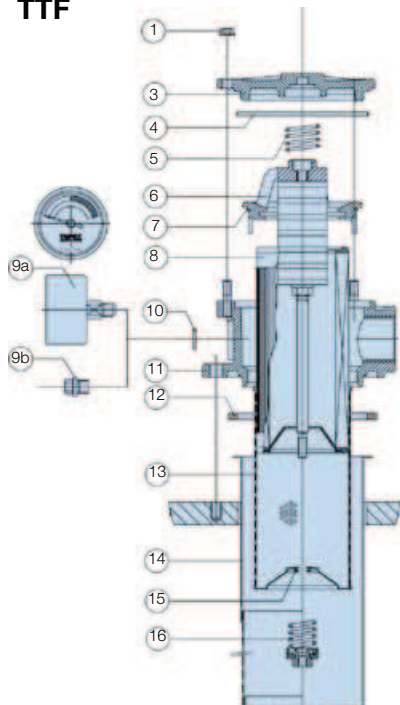
The *LEIF*[®] element is patented and safeguards the use of genuine parts.

Note: *LEIF*[®] element can be used with mineral and HEES type oils.

For other fluids consult Parker Filtration.

LEIF[®] contributes to ISO 14001 quality standards.

TTF



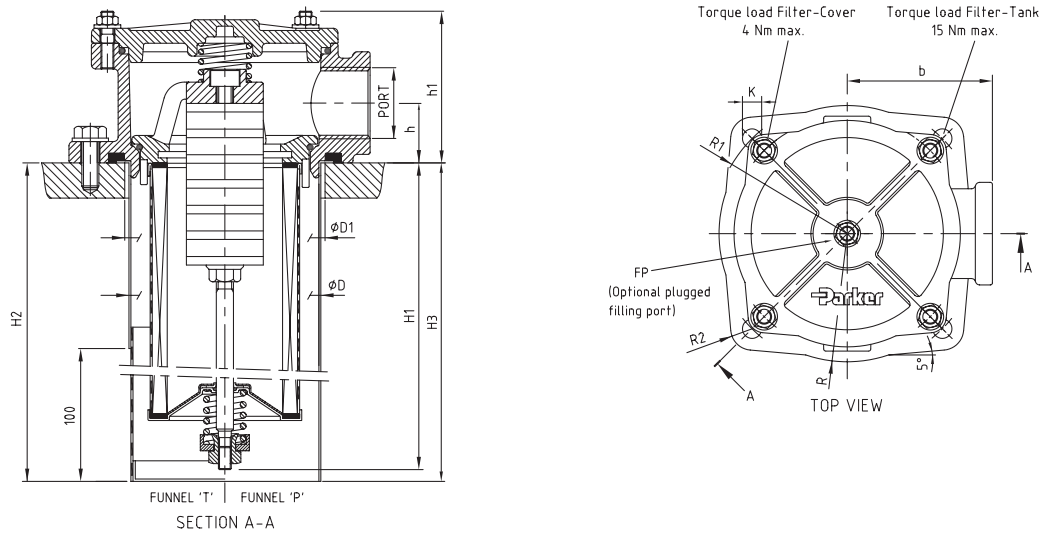
TTF sealkit: No. 4+7+12

| Ref. | No. | Description |
|------|-----|-----------------|
| 1 | 4 | Flange nut |
| 3 | 1 | Cover |
| 4 | 1 | Cover-seal |
| 5 | 1 | Top-spring |
| 6 | 1 | Insert |
| 7 | 1 | Insert-seal |
| 8 | 1 | Element |
| 9a | 0-1 | Indicator |
| 9b | 0-3 | Plug M10x1 |
| 10 | 0-3 | Unit-ring |
| 11 | 1 | Housing |
| 12 | 1 | Gasket |
| 13 | 1 | Sleeve |
| 14 | 1 | Funnel/diffuser |
| 15 | 1 | O-ring |
| 16 | 1 | Bypass set |

TTF Series

Tanktop Mounted Return Line Filters

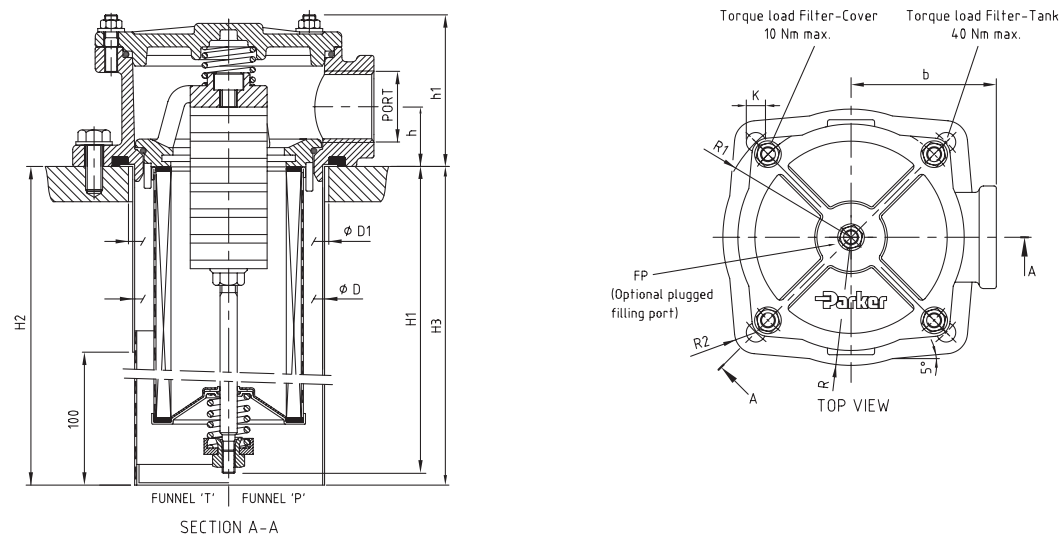
TTF Lengths 2-5 Single port



| TTF length | Type | Port option | h | h1 | ØD | ØD1 | H1 | H2 | H3 | b | R | R1 | R2 | K | FP |
|------------|-----------|------------------------------------|----|----|-----|-----|-----|-----|-----|----|----|----|----|------|-------------------------------|
| 2 | TTF 1-60 | G ³ / ₄ , G1 | 28 | 73 | Ø90 | Ø93 | 131 | 190 | 190 | 68 | 60 | 63 | 10 | 4xØ9 | G ¹ / ₂ |
| 3 | TTF 1-90 | | | | | | 175 | 190 | 190 | | | | | | |
| 4 | TTF 1-120 | | | | | | 225 | 330 | 330 | | | | | | |
| 5 | TTF 1-150 | | | | | | 325 | 420 | 420 | | | | | | |

Dimensions in mm

TTF Lengths 6-10 Single port

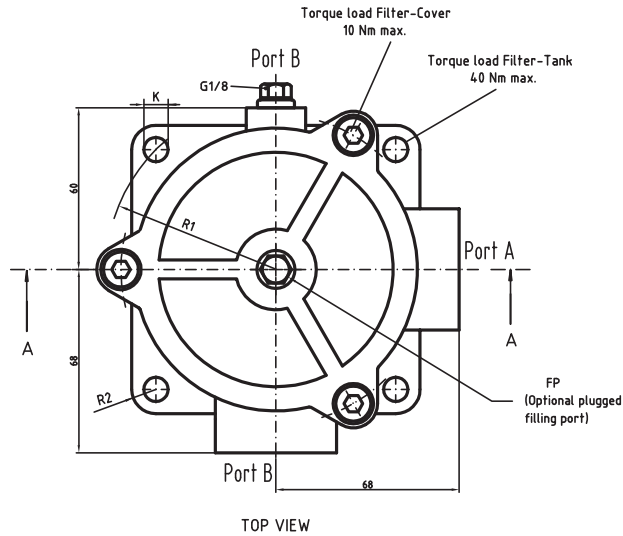
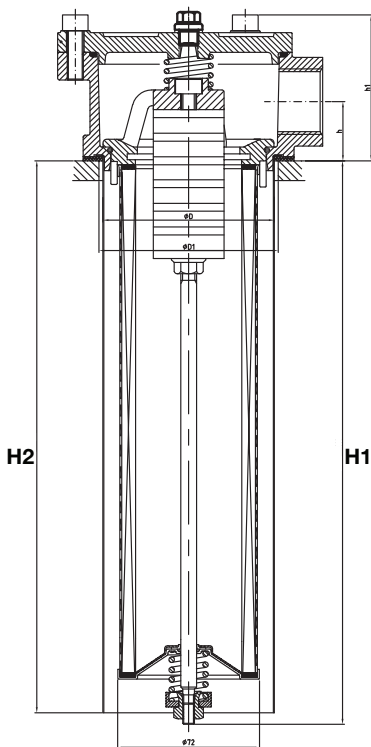


| TTF length | Type | Port option | h | h1 | ØD | ØD1 | H1 | H2 | H3 | b | R | R1 | R2 | K | FP |
|------------|-----------|---|----|----|------|------|-----|-----|-----|----|----|------|----|-------|-------------------------------|
| 6 | TTF 2-170 | G ¹ / ₄ , G ¹ / ₂ | 36 | 92 | Ø132 | Ø136 | 223 | 305 | 305 | 90 | 83 | 87.5 | 12 | 4xØ11 | G ³ / ₄ |
| 7 | TTF 2-230 | | | | | | 303 | 305 | 305 | | | | | | |
| 8 | TTF 2-300 | | | | | | 508 | 510 | 510 | | | | | | |
| 9 | TTF 2-400 | | | | | | 523 | 525 | 525 | | | | | | |
| 10 | TTF 2-500 | | | | | | 563 | 575 | 575 | | | | | | |

Dimensions in mm



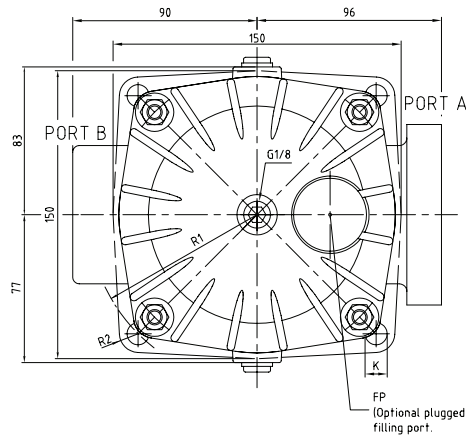
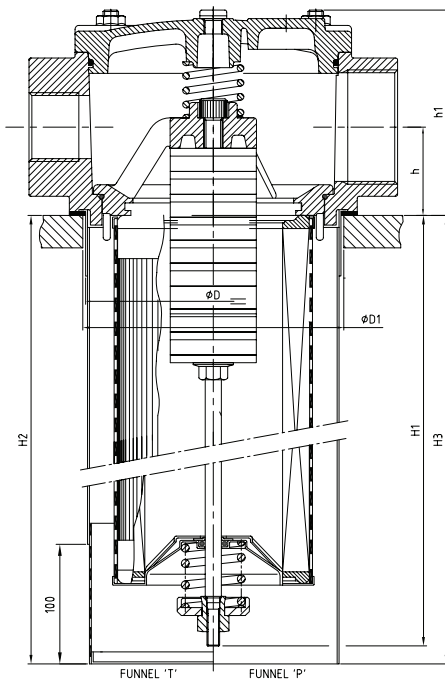
TTF Lengths 2-5 Dual port



| TTF length | Type | Port option A - B | h | h1 | ØD | ØD1 | H1 | H2 | b | R | R1 | R2 | K | FP |
|------------|-----------|-------------------|----|----|-----|-----|-----|-----|----|----|------|----|-------|------|
| 2 | TTF 1-60 | G1 - G1 | 30 | 74 | Ø88 | Ø91 | 131 | 190 | 90 | 83 | 87.5 | 12 | 4xØ11 | G1/8 |
| 3 | TTF 1-90 | | | | | | 175 | 170 | | | | | | |
| 4 | TTF 1-120 | | | | | | 225 | 220 | | | | | | |
| 4A | TTF 1-140 | | | | | | 285 | 280 | | | | | | |
| 5 | TTF 1-150 | | | | | | 325 | 320 | | | | | | |
| 4B | TTF 1-175 | | | | | | 376 | 370 | | | | | | |

Dimensions in mm

TTF Lengths 6-10 Dual port



| TTF length | Type | Dual Port option A-B | h | h1 | ØD | ØD1 | H1 | H2 | H3 | R | R1 | R2 | K | FP |
|------------|-----------|----------------------|----|-----|------|------|-----|-----|-----|----|------|----|-------|----|
| 6 | TTF 2-170 | G1½ - G1½ | 46 | 107 | Ø132 | Ø136 | 223 | 318 | 318 | 83 | 87.5 | 12 | 4xØ11 | G1 |
| 7 | TTF 2-230 | | | | | | 303 | 318 | 318 | | | | | |
| 8 | TTF 2-300 | | | | | | 508 | 538 | 538 | | | | | |
| 9** | TTF 2-400 | SAE 1½ - G1½ | | | | | 523 | 538 | 538 | | | | | |
| 10** | TTF 2-500 | | | | | | 563 | 578 | 578 | | | | | |

Dimensions in mm

TTF Series

Tanktop Mounted Return Line Filters

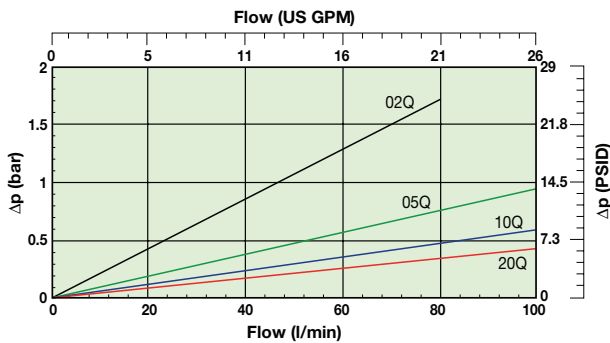
Pressure Drop Curves

The recommended level of the initial pressure drop for low pressure filters is max 0.5 bar.

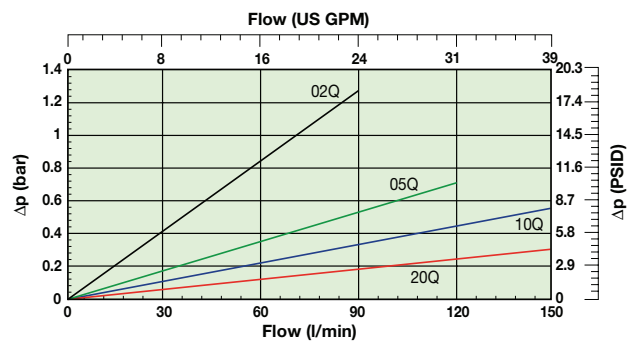
If the medium used has a viscosity different from 32cSt, pressure drop over the filter can be estimated as follows:

$$\Delta p = (\Delta p_{32} \times \text{viscosity of medium used}) / 32\text{cSt}$$

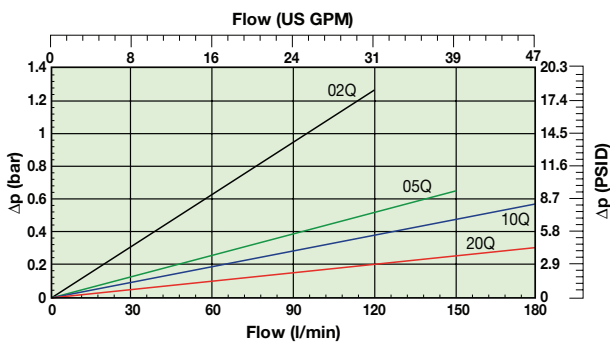
TTF60 (Element length code 2)



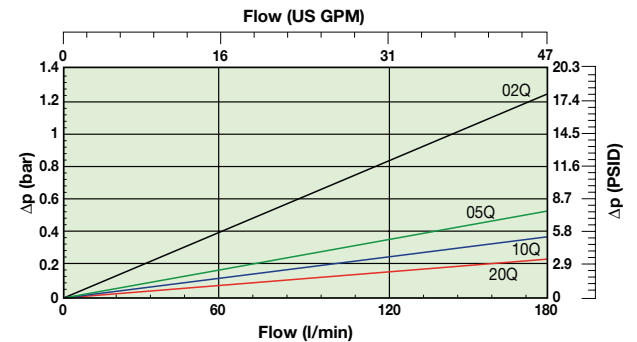
TTF90 (Element length code 3)



TTF120 (Element length code 4)



TTF150 (Element length code 5)



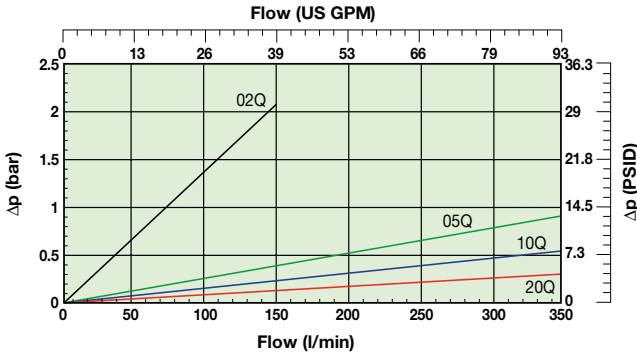
Pressure Drop Curves (cont.)

The recommended level of the initial pressure drop for low pressure filters is max 0.5 bar.

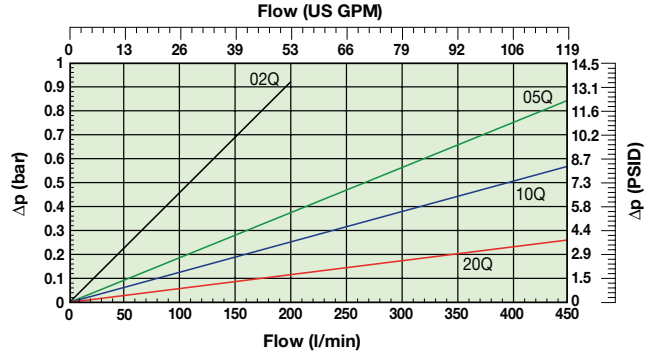
If the medium used has a viscosity different from 32cSt, pressure drop over the filter can be estimated as follows:

$$\Delta p = (\Delta p_{32} \times \text{viscosity of medium used}) / 32\text{cSt}$$

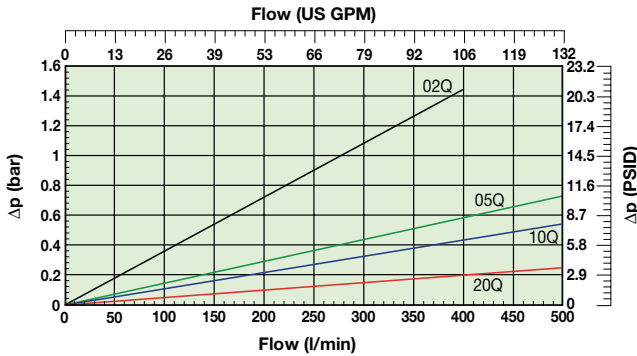
TTF170 (Element length code 6)



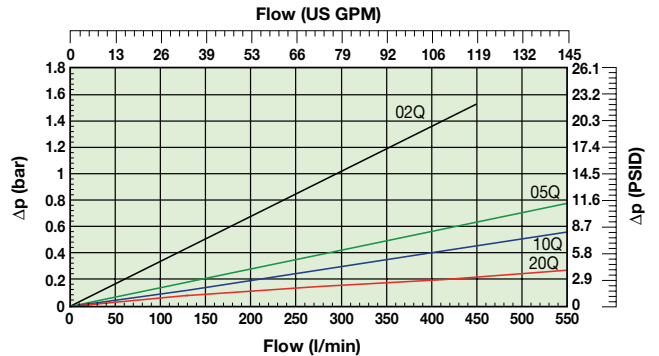
TTF230 (Element length code 7)



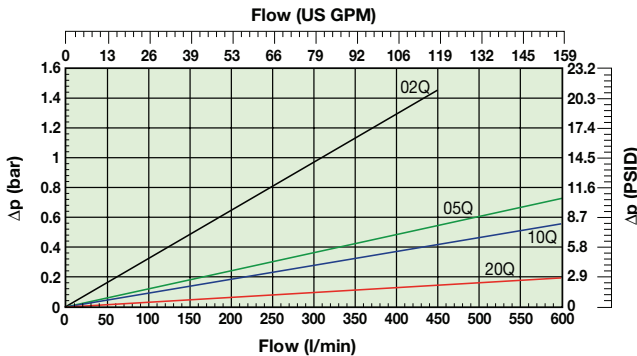
TTF300 (Element length code 8)



TTF400 (Element length code 9)



TTF500 (Element length code 10)

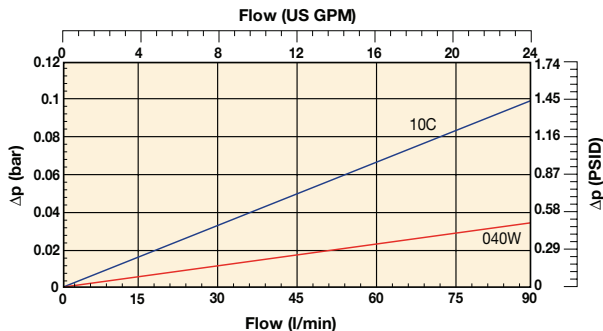


TTF Series

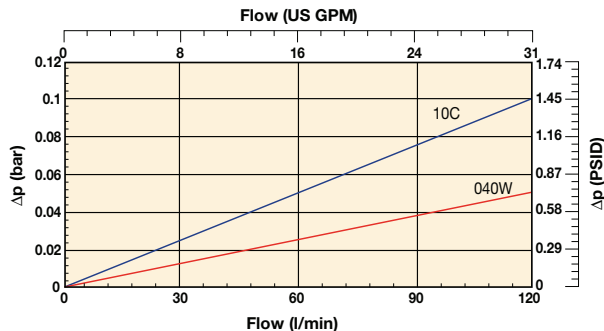
Tanktop Mounted Return Line Filters

Pressure Drop Curves (cont.)

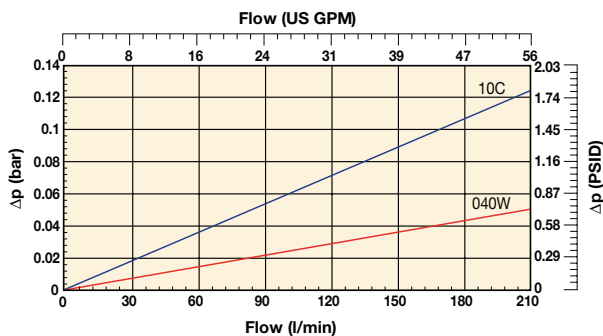
TTF60 (Element length code 2)
Cellulose & stainless steel media



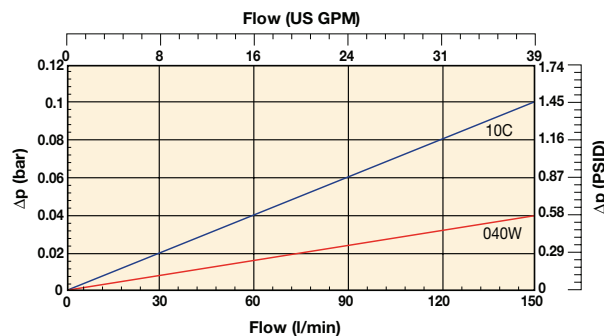
TTF90 (Element length code 3)
Cellulose & stainless steel media



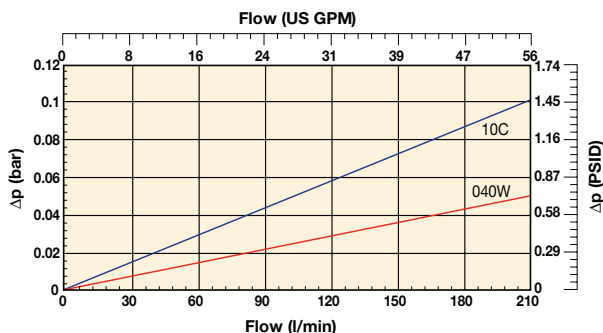
TTF120 (Element length code 4)
Cellulose & stainless steel media



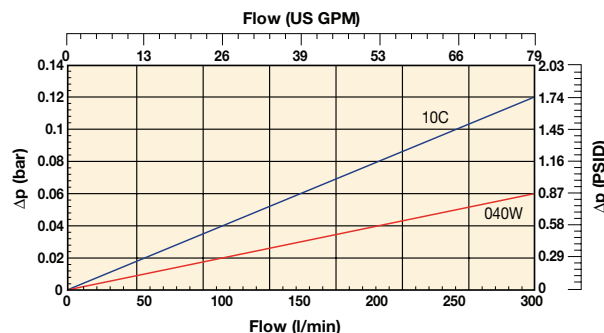
TTF150 (Element length code 5)
Cellulose & stainless steel media



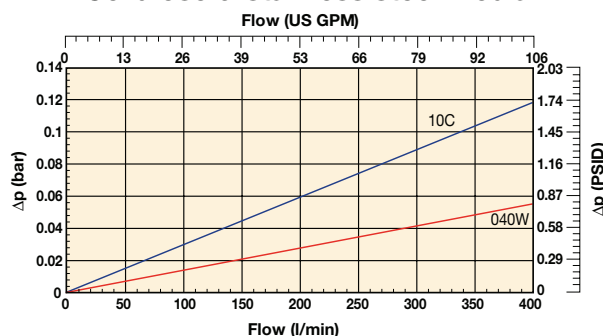
TTF170 (Element length code 6)
Cellulose & stainless steel media



TTF230 (Element length code 7)
Cellulose & stainless steel media



TTF300 (Element length code 8)
Cellulose & stainless steel media

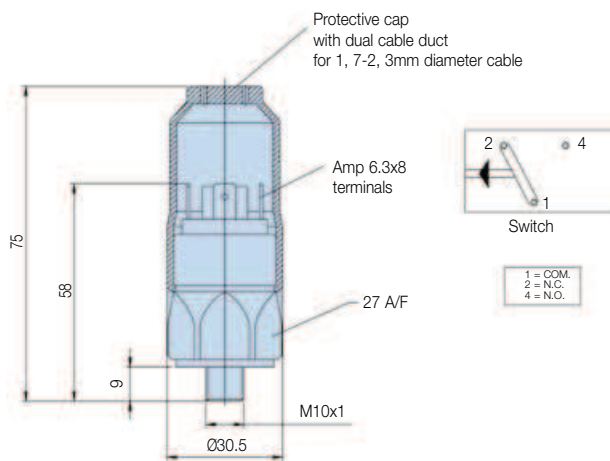


TTF Series

Tanktop Mounted Return Line Filters

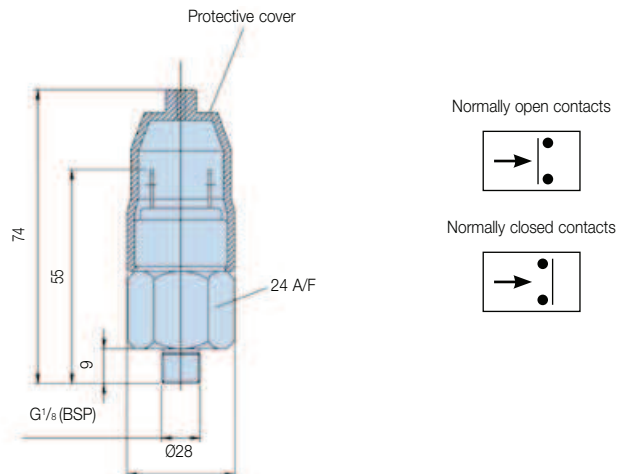
Indicator Options

Indicator PS pressure switch



| Specifications | |
|-------------------|--|
| Elec.rating | 42V / 4A |
| Thread connection | M10x1 |
| Elec.connection | AMP 6.3x0.8 terminals + protective cap |
| Protection | IP65 (with cap) terminals IP00 |
| Code | FMUS1EBMM10L (Switch) |

Indicator PS NO/NC pressure switch



| Specifications | |
|-------------------|--|
| Elec.rating | 42V / 2A |
| Thread connection | G1/8 |
| Elec.connection | AMP terminal 6.3x0.8 |
| Protection | IP65 (terminal IP00) |
| Switch type | NO or NC |
| Code | FMUS2EBMG02L (NO switch) FMUS3EBMG02L (NC switch) |

Indicator Connection / Filter Head Matrix

| Port(s) Filter head | Indicator Thread |
|--|------------------|
| TTF ISO 228-G ³ / ₄ " (BSP) (TTF length 2,3,4 and 5) | M10 |
| ISO 228-G1" (BSP) | M10 |
| ISO 228-G1 ¹ / ₂ " (BSP) (TTF length 6 and larger) | M10 |
| 2xISO 228-G1 ¹ / ₄ " (BSP) (TTF length 6 and larger) | G1/8" |
| ISO 228-G1 ¹ / ₂ "(BSP) (TTF length 6 and larger) | M10 |
| 2xISO 228-G1 ¹ / ₂ "(BSP) (TTF length 6 and larger) | G1/8" |
| 1 ¹ / ₂ " SAE-3000 PSI (TTF length 6 and larger) | G1/8" |
| 1 ¹ / ₂ " SAE-3000 PSI (2nd port) + G1 ¹ / ₂ " (TTF length 6 and larger) | G1/8" |
| G2" (TTF length 6 and larger) | G1/8" |
| G2" + G1 ¹ / ₂ " (TTF length 6 and larger) | G1/8" |

| Visual indicator | |
|------------------|--------------|
| Visual indicator | 1.2 bar |
| M10: code | FMUG1EBPM10L |
| G1/8: code | FMUG2EBPG02L |

Ordering Information

Standard products table

| Part number | Supersedes | Flow (l/min) | Model number | Element length | Media rating (µ) | Seals | Indicator | Bypass settings | Ports | Included options | Replacement elements | Supersedes |
|-------------------|--|--------------|--------------|----------------|------------------|---------|-----------|------------------|--------------------------------|------------------|----------------------|------------|
| TTF310QLBP2EG121 | TTF90-G ³ / ₄ TXWL3-10 B15 MM | 90 | TTF90 | Length 3 | 10 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G ³ / ₄ | None | 937878Q | TXWL3-10 |
| TTF320QLBP2EG121 | TTF90-G ³ / ₄ TXWL3-20 B15 MM | 90 | TTF90 | Length 3 | 20 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G ³ / ₄ | None | 937877Q | TXWL3-20 |
| TTF510QLBP2EG161 | TTF125-G1 TXWL3E-10 B15 MM | 125 | TTF125 | Length 5 | 10 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 | None | 937852Q | TXWL3E-10 |
| TTF520QLBP2EG161 | TTF125-G1 TXWL3E-20 B15 MM | 125 | TTF125 | Length 5 | 20 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 | None | 937875Q | TXWL3E-20 |
| TTF610QLBP2EG203 | TTF170-G1 ¹ / ₄ TXWL4-10 T B15 MM | 170 | TTF170 | Length 6 | 10 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₄ | Diffuser type T | 937853Q | TXWL4-10 |
| TTF620QLBP2EG203 | TTF170-G1 ¹ / ₄ TXWL4-20 T B15 MM | 170 | TTF170 | Length 6 | 20 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₄ | Diffuser type T | 937874Q | TXWL4-20 |
| TTF810QLBP2EG243 | TTF300-G1 ¹ / ₂ TXWL5A-10 T B15 MM | 300 | TTF300 | Length 8 | 10 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₂ | Diffuser type T | 937855Q | TXWL5A-10 |
| TTF820QLBP2EG243 | TTF300-G1 ¹ / ₂ TXWL5A-20 T B15 MM | 300 | TTF300 | Length 8 | 20 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₂ | Diffuser type T | 937872Q | TXWL5A-20 |
| TTF1010QLBP2EG24A | TTF500-G1 ¹ / ₂ TXWL5C-10 T B15 MM NMG | 500 | TTF500 | Length 10 | 10 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₂ | Diffuser type T | 937857Q | TXWL5C-10 |
| TTF1020QLBP2EG24A | TTF500-G1 ¹ / ₂ TXWL5C-20 T B15 MM NMG | 500 | TTF500 | Length 10 | 20 | Nitrile | Plugged | 1.5 Bar (22 Psi) | G1 ¹ / ₂ | Diffuser type T | 937870Q | TXWL5C-20 |

Note: Filter assemblies ordered from the product configurator on the next page are on extended lead times. Where possible, please make your selection from the table above.

TTF Series

Tanktop Mounted Return Line Filters

Ordering Information (cont.)

Product configurator

Configurator example of a TTF Series filter

| | | | | | | | |
|------------|----------|-------------|----------|-----------|----------|------------|----------|
| Box 1 | Box 2 | Box 3 | Box 4 | Box 5 | Box 6 | Box 7 | Box 8 |
| TTF | 9 | 05QL | V | S3 | H | L24 | 1 |

| Box 1 | Box 2 | Box 3 |
|------------|----------------|---|
| Code | Filter type | Degree of filtration |
| TTF | Housing | Element media |
| | Code | Glass fibre |
| | TTF 1-60 | Microglass III (for disposable elements) |
| | TTF 1-90 | Cellulose |
| | TTF 1-120 | Nom. rating |
| | TTF 1-140 | Ecoglass III (for <i>Leif</i> ® elements) |
| | TTF 1-175 | |
| | TTF 1-150 | Wire mesh |
| | TTF 1-170 | Abs. rating |
| | TTF 2-230 | Disposible element |
| | TTF 2-300 | 10C |
| | TTF 2-400 | 02Q |
| | TTF 2-500 | 05Q |
| | | 10Q |
| | | 20Q |
| | | 040W |
| | | LEIF® element |
| | | 02QL |
| | | 05QL |
| | | 10QL |
| | | 20QL |

| Box 4 | Seal type |
|-------|----------------------|
| | Seal material |
| | Code |
| | Nitrile |
| | B |
| | Fluorelastomer |
| | V |
| | Neoprene |
| | On request |

| Box 5 | Indicator |
|-------|--|
| | Code |
| | Pressure gauge, setting 1.2 bar, M10x1* |
| | G1 |
| | Pressure gauge, setting 1.2 bar, G $\frac{1}{8}$ for dual head ports |
| | G2 |
| | Pressure switch 42V, 1.2 bar setting, NO/NC, M10x1* |
| | S1 |
| | Pressure switch 42V, 1.2 bar setting, NO with G $\frac{1}{8}$ BSP* |
| | S2 |
| | Pressure switch 42V, 1.2 bar setting, NC with G $\frac{1}{8}$ BSP* |
| | S3 |
| | Pressure switch 250V, NO/NC with G $\frac{1}{8}$ * |
| | S4 |
| | Pressure switch 220V, NO/NC with M10* |
| | S5 |
| | No indicator, indicator ports not machined |
| | On request |
| | No indicator, indicator ports L + R plugged |
| | P2 |
| | Other settings for indicators / gauges on request |
| | on request |

| Box 6 | Bypass valve |
|-------|------------------------|
| | Bypass valve |
| | Code |
| | 0.8 bar |
| | B |
| | 1.5 bar |
| | E |
| | 2.0 bar for TTF series |
| | H |
| | Blocked bypass |
| | X |
| | Other bypass settings |
| | on request |

Note: * HEAD HAS PLUGGED INDICATOR CONNECTIONS L+R
 Note: Also see the table indicator Connection/Filter Head Matrix on page 29

| Box 7 | Filter connection |
|-------|--|
| | Ports |
| | ISO 228-G $\frac{1}{4}$ " (BSP) (TTF length 2,3,4 and 5) |
| | G12 |
| | ISO 228-G1" (BSP) (TTF length 2,3,4 and 5) |
| | G16 |
| | ISO 228-G1 $\frac{1}{2}$ " (BSP) (TTF length 6 and larger) |
| | G20 |
| | ISO 228-G1 $\frac{1}{2}$ " (BSP) (TTF length 6 and larger) |
| | G24 |
| | 2xISO 228-G1 $\frac{1}{2}$ " (BSP) (TTF length 6 and larger) |
| | 2G24 |
| | 1 $\frac{1}{2}$ " SAE-3000 PSI (TTF length 6 and larger) |
| | On request |
| | 1 $\frac{1}{2}$ " SAE-3000 PSI (2nd port) + G1 $\frac{1}{2}$ " (TTF length 6 and larger) |
| | LD24 |
| | G2" (TTF length 6 and larger) |
| | On request |
| | G2" + G1 $\frac{1}{2}$ " (TTF length 6 and larger) |
| | GM32 |

| Box 8 | Options |
|-------|---|
| | Options |
| | Code |
| | No diffuser required |
| | 1 |
| | Diffuser type T with perforated plate area |
| | 3 |
| | Diffuser type P without perforated plate area |
| | 4 |
| | Funnel with integrated hose connection for TTF lengths 2, 3 and 4 |
| | On request |
| | No magnets |
| | 5 |
| | Plugged filling port |
| | 8 |
| | Diffuser type T and no magnets |
| | A |
| | Diffuser type P and no magnets |
| | B |
| | Diffuser type T, no magnets, plugged filling port |
| | C |
| | Diffuser type P, no magnets, plugged filling port |
| | D |
| | Air tight diffuser type T |
| | G |
| | Air tight diffuser type P |
| | H |
| | Other combinations |
| | on request |
| | ATEX certified* |
| | (Category 2, non-electrical equipment) |
| | EX |

Note 1: TTF size 2-400 and 2-500 are standard supplied without magnets.
 Note 2*: For ATEX classified filters add EX after the code.
 For ATEX classified filters with electrical indicator are available on request.
 Visual indicators are classified as Category 2, non electrical equipment.
 Filter assemblies with EX code will be supplied with a dedicated name plate.
 Pls consult Parker Filtration for any questions related to the classification of our products.

| Degree of filtration | | | | | | Media code |
|---|---------------|---------------|----------------|----------------|-----------------|-----------------|
| Average filtration beta ratio β (ISO 16889) / particle size μm [c] | | | | | | |
| $\beta(x)=2$ | $\beta(x)=10$ | $\beta(x)=75$ | $\beta(x)=100$ | $\beta(x)=200$ | $\beta(x)=1000$ | |
| % efficiency, based on the above beta ratio ($\beta(x)$) | | | | | | |
| 50.0% | 90.0% | 98.7% | 99.0% | 99.5% | 99.9% | |
| N/A | N/A | N/A | N/A | N/A | 4.5 | 02Q/02QL |
| N/A | N/A | 4.5 | 5 | 6 | 7 | 05Q/05QL |
| N/A | 6 | 8.5 | 9 | 10 | 12 | 10Q/10QL |
| 6 | 11 | 17 | 18 | 20 | 22 | 20Q/20QL |

Highlights Key (Denotes part number availability)

| | |
|------------|-------------------------------|
| 123 | Item is standard |
| 123 | Item is standard green option |
| 123 | Item is semi standard |
| 123 | Item is non standard |



Ordering Information (cont.)

Supersedes Spare Element table (TXWL & PXWL replaced by 900000 number)

| | | | | |
|---------------------------|----------|----------|-----------|-----------|
| TTF60 | TXWL2-2 | TXWL2-5 | TXWL2-10 | TXWL2-20 |
| Part number spare element | 937823Q | 937880Q | 937881Q | 937882Q |
| TTF90 | TXWL3-2 | TXWL3-5 | TXWL3-10 | TXWL3-20 |
| Part number spare element | 937824Q | 937879Q | 937878Q | 937877Q |
| TTF120 | TXWL3D-2 | TXWL3D-5 | TXWL3D-10 | TXWL3D-20 |
| Part number spare element | 937825Q | 937850Q | 937851Q | 937876Q |
| TTF150 | TXWL3E-2 | TXWL3E-5 | TXWL3E-10 | TXWL3E-20 |
| Part number spare element | 937826Q | 937849Q | 937852Q | 937875Q |
| TTF170 | TXWL4-2 | TXWL4-5 | TXWL4-10 | TXWL4-20 |
| Part number spare element | 937827Q | 937848Q | 937853Q | 937874Q |
| TTF230 | TXWL5-2 | TXWL5-5 | TXWL5-10 | TXWL5-20 |
| Part number spare element | 937828Q | 937847Q | 937854Q | 937873Q |
| TTF300 | TXWL5A-2 | TXWL5A-5 | TXWL5A-10 | TXWL5A-20 |
| Part number spare element | 937829Q | 937846Q | 937855Q | 937872Q |
| TTF400 | TXWL5B-2 | TXWL5B-5 | TXWL5B-10 | TXWL5B-20 |
| Part number spare element | 937830Q | 937845Q | 937856Q | 937871Q |
| TTF500 | TXWL5C-2 | TXWL5C-5 | TXWL5C-10 | TXWL5C-20 |
| Part number spare element | 937831Q | 937844Q | 937857Q | 937870Q |

Supersedes Spare Element table (TXW & TXX replaced by 900000 number)

| | | | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------|-----------|
| TTF60 | TXW2-10-B | TXW2-2-B | TXW2-5-B | TXW2-10-B | TXW2-20-B | ST2-40-B |
| Part number spare element | 937721 | 937751Q | 937754Q | 937787Q | 937790Q | 937820 |
| TTF90 | TXX3-10-B | TXW3-2-B | TXW3-5-B | TXW3-10-B | TXW3-20-B | ST3-40-B |
| Part number spare element | 937722 | 937750Q | 937755Q | 937786Q | 937791Q | 937819 |
| TTF120 | TXX3D-10-B | TXW3D-2-B | TXW3D-5-B | TXW3D-10-B | TXW3D-20-B | ST3D-40-B |
| Part number spare element | 937723 | 937749Q | 937756Q | 937785Q | 937792Q | 937818 |
| TTF140 | FC1260.C010.BS | FC1260.Q002.XS | FC1260.Q005.XS | FC1260.Q010.XS | FC1260.Q020.XS | |
| Part number spare element | 1180309260-01 | 937977Q | 937978Q | 937956Q | 937957Q | |
| TTF150 | TXX3E-10-B | TXW3E-2-B | TXW3E-5-B | TXW3E-10-B | TXW3E-20-B | ST3E-40-B |
| Part number spare element | 937724 | 937748Q | 937757Q | 937784Q | 937793Q | 937817 |
| TTF170 | TXX4-10-B | TXW4-2-B | TXW4-5-B | TXW4-10-B | TXW4-20-B | ST4-40-B |
| Part number spare element | 937725 | 937747Q | 937758Q | 937783Q | 937794Q | 937816 |
| TTF175 | | FC1275.Q002.XS | FC1275.Q005.XS | FC1275.Q010.XS | FC1260.Q020.XS | |
| Part number spare element | | 937979Q | 937980Q | 937981Q | 937982Q | |
| TTF230 | TXX5-10-B | TXW5-2-B | TXW5-5-B | TXW5-10-B | TXW5-20-B | ST5-40-B |
| Part number spare element | 937726 | 937746Q | 937759Q | 937782Q | 937795Q | 937815 |
| TTF300 | TXX5A-10-B | TXW5A-2-B | TXW5A-5-B | TXW5A-10-B | TXW5A-20-B | ST5A-40-B |
| Part number spare element | 937727 | 937745Q | 937760Q | 937781Q | 937796Q | 937814 |

TTF Series Seal Kit

| TTF Filter connections | Nitrile Seal Kit |
|--|-------------------|
| Ports | Part Number |
| ISO 228-G ¹ / ₄ " (BSP) (TTF length 2,3,4 and 5) | 2049010012 |
| ISO 228-G1" (BSP) (TTF length 2,3,4 and 5) | 2049010012 |
| ISO 228-G1 ¹ / ₂ " (BSP) (TTF length 6 and larger) | 2049010013 |
| 2xISO 228-G1 ¹ / ₂ " (BSP) (TTF length 6 and larger) | 918045035 |
| ISO 228-G1 ¹ / ₂ " (BSP) (TTF length 6 and larger) | 2049010013 |
| 2xISO 228-G1 ¹ / ₂ " (BSP) (TTF length 6 and larger) | 918045035 |
| 1 ¹ / ₂ " SAE-3000 PSI (TTF length 6 and larger) | 918045035 |
| 1 ¹ / ₂ " SAE-3000 PSI (2nd port) + G1 ¹ / ₂ " (TTF length 6 and larger) | 918045035 |
| G2" (TTF length 6 and larger) | 918045035 |
| G2" + G1 ¹ / ₂ " (TTF length 6 and larger) | 918045035 |