

FILTERS



SPIN - ON

SP16 & 15

SUCTION - Upto 20 L/min

RETURN - Upto 90 L/min Page A1

SPIN - ON

SP52 & 50

SUCTION - Upto 45 L/min

RETURN - Upto 240 L/min Page A3

SPIN - ON

SP82 & 80

SUCTION - Upto 110 L/min

RETURN - Upto 290 L/min Page A5

SPIN - ON

SP102 & 100

SUCTION - Upto 130 L/min

RETURN - Upto 480 L/min Page A7

SUCTION ELEMENTS

LSE8 to 455

SUCTION - Upto 500 L/min

Page A9

TANK TOP

TT15, 30 & 60

RETURN - Upto 200 L/min

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TANK IMMERSED

TI08, 12, 16, 20, 24 & 32

RETURN - Upto 400 L/min

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FILTRATION UNITS

Page A15

SPIN-ON FILTERS

SUCTION - Upto 20 L/min
RETURN - Upto 90 L/min

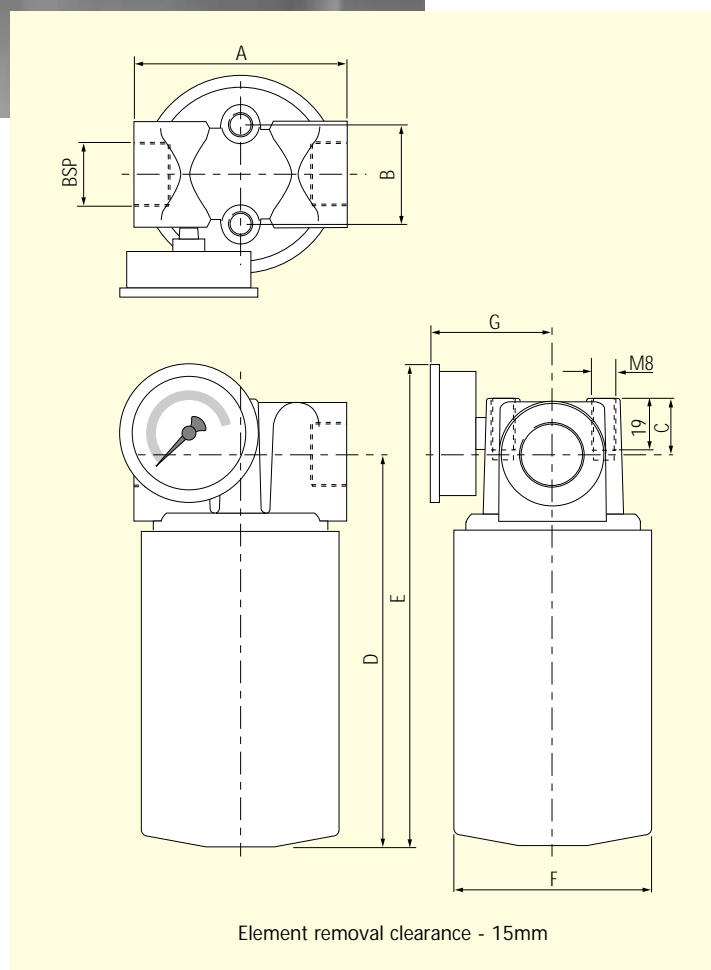


Specification

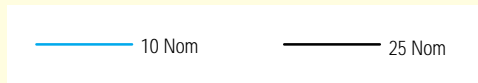
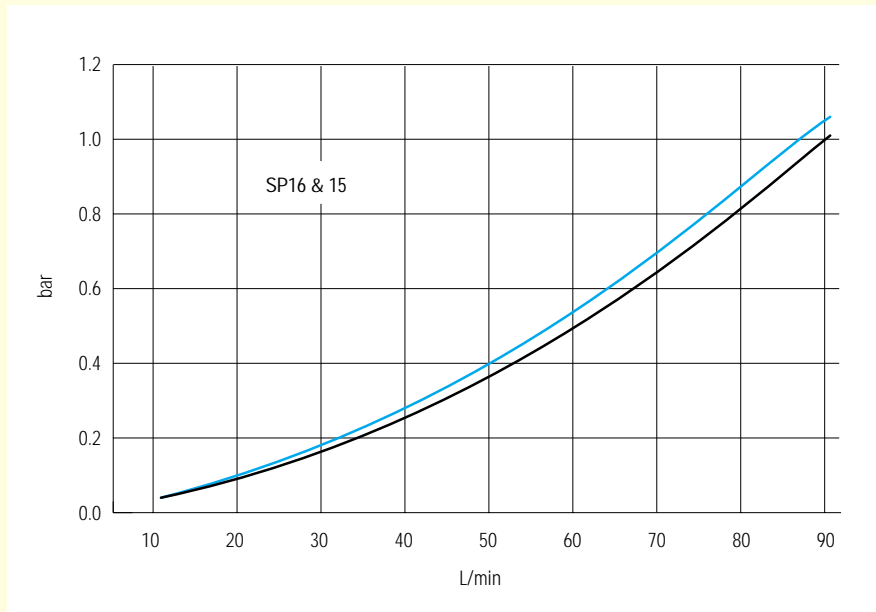
- 15 bar working pressure.
- Flows upto 90 L/min for return & 20 L/min for suction line.
- $\frac{3}{4}$ or 1" BSP ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -30 to +100° C.
- Aluminium head, buna-N seals.
- Media - 10 & 25 μ paper.

Options

By-pass valve settings.
 Indicators.

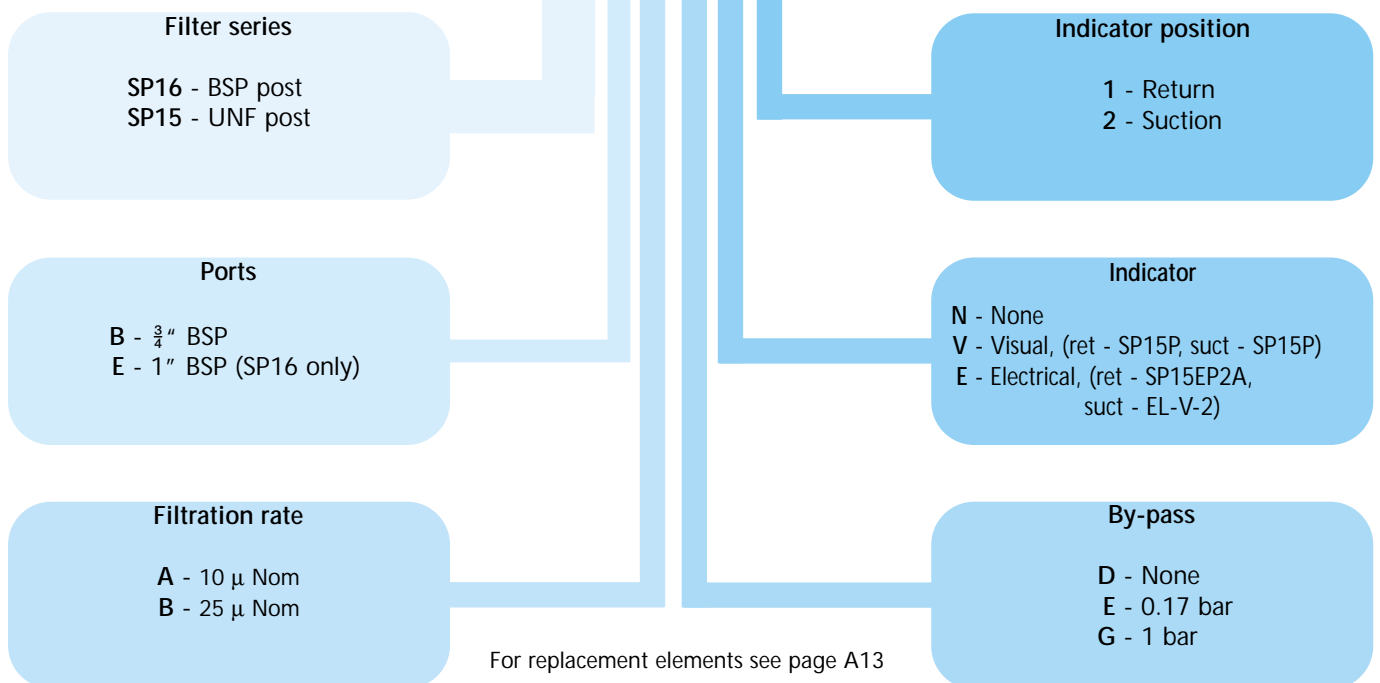


Series	Filter Post	Port thread BSP	Can length	Filtration rates available Micron	Dimensions - mm						
					A	B	C	D	E	F	G
SP16	BSP	$\frac{3}{4}$ or 1	Std	10 & 25 Nom	94	38	23	168	206	98	60
SP15	UNF	$\frac{3}{4}$	Std	10 & 25 Nom	94	38	23	168	206	98	60



ΔP @ 30cSt

Sample Part no:- **SP16 B-A G V 1**



SPIN-ON FILTERS

SUCTION - Upto 45 L/min
RETURN - Upto 240 L/min

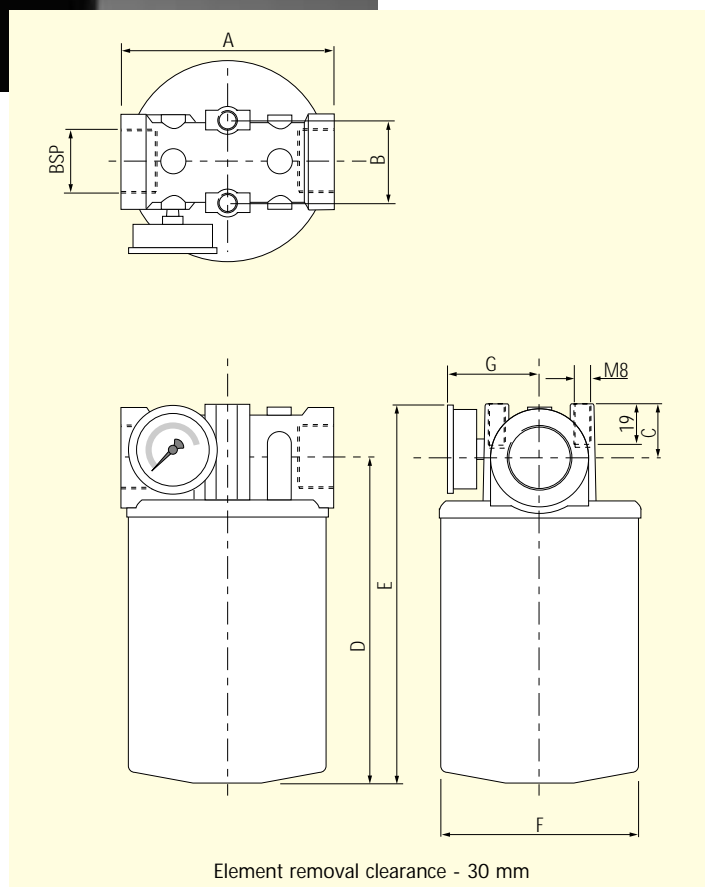


Specification

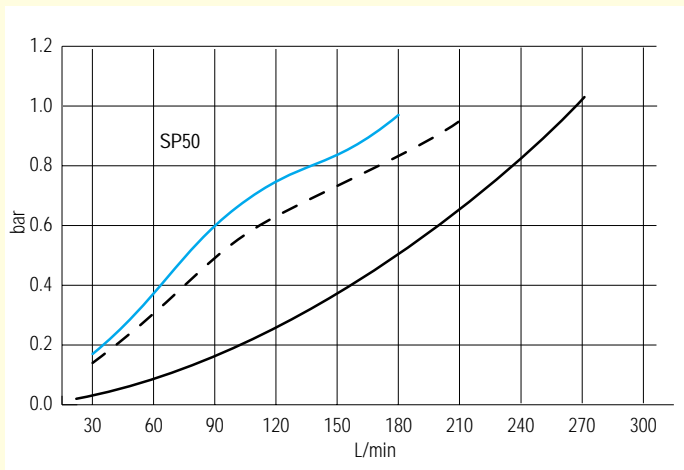
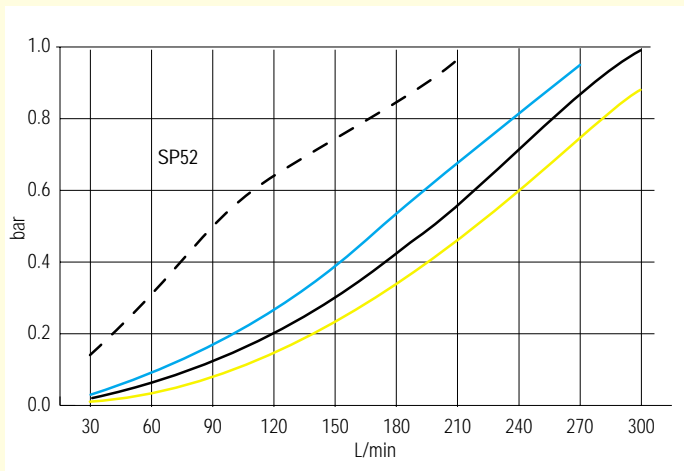
- 10 bar working pressure.
- Flows upto 240 L/min for return & 45 L/min for suction line.
- 1 1/4" BSP ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -30 to +100° C.
- Aluminium head, buna-N seals.
- Media:-
 10 & 25 µ Nom paper.
 10 µ water absorbing, cellulose backed water removal media.
 3 µ Abs metal reinforced synthetic fibre.
 125 µ Nom stainless steel.

Options

By-pass valve settings.
 Indicators.



Series	Filter Post	Port thread BSP	Can length	Filtration rates available Micron	Dimensions - mm						
					A	B	C	D	E	F	G
SP52	BSP	1 1/4	Std	3 Abs, 10, 25 & 125 Nom	134	48	30	210	246	127	69
SP50	UNF	1 1/4	Std	3 Abs, 10, 25 Nom, 10 water absorbing	134	48	30	204	240	127	69



- - - 3 Abs
- 10 Nom
- 25 Nom
- 125 Nom

ΔP @ 30cSt

Sample Part no:- SP52 B-A G V 1

Filter series
 SP52 - BSP post, std can
 SP50 - UNF post, std can

Ports
 B - 1 1/4" BSP

Filtration rate
 A - 10 μ Nom
 B - 25 μ Nom
 C - 3 μ Abs
 D - 125 μ Nom
 G - 10 μ water absorbing

Indicator position
 1 - Return
 2 - Suction

Indicator
 N - None
 V - Visual, (ret - SP15P, suct - SP15P)
 E - Electrical, (ret - SP15EP2A, suct - EL-V-2)

By-pass
 D - None
 E - 0.17 bar
 G - 1 bar

For replacement elements see page A13

SPIN-ON FILTERS

SUCTION - Upto 110L/min
RETURN - Upto 290L/min

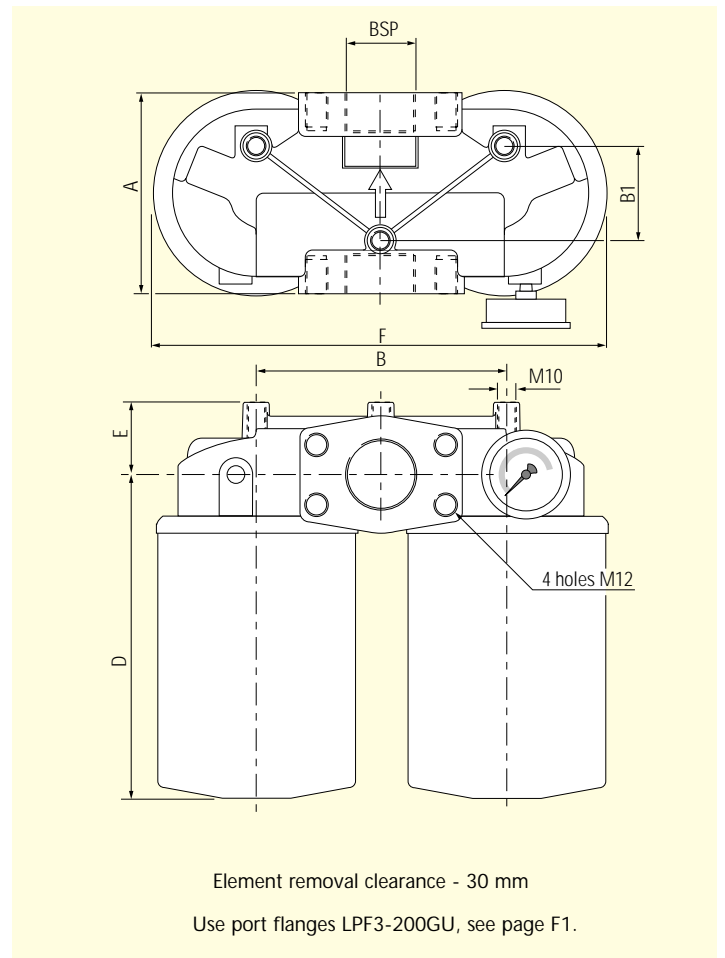


Specification

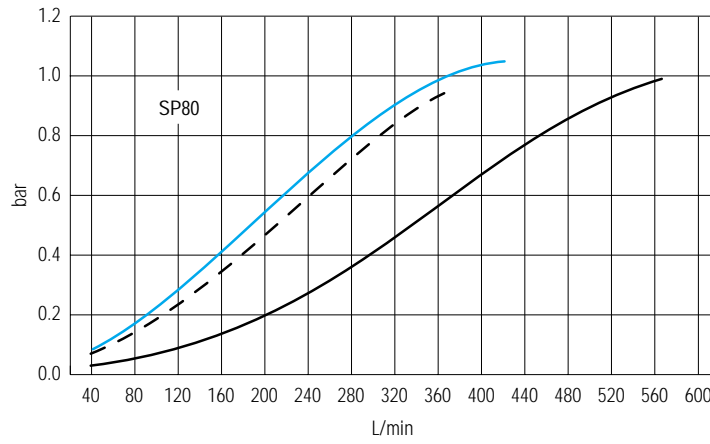
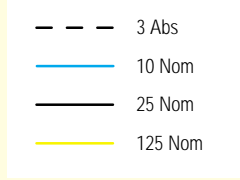
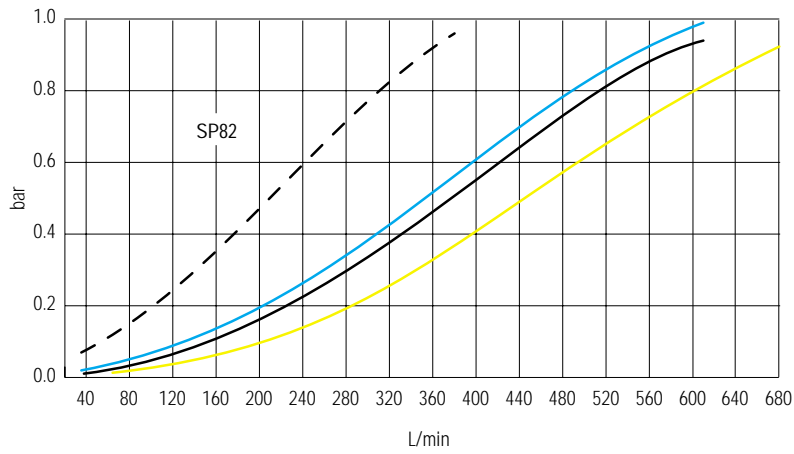
- 10 bar working pressure.
- Flows upto 290L/min for return & 110 L/min for suction line.
- 1½" BSP/1½" SAE Code 61 (3000) flange ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -25 to +100° C.
- Aluminium head, buna-N seals.
- Media:-
 10 & 25 µ Nom paper.
 10 µ water absorbing, cellulose backed water removal media.
 3 µ Abs metal reinforced synthetic fibre.
 125 µ Nom stainless steel.

Options

By-pass valve settings.
 Indicators



Series	Filter Post	Ports	Can length	Filtration rates available Micron	Dimensions - mm					
					A	B	B1	D	E	F
SP82	BSP	1½" BSP/1½" SAE flange	Std	3 Abs, 10, 25 & 125 Nom	130	150	60	218	47	283
SP80	UNF	1½" BSP/1½" SAE flange	Std	3 Abs, 10, 25 Nom, 10 water absorbing	130	150	60	212	47	283



ΔP @ 30cSt

Sample Part no:- SP82 B-A G V 1

Filter series
 SP82 - BSP post, std can
 SP80 - UNF post, std can

Ports
 B - 1½" BSP/1½" SAE flange

Filtration rate
 A - 10 μ Nom
 B - 25 μ Nom
 C - 3 μ Abs
 D - 125 μ Nom
 G - 10 μ water absorbing

Indicator position
 1 - Return
 2 - Suction

Indicator
 N - None
 V - Visual, (ret - SP15P, suct - SP15P)
 E - Electrical, (ret - SP15EP2A, suct - EL-V-2)

By-pass
 D - None
 E - 0.17 bar
 G - 1 bar

For replacement elements see page A13

SPIN-ON FILTERS

SUCTION - Upto 130 L/min
RETURN - Upto 480 L/min

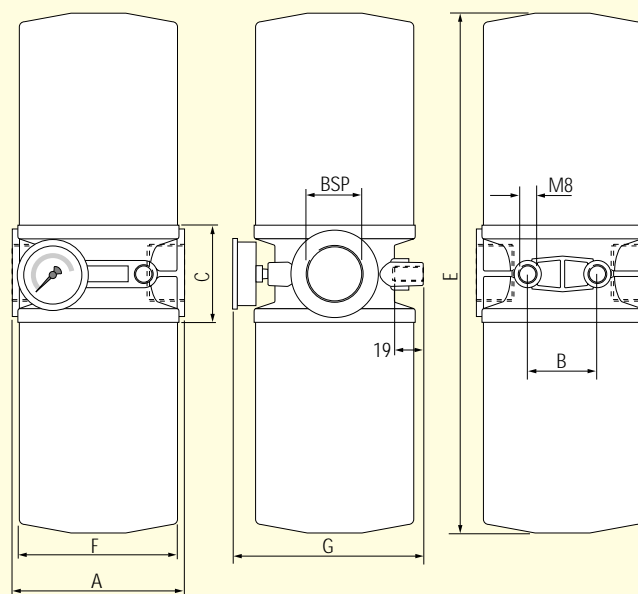


Specification

- 10 bar working pressure.
- Flows upto 480 L/min for return & 130 L/min for suction line.
- 1½" BSP ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -30 to +100° C.
- Aluminium head, buna-N seals.
- Media:-
 10 & 25 µ Nom paper.
 10 µ water absorbing, cellulose backed water removal media.
 3 µ Abs metal reinforced synthetic fibre.
 125 µ Nom stainless steel.

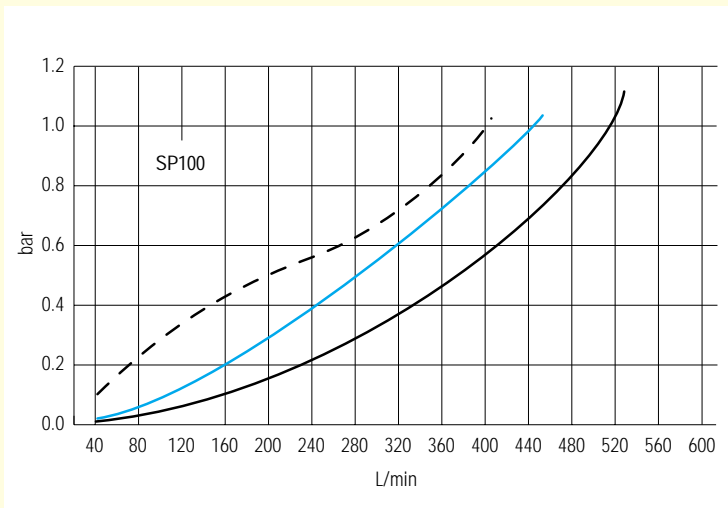
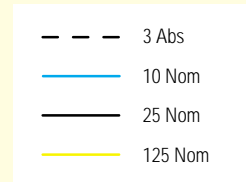
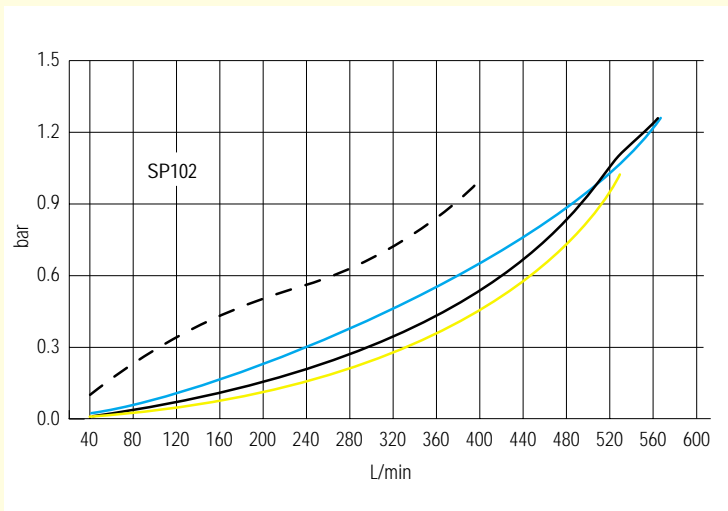
Options

By-pass valve settings.
 Indicators



Element removal clearance - 30 mm

Series	Filter Post	Port thread BSP	Can length	Filtration rates available Micron	Dimensions - mm					
					A	B	C	E	F	G
SP102	BSP	1½	Std	3 Abs, 10, 25 & 125 Nom	140	65	70	439	131	160
SP100	UNF	1½	Std	3 Abs, 10 & 25 Nom & 10 water absorbing	140	65	70	426	131	160



ΔP @ 30cSt

Sample Part no:- SP102 B-A G V 1

Filter series
 SP102 - BSP post, std can
 SP100 - UNF post, std can

Ports
 B - 1 1/2" BSP

Filtration rate
 A - 10 μ Nom
 B - 25 μ Nom
 C - 3 μ Abs
 D - 125 μ Nom
 G - 10 μ water absorbing

Indicator position
 1 - Return
 2 - Suction

Indicator
 N - None
 V - Visual, (ret - SP15P, suct - SP15P)
 E - Electrical, (ret - SP15EP2A, suct - EL-V-2)

By-pass
 D - None
 E - 0.17 bar
 G - 1 bar

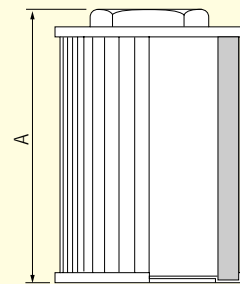
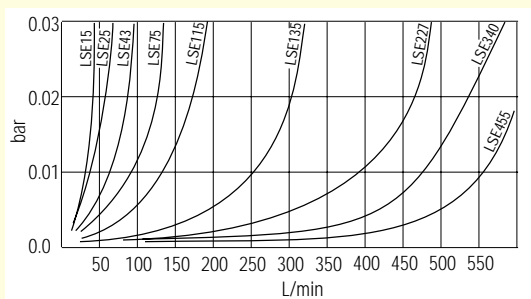
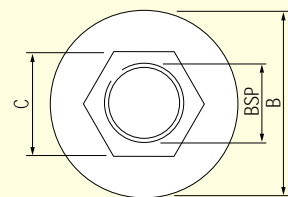
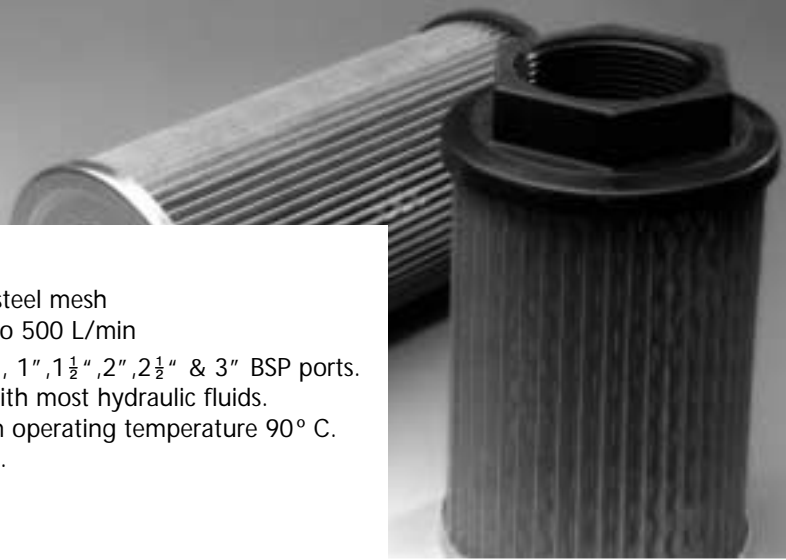
For replacement elements see page A13

SUCTION ELEMENTS

Upto 500 L/min

Specification

- Stainless steel mesh
- Flows upto 500 L/min
- $\frac{3}{8}$ " , $\frac{1}{2}$ " , $\frac{3}{4}$ " , 1" , $1\frac{1}{2}$ " , 2" , $2\frac{1}{2}$ " & 3" BSP ports.
- For use with most hydraulic fluids.
- Maximum operating temperature 90° C.
- Cleanable.



Series	Dimensions - mm						
	Port thread	BSP	Flow L/min	A	B	C	Filtration Area cm ²
LSE-08		$\frac{3}{8}$	8	62	45	26	129
LSE-15		$\frac{1}{2}$	15	107	50	26	270
LSE-25		$\frac{3}{4}$	25	107	69	34	372
LSE-43		1	50	140	69	42	480
LSE-75		$1\frac{1}{2}$	95	140	89	60	680
LSE-115		$1\frac{1}{2}$	130	200	89	60	1020
LSE-135		2	160	260	99	70	1610
LSE-227		2	227	150	132	70	2740
LSE-340		$2\frac{1}{2}$	350	212	132	86	2800
LSE-455		3	500	272	132	98	3250

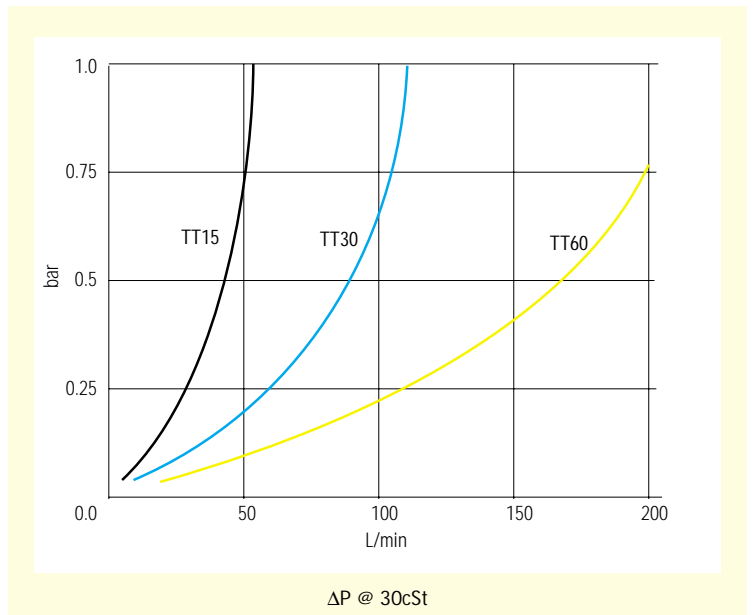
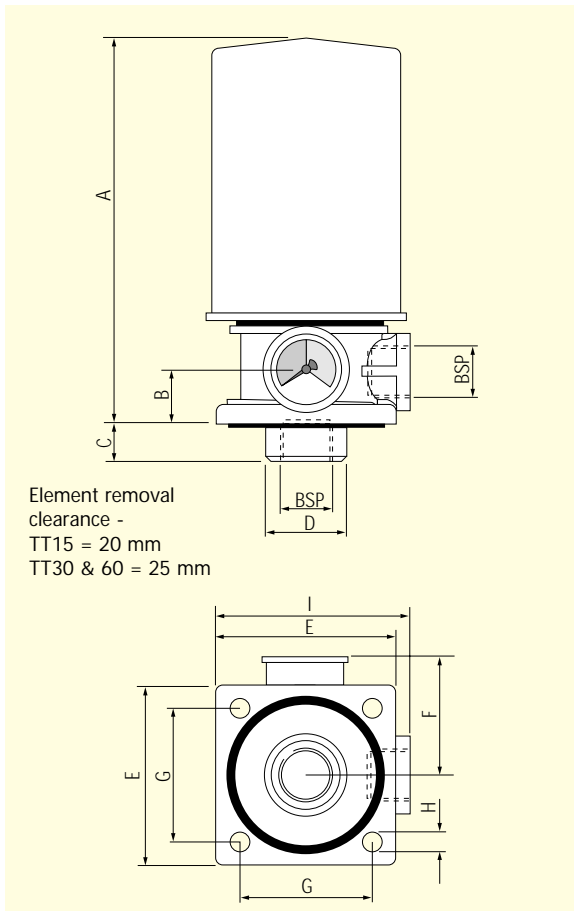
TANK TOP FILTERS RETURN - Upto 200 L/min

Specification

- 7 bar working pressure.
- Flows upto 200 L/min for return.
- $\frac{3}{4}$ " & $1\frac{1}{2}$ " BSP ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -30 to +100° C.
- Aluminium head, buna-N seals.
- Media, TT15 & TT30 - paper with dimpled pleats.
TT60 - wire backed paper.

Options

Indicators



Series	Filter Post	Port thread BSP	Can length	Filtration rates available - Micron	Dimensions - mm									
					A	B	C	D	E	F	G	H	I	Max tank cut out
TT15B-AG●	BSP	$\frac{3}{4}$	Std	10 Nom	198	25	16	35	90	79	70	6	95	64
TT30B-AG●	BSP	$1\frac{1}{2}$	Std	10 Nom	257	38	20	58	120	94	100	8	130	95
TT60B-AG●	BSP	$1\frac{1}{2}$	Std	10 Nom	257	38	20	58	120	94	100	8	130	95

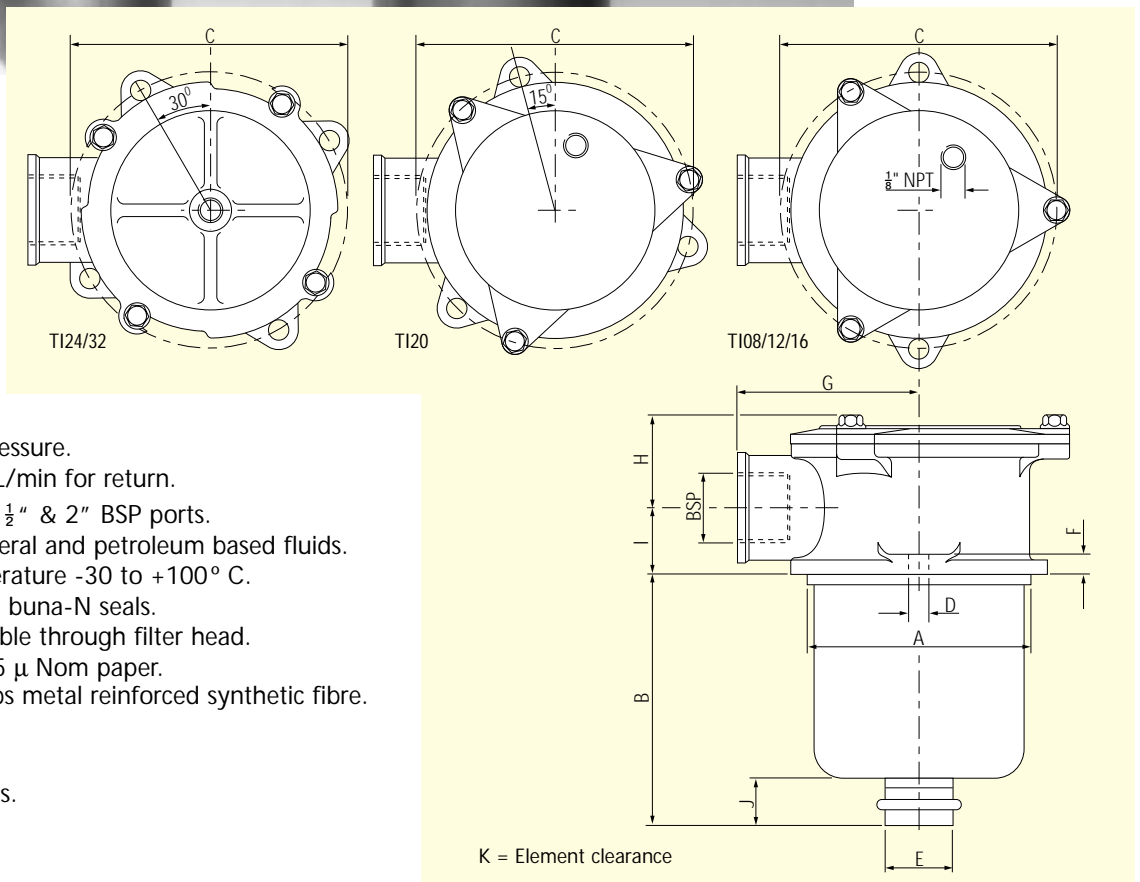
Indicator

Replace ● with appropriate code:

- N - None
- V - Visual, (TT15P)
- E - Electrical, (SP15EP2A)

For replacement elements see page A13

TANK IMMERSED FILTERS RETURN - Upto 600 L/min



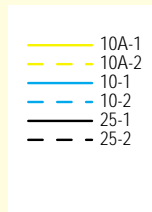
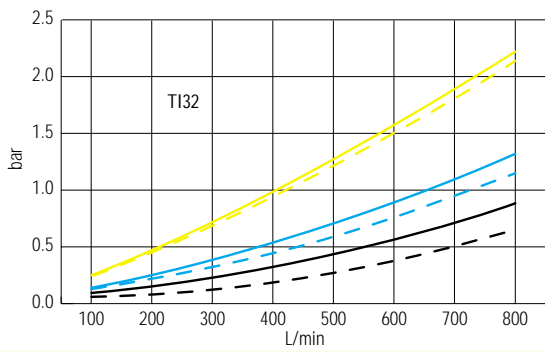
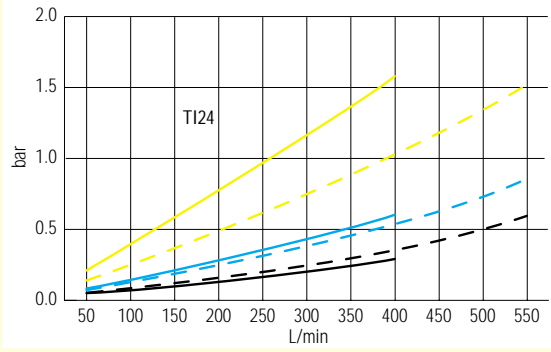
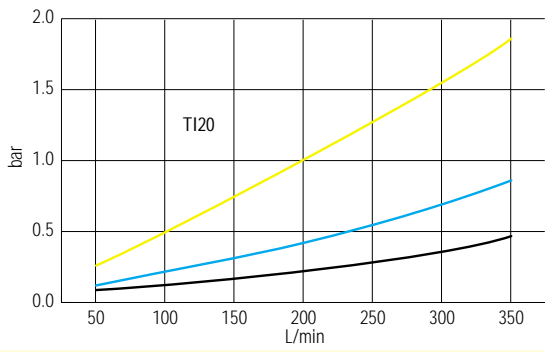
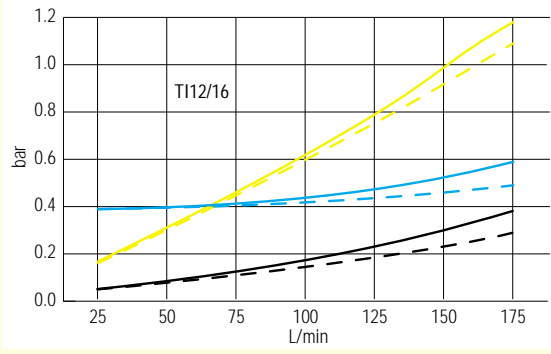
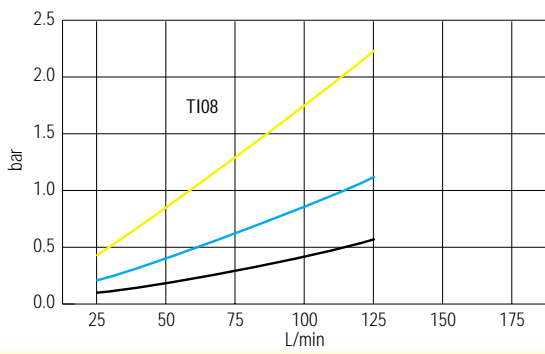
Specification

- 3 bar working pressure.
- Flows upto 600 L/min for return.
- $\frac{1}{2}$ " , $\frac{3}{4}$ " , 1" , $1\frac{1}{4}$ " , $1\frac{1}{2}$ " & 2" BSP ports.
- For use with mineral and petroleum based fluids.
- Operating temperature -30 to +100° C.
- Aluminium head, buna-N seals.
- Element replaceable through filter head.
- Media - 10 & 25 μ Nom paper.
10 μ Abs metal reinforced synthetic fibre.

Options

By-pass valve settings.
Indicators

Series	Port thread BSP	Bowl length	Filtration rates available - Micron	Dimensions - mm											
				A	B	C	D	E	F	G	H	I	J	K	
TI08B- 0	$\frac{1}{2}$	0	10 Abs,10, 25 Nom	66.0	82	90	7.0	24.0	8	50	26	21	25	117	
TI12B- 1	$\frac{3}{4}$	1	10 Abs,10, 25 Nom	88.0	93	115	8.0	28.0	12	67	35	29	30	149	
TI12B- 2	$\frac{3}{4}$	2	10 Abs,10, 25 Nom	88.0	136	115	8.0	28.0	12	67	35	29	30	194	
TI16B- 1	1	1	10 Abs,10, 25 Nom	88.0	93	115	8.0	28.0	12	67	35	29	30	149	
TI16B- 2	1	2	10 Abs,10, 25 Nom	88.0	136	115	8.0	28.0	12	67	35	29	30	194	
TI20B- 1	$1\frac{1}{4}$	1	10 Abs,10, 25 Nom	129.0	248	175	10.5	40.0	13	95	47	35	60	270	
TI24B- 1	$1\frac{1}{2}$	1	10 Abs,10, 25 Nom	173.5	178	220	10.5	63.5	13	115	58	44	60	230	
TI24B- 2	$1\frac{1}{2}$	2	10 Abs,10, 25 Nom	173.5	250	220	10.5	63.5	13	115	58	44	60	285	
TI32B- 1	2	1	10 Abs,10, 25 Nom	173.5	250	220	10.5	63.5	13	115	58	44	60	320	
TI32B- 2	2	2	10 Abs,10, 25 Nom	173.5	320	220	10.5	63.5	13	115	58	44	60	360	



ΔP @ 30cSt

Sample Part no:- TI32B - 1 B H P 1

Filter series
 TI08B - ½ BSP
 TI12B - ¾ BSP
 TI16B - 1 BSP
 TI20B - 1 ¼ BSP
 TI24B - 1 ½ BSP
 TI32B - 2 BSP

Bowl length
 (see page A11 for availability)
 0 - Model 0
 1 - Model 1
 2 - Model 2

Filtration rate
 A - 10 μ Nom
 B - 25 μ Nom
 K - 10 μ Abs

Indicator
 0 - None
 1 - Visual, (TI15P)
 2 - Electrical, (SP145EP2A)

Fluid type
 P - Mineral oil

By-pass
 H - 1.7 bar

For replacement elements see page A13

REPLACEMENT ELEMENTS

Requirement For filter	Post	Filtration rate	Element length	Part number	Post thread	Supplied in packs of
Spin-on filters SP16	BSP	10 µ Nom	Std	SPE16-10	¾" - BSP	12
	BSP	25 µ Nom	Std	SPE16-25	¾" - BSP	12
Spin-on filters SP52/82/102 (SP82 & 102, 2 off)	BSP	3 µ Abs	Std	SPE52-3ABS	1¼" - BSP	6
	BSP	10 µ Nom	Std	SPE52-10	1¼" - BSP	6
	BSP	25 µ Nom	Std	SPE52-25	1¼" - BSP	6
	BSP	125 µ Nom	Std	SPE52-125	1¼" - BSP	6
Spin-on filters SP15	UNF	10 µ Nom	Std	SPE15-10	1" - 12 UNF	12
	UNF	25 µ Nom	Std	SPE15-25	1" - 12 UNF	12
Spin-on filters SP50/80/100 (SP80 & 100, 2 off)	UNF	3 µ Abs	Std	SPE50-3ABS	1½" - 16 UNF	6
	UNF	10 µ Nom	Std	SPE50-10	1½" - 16 UNF	6
	UNF	10 µ Nom Water absorption	Std	SPEH50-10	1½" - 16 UNF	6
	UNF	25 µ Nom	Std	SPE50-25	1½" - 16 UNF	6
Tank top filter TT15	BSP	10 µ Nom	Std	TTE15-10		1
Tank top filter TT30	BSP	10 µ Nom	Std	TTE30-10		1
Tank top filter TT60	BSP	10 µ Nom	Std	TTE60-10		1
Tank immersed filter TI08		10 µ Abs	70 mm	TIE08-10A		1
		10 µ Nom	70 mm	TIE08-10		1
		25 µ Nom	70 mm	TIE08-25		1
Tank immersed filter TI12/16		10 µ Abs	85 mm	TIE16-10A-1		1
		10 µ Nom	85 mm	TIE16-10-1		1
		25 µ Nom	85 mm	TIE16-25-1		1
		10 µ Abs	130 mm	TIE16-10A-2		1
		10 µ Nom	130 mm	TIE16-10-2		1
		25 µ Nom	130 mm	TIE16-25-2		1
Tank immersed filter TI20		10 µ Abs	210 mm	TIE20-10A		1
		10 µ Nom	210 mm	TIE20-10		1
		25 µ Nom	210 mm	TIE20-25		1
Tank immersed filter TI24		10 µ Abs	140 mm	TIE24-10A-1		1
		10 µ Nom	140 mm	TIE24-10-1		1
		25 µ Nom	140 mm	TIE24-25-1		1
		10 µ Abs	200 mm	TIE24-10A-2		1
		10 µ Nom	200 mm	TIE24-10-2		1
		25 µ Nom	200 mm	TIE24-25-2		1
Tank immersed filter TI32		10 µ Abs	233 mm	TIE32-10A-1		1
		10 µ Nom	233 mm	TIE32-10-1		1
		25 µ Nom	233 mm	TIE32-25-1		1
		10 µ Abs	267 mm	TIE32-10A-2		1
		10 µ Nom	267 mm	TIE32-10-2		1
		25 µ Nom	267 mm	TIE32-25-2		1

REPLACEMENT INDICATORS



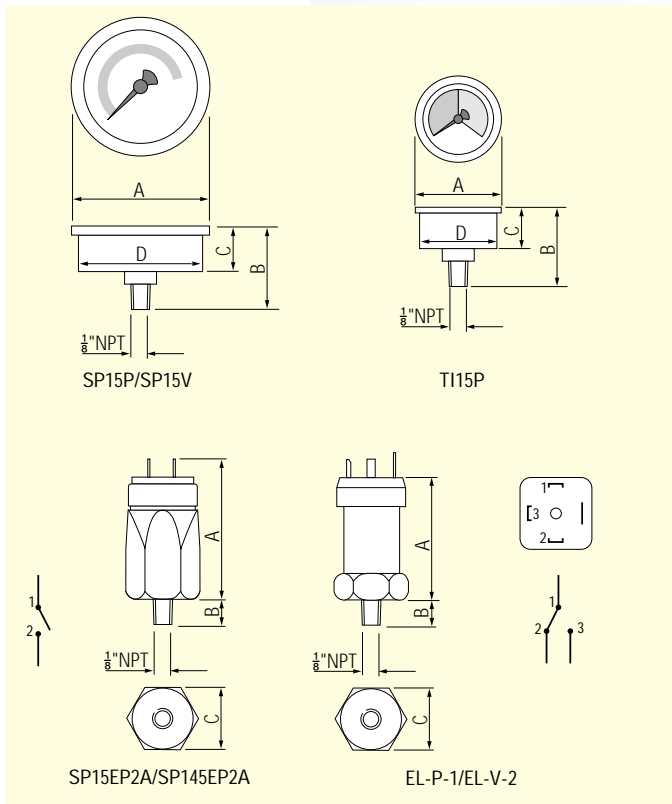
Specification

Visual indicators.

- Easy to read indicators for suction or return filters.
- Built-in damper to minimise effects of pressure surges.
- $\frac{1}{8}$ " NPT stem.

Electrical return indicators.

- Automatic reset.
- Vibration resistant.
- Sealed.
- Field adjustable.
- $\frac{1}{8}$ " -17 NPT stem.
- Connections SP16 model - IP65 terminals P00 or DIN 43650.
EL models - DIN 43650.



Requirement For filter type	Function/type	Pressure range	Max bar	Max Scale	Max current	Std deadband	Part number	Dimensions - mm			
								A	B	C	D
Spin-on/Tank mounted	Return/visual	0-7 bar	7	psi			SP15P	54	45	27.0	50
Spin-on	Suction/visual	0-50 cm hg		cm hg			SP15V	54	45	27.0	50
Spin-on/Tank mounted	Return/electrical	0.1-1.0 bar	300		42V	5%	SP15EP 2A	46	9	24.0	
Spin-on/Tank mounted	Return/electrical	0 -10 bar	300		42V	5%	SP145EP 2A	46	9	24.0	
Spin-on/Tank mounted	Return/electrical	0.35-2.4 bar	25		7 amp (12/24VDC),110/250VAC	20%	EL-P-1	47	14	28.5	
Spin-on	Suction/electrical	10-70 cm hg	35		7 amp (12/24VDC),110/250VAC	40%	EL-V-2	64	14	28.5	
Tank mounted	Return/visual	0-2 bar	2	0-15 green 15-30 red			TI15P	44	44	26.0	40

FILTRATION UNIT



Description

The mobile fluid conditioning and transfer unit offers simple operation, is easily transportable and maintenance free (apart from element changes). The unit is fitted with a suction filter to prolong pump life and a filter in the delivery line. Visual indicators are fitted to both filters to show their condition.

Specification

- Motor power, electric - 0.75 Kw.
- Motor voltage - 240 VAC single phase.
- 110 VAC single phase.
- Flow - 13 L/min.
- Viscosity range - 7 to 750 cSt.
- Maximum operating temperature 80° C.
- Hose length - 2m (both).
- Power cable length - 2m.
- Suction strainer.

Options

3 μ Abs, 10, 25 & 125 μ Nom suction & return filters.

Sample Part no:- PFU 240 - 13 - F - E

