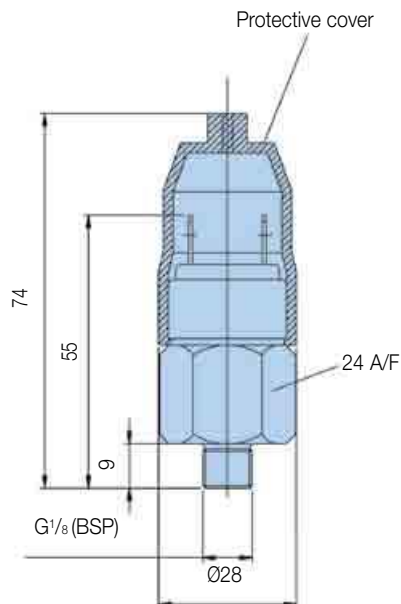


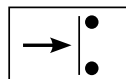
STF Series

Return Line Filters

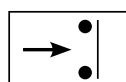
Indicator PS NO/NC pressure switch



Normally open contacts



Normally closed contacts



Specifications	
Electrical rating	42V / 2A
Thread connection	G1/8"
Electrical connection	AMP terminal 6.3x0.8
Protection	IP65 (terminal IP00)
Switch type	NO or NC
Indicator setting	1.2 bar (0.7 bar on request)
Code	FMUS2EBMG02L (NO type switch)
	FMUS3EBMG02L (NC type switch)

Visual indicator	Code
1.2 bar	FMUG2EBPG02L

LEIF Spare Element table				
	2 micron	5 micron	10 micron	20 micron
STF170 Part number spare element	937827Q	937848Q	937853Q	937874Q
STF230 Part number spare element	937828Q	937847Q	937854Q	937873Q
STF300 Part number spare element	937829Q	937846Q	937855Q	937872Q
STF400 Part number spare element	937830Q	937845Q	937856Q	937871Q
STF500 Part number spare element	937831Q	937844Q	937857Q	937870Q

Conventional Spare Element table Microglass III Media						
	10 micron cellulose	2µ Microglass III	5µ Microglass III	10µ Microglass III	20µ Microglass III	40 micron stainless steel mesh
STF170 Part number spare element	937725	937747Q	937758Q	937783Q	937794Q	937816
STF230 Part number spare element	937726	937746Q	937759Q	937782Q	937795Q	937815
STF300 Part number spare element	937727	937745Q	937760Q	937781Q	937796Q	937814

Ordering Information

Standard products table											
Part Number	Flow (l/min)	Model Number	Element Length	Media Rating (u)	Seals	Indicator	Bypass Setting	Ports	Included Options	Replacement Elements	
STF810QLBP2ELC24G	300	STF300	8	10	Nitrile	Plugged	1.5 Bar	11/2"SAE-flange	Airtight funnel typeT	937855Q	
STF820QLBP2ELC24G	300	STF300	8	20	Nitrile	Plugged	1.5 Bar	11/2"SAE-flange	Airtight funnel typeT	937872Q	
STF1010QLBP2ELC24G	500	STF500	10	10	Nitrile	Plugged	1.5 Bar	11/2"SAE-flange	Airtight funnel typeT	937857Q	
STF1020QLBP2ELC24G	500	STF500	10	20	Nitrile	Plugged	1.5 Bar	11/2"SAE-flange	Airtight funnel typeT	937870Q	

Product configurator
Configurator example of a STF Series filter

Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8
STF	8	05QL	B	S2	E	LC24	G

Box 1	Box 2	Box 3																																																														
<table><tr><th>Code</th></tr><tr><td>STF</td></tr></table>	Code	STF	<table><tr><th colspan="2">Filter type</th></tr><tr><th>Housing</th><th>Code</th></tr><tr><td>STF 2-170</td><td>6</td></tr><tr><td>STF 2-230</td><td>7</td></tr><tr><td>STF 2-300</td><td>8</td></tr><tr><td>STF 2-400</td><td>9</td></tr><tr><td>STF 2-500</td><td>10</td></tr></table>	Filter type		Housing	Code	STF 2-170	6	STF 2-230	7	STF 2-300	8	STF 2-400	9	STF 2-500	10	<table><tr><th colspan="7">Degree of filtration</th></tr><tr><td rowspan="5">Element media</td><td>Nominal</td><td colspan="4">Filtration fineness absolute</td><td rowspan="3">Stainless steel mesh</td></tr><tr><td>Cellulose</td><td colspan="5">LEIF[®]</td></tr><tr><td></td><td colspan="5">Q3 glassfibre βx(c) >200</td></tr><tr><td>10µm</td><td>Q02 (2micron)</td><td>Q05 (5micron)</td><td>Q010 (10micron)</td><td>Q020 (20micron)</td><td>40µm</td></tr><tr><td>Disposable element</td><td>10C</td><td>02Q</td><td>05Q</td><td>10Q</td><td>20Q</td><td>040W</td></tr><tr><td></td><td>LEIF[®] element</td><td></td><td>02QL</td><td>05QL</td><td>10QL</td><td>20QL</td></tr></table>	Degree of filtration							Element media	Nominal	Filtration fineness absolute				Stainless steel mesh	Cellulose	LEIF [®]						Q3 glassfibre βx(c) >200					10µm	Q02 (2micron)	Q05 (5micron)	Q010 (10micron)	Q020 (20micron)	40µm	Disposable element	10C	02Q	05Q	10Q	20Q	040W		LEIF [®] element		02QL	05QL	10QL	20QL
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Box 4

Seal type	
Seal material	Code
Nitrile	B
Fluorelastomer	V

Box 5

Indicator	
	Code
Pressure gauge , setting 1.2 bar, G1/8	G2
Pressure switch 42V, 1.2 bar setting, NO with G1/8 BSP	S2
Pressure switch 42V, 1.2 bar setting, NC with G1/8 BSP	S3
Pressure switch 250V, NO/NC with G1/8	S4
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 STF series	H
Blocked bypass	X
Other bypass settings	on request

Box 7	Box 8																										
<table><tr><th>Filter connection</th><th>Code</th></tr><tr><td>Ports</td><td></td></tr><tr><td>1½" SAE-3000 M (G1¼" inside) + G1 (2nd port)</td><td>LC24</td></tr><tr><td>G1½" + G1" (2nd port)</td><td>GL24</td></tr></table>	Filter connection	Code	Ports		1½" SAE-3000 M (G1¼" inside) + G1 (2nd port)	LC24	G1½" + G1" (2nd port)	GL24	<table><tr><th>Options</th><th>Code</th></tr><tr><td>Options</td><td></td></tr><tr><td>No diffuser required</td><td>1</td></tr><tr><td>Diffuser type T with perforated plate area</td><td>3</td></tr><tr><td>Diffuser type P without perforated plate area</td><td>4</td></tr><tr><td>Airtight diffuser type T with perforated plate area</td><td>G</td></tr><tr><td>Airtight diffuser type P without perforated plate area</td><td>H</td></tr><tr><td>Other combinations</td><td>on request</td></tr><tr><td>ATEX certified* (Category 2, non-electrical equipment)</td><td>EX</td></tr></table>	Options	Code	Options		No diffuser required	1	Diffuser type T with perforated plate area	3	Diffuser type P without perforated plate area	4	Airtight diffuser type T with perforated plate area	G	Airtight diffuser type P without perforated plate area	H	Other combinations	on request	ATEX certified* (Category 2, non-electrical equipment)	EX
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Note 1: STF size 2-400 and 2-500 are standard supplied without magnets
Note 2*:For ATEX classified filters add EX after the code.
ATEX certified 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]						
βx(c)=2	βx(c)=10	βx(c)=75	βx(c)=100	βx(c)=200	βx(c)=1000	
% efficiency, based on the above beta ratio (βx)						
50.0%	90.0%	98.7%	99.0%	99.5%	99.9%	
N/A	N/A	N/A	N/A	N/A	4.5	
N/A	N/A	4.5	5	6	7	
N/A	6	8.5	9	10	12	
6	11	17	18	20	22	
						02Q/02QL
						05Q/05QL
						10Q/10QL
						20Q/20QL

STF Series Seal Kit	
Part number	Description
2049010076	NITRILE SEAL KIT STF

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

