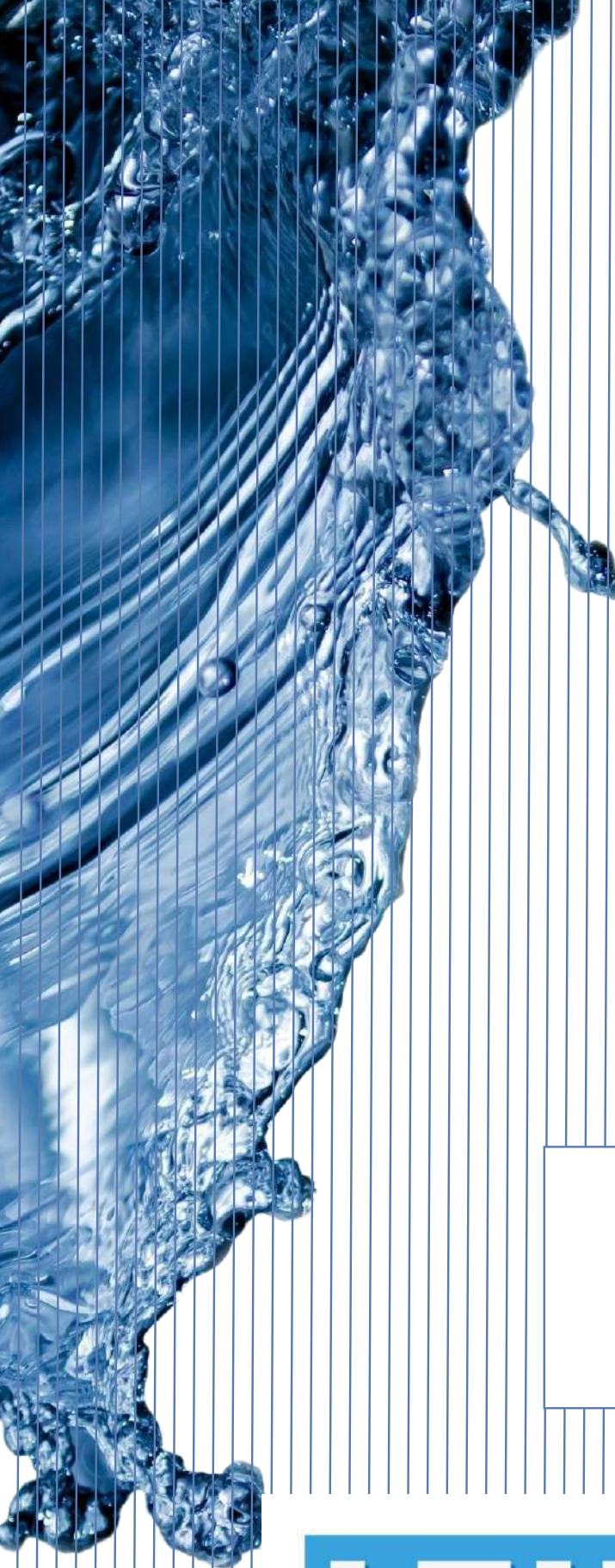




STAUFF
Filters
Offline and Bypass filters
OLS



 HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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Offline Filters ■ Type OLS

Product Description

STAUFF Offline Filter Units can be applied to every imaginable industrial application where hydraulic or lubrication systems are present.

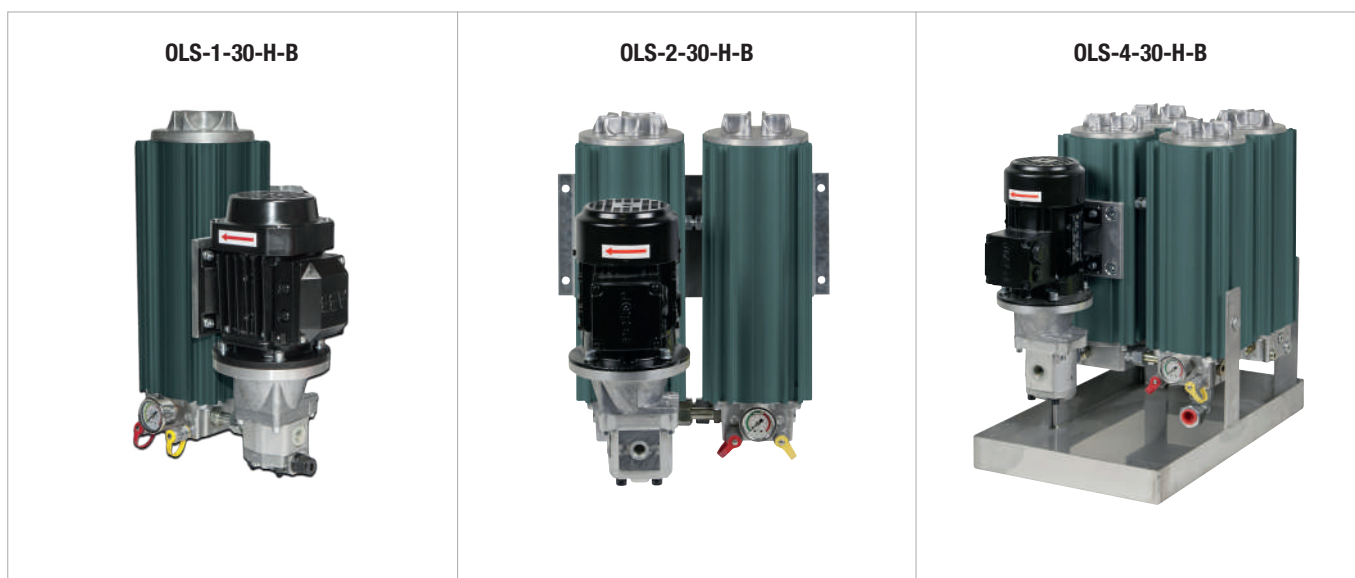
An integrated motor/pump unit draws fluid out of the tank, filters it and pumps clean oil back into the system. Offline Filter Units can continue to work even if the main system is not in use. The standard range offers filter units for reservoirs with a capacity of up to 10800 l / 2853 gal.

Over the years, STAUFF Systems have developed considerable experience in the hydraulic and lubrication market cleaning systems to levels not previously possible with conventional methods.

The OLS is available with one, two or four filter housings and in two different lengths. The maximum flow for the Offline Unit goes from 2,1 ... 17 l/min / .55 ... 4.5 US GPM at a viscosity between 20 ... 160 cSt. For the OLS you can choose several different motor/pump units, for more information please see page 188 (Order code).

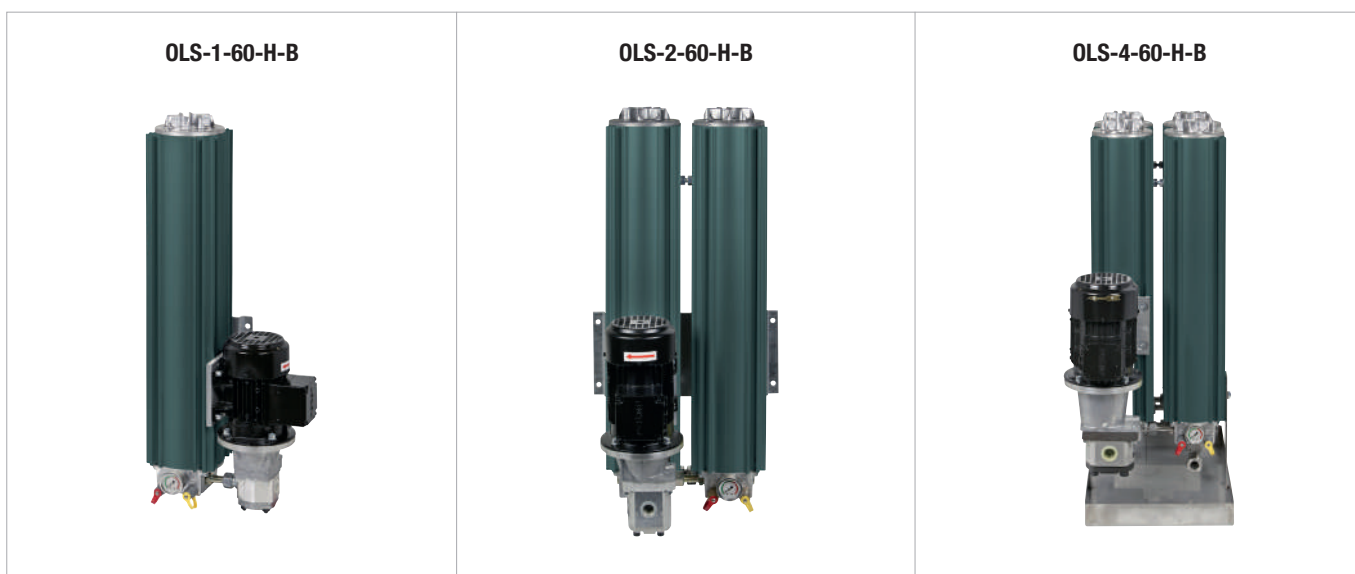
All Offline Filter Systems are available with air driven motors.
These units are ideal for areas where electric power is unavailable
or for hazardous locations.

Single Length (see page 184 / 185)



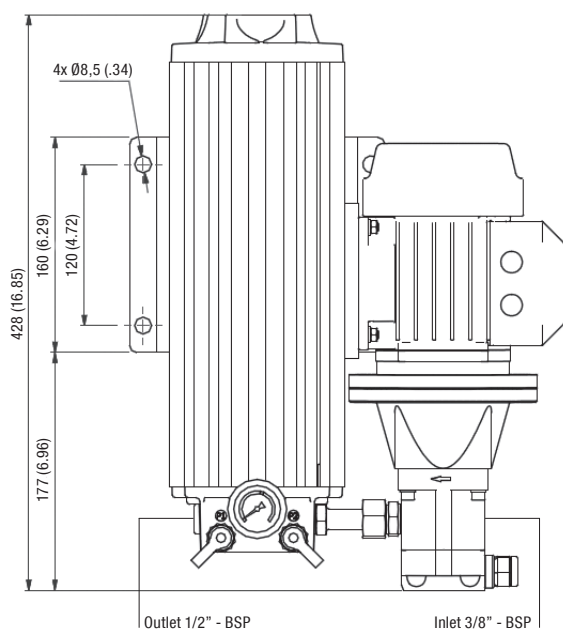
G

Double Length (see page 186 / 187)

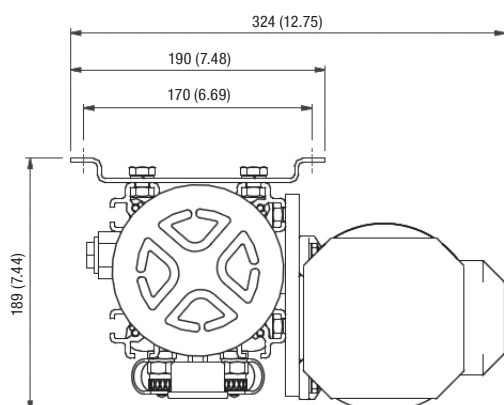


Offline Filters ▪ Type OLS

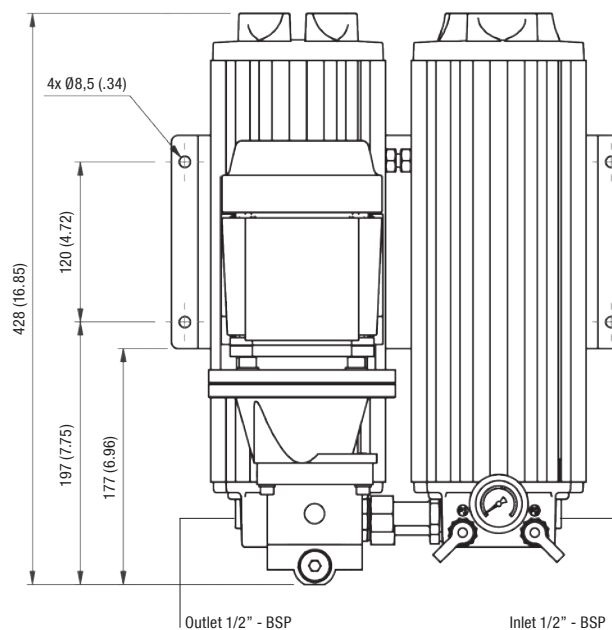
Dimensions OLS-1-30-H-B



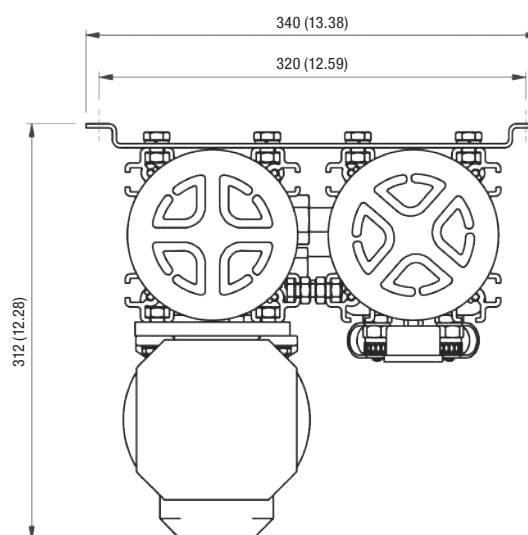
Top View



Dimensions OLS-2-30-H-B



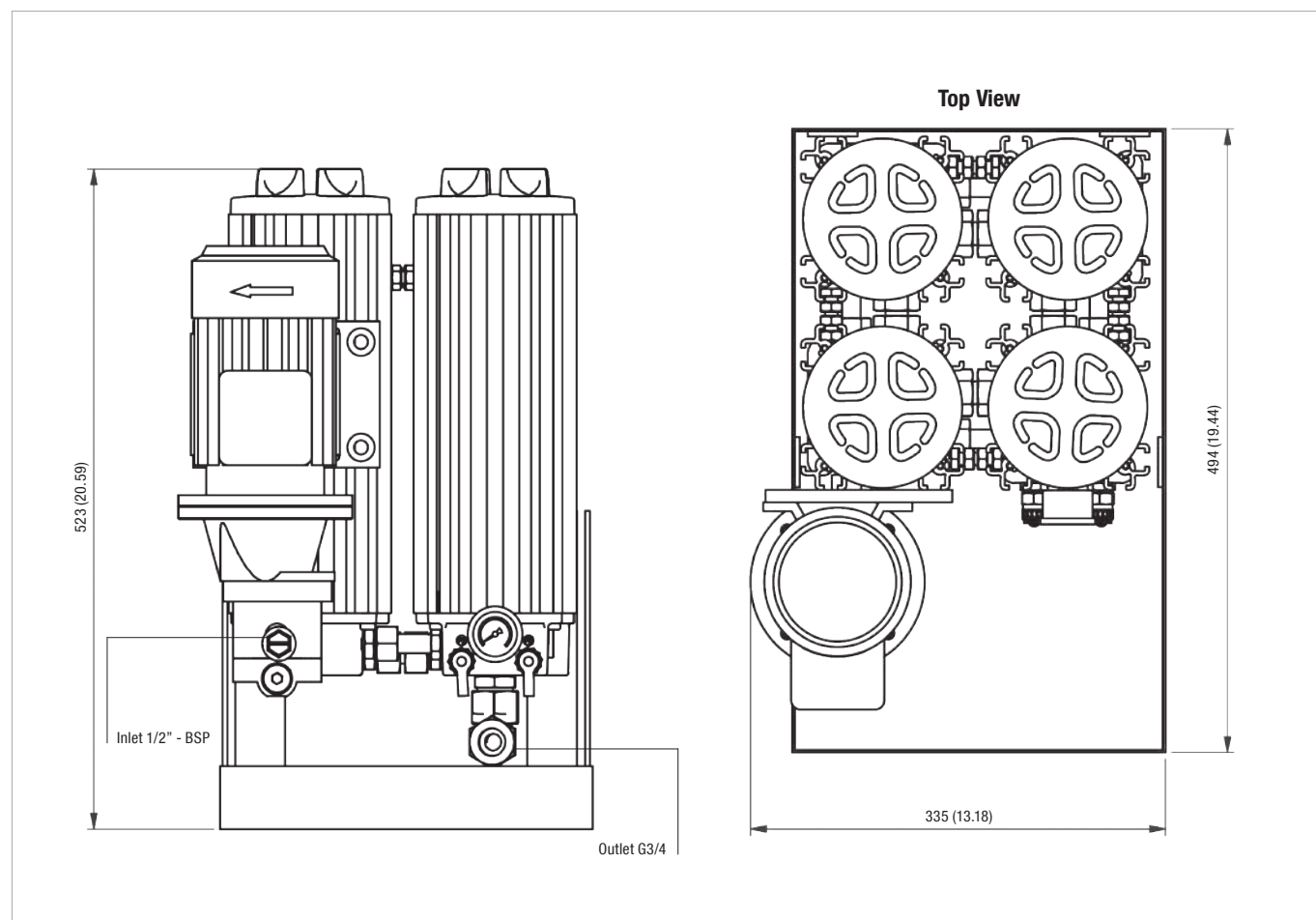
Top View



All dimensions in mm / in



Dimensions OLS-4-30-H-B



All dimensions in mm / in

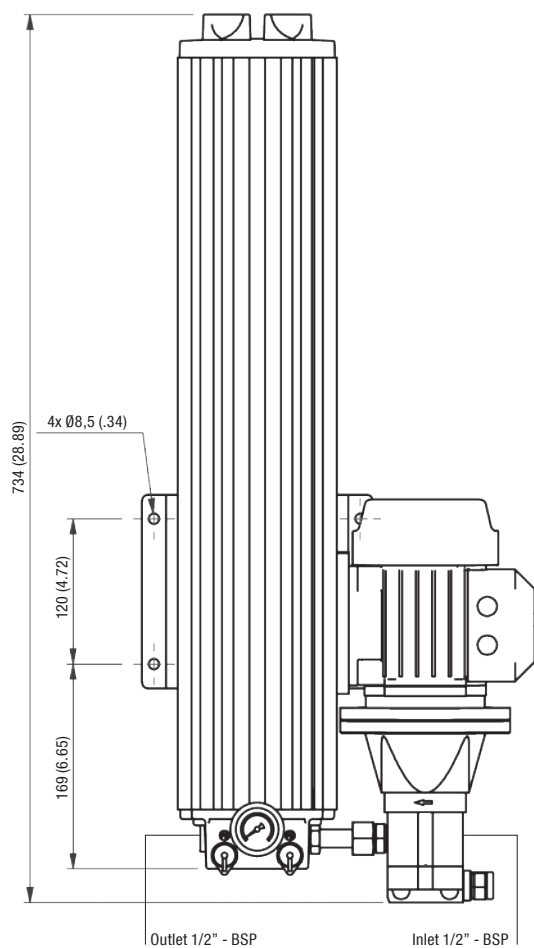
Technical Data

	OLS-1-30-H-B	OLS-2-30-H-B	OLS-4-30-H-B
Number of Filter Housings	1	2	4
Nominal Flow	2,1 l/min .55 US GPM	4,2 l/min 1.1 US GPM	8,4 l/min 2.22 US GPM
Max. Differential Pressure	6,2 bar 90 PSI		
Max. Fluid Temperature	+80 °C +176 °F		
Max. Housing Pressure	20 bar 290 PSI		
Viscosity Range	20 ... 160 cSt 100 ... 750 SUS		
Connection Suction Side	G3/8	G1/2	
Connection Return Side	G1/2		G3/4
Hose Diameter	1/2 in (inner diameter) flexible hose		3/4 in (inner diameter) flexible hose
Weight (Including Element)	14 kg 30.9 lbs	21 kg 46.3 lbs	39 kg 86 lbs
Max. System Volume	1350 l 356 gal	2700 l 713 gal	5400 l 1426 gal
Dimensions H x W x D	428 x 324 x 189 mm 16.85 x 12.75 x 7.44 in	428 x 340 x 312 mm 16.85 x 13.38 x 12.28 in	523 x 494 x 335 mm 20.59 x 19.44 x 13.18 in
Connection for Online Particle Counter	STAUFF Test (M16 x 2)		
Pump	Gear pump		
Motor	See page 188 for electric motor details		
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow		

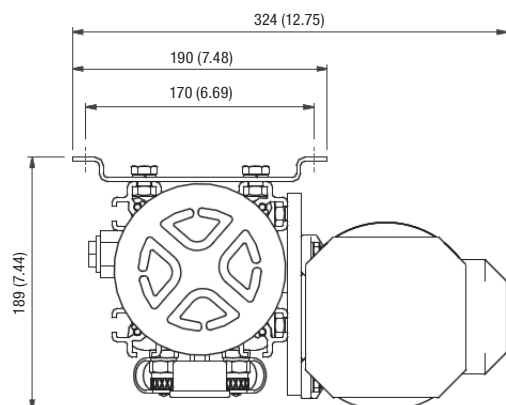


Offline Filters ■ Type OLS

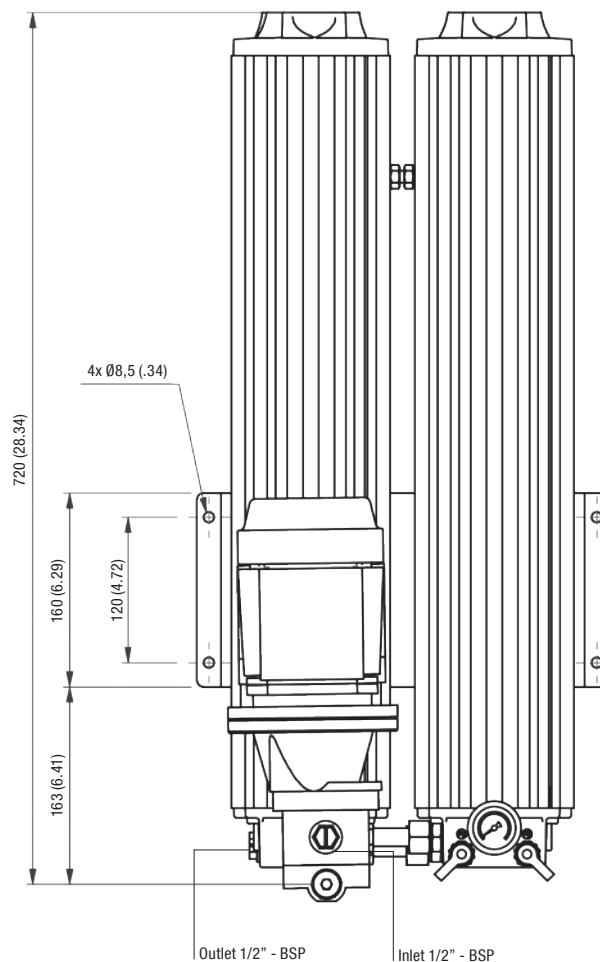
Dimensions OLS-1-60-H-B



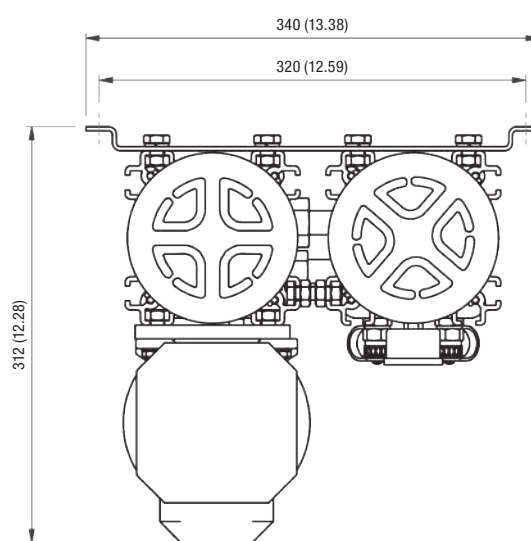
Top View



Dimensions OLS-2-60-H-B



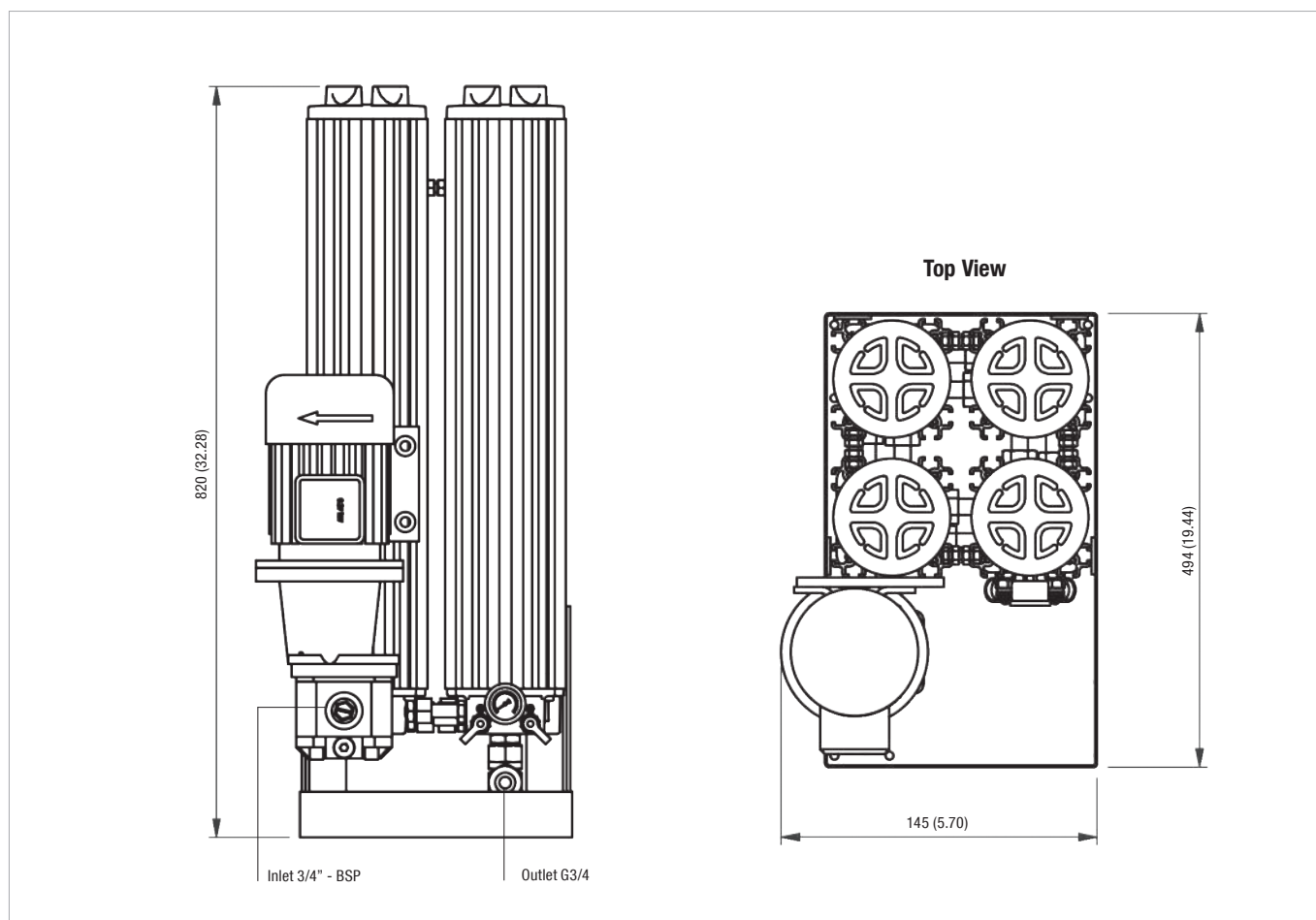
Top View



All dimensions in mm / in



Dimensions OLS-4-60-H-B



All dimensions in mm / in

Technical Data

	OLS-1-60-H-B	OLS-2-60-H-B	OLS-4-60-H-B
Number of Filter Housings	1	2	4
Nominal Flow	4,2 l/min 1.1 US GPM	8,4 l/min 2.22 US GPM	17 l/min 4.5 US GPM
Max. Differential Pressure	6,2 bar 90 PSI		
Max. Fluid Temperature	+80 °C +176 °F		
Max. Housing Pressure	20 bar 290 PSI		
Viscosity Range	20 ... 160 cSt 100 ... 750 SUS		
Connection Suction Side	G1/2	G1/2	G3/4
Connection Return Side	G1/2		G3/4
Hose Diameter	1/2 in (inner diameter) flexible hose		3/4 in (inner diameter) flexible hose
Weight (Including Element)	18 kg 39.7 lbs	30 kg 66.1 lbs	61 kg 134.5 lbs
Max. System Volume	2700 l 713 gal	5400 l 1426 gal	10800 l 2853 gal
Dimensions H x W x D	734 x 324 x 189 mm 28.66 x 13.19 x 7.48 in	720 x 340 x 312 mm 28.90 x 13.39 x 12.72 in	820 x 494 x 145 mm 32.28 x 19.44 x 5.70 in
Connection for Online Particle Counter	STAUFF Test (M16 x 2)		
Pump	Gear pump		
Motor	See page 188 for electric motor details		
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow		



Offline Filter Housings / Complete Filters ■ Type OLS

OLS - 1 - 30 - H - B - A - 01 - V - O

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Type

Offline Filter Unit (for industrial applications)	OLS
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② Housing Configuration

Single housing	1
Twin housing	2
Quadruple housing	4

③ Filter Element Length

300 mm / 11.81 in	30
600 mm / 23.62 in	60

④ Filter Material and Micron Rating

Material	Micron rating µm	Code
Cellulose (standard)	0,5	H
Inorg. glass fibre	1	E-01
Inorg. glass fibre	3	E-03
Inorg. glass fibre	5	E-05
Inorg. glass fibre	10	E-10
Inorg. glass fibre	20	E-20
Inorg. glass fibre and polymer (water absorption)	5	EA

⑤ Sealing Material

NBR (Buna-N®) (standard)	B
FKM (Viton®)	V

⑥ E-motor Options

Motor Type	Code
230/400 V AC, 50 Hz, three phases, 1360 r/min 255/460 V AC, 60 Hz, three phases, 1630 r/min (50 Hz and 60 Hz standard)	A
230 V AC, 50 Hz, single phase, 1360 r/min	G
110 V AC, 50 Hz, single phase	I
110 V AC, 60 Hz, single phase	J
230 V AC, 60 Hz, single phase, 1630 r/min	H

Note: Special motors on request.

⑦ Pump Options

50 Hz Motor	Standard in	Code
1,6 cc/rev.	OLS-1-30	00
3,15 cc/rev.	OLS-2-30/1-60	10
6,1 cc/rev.	OLS-4-30/2-60	20
8,2 cc/rev.		30
11,3 cc/rev.	OLS-4-60	40
0,8 cc/rev.		50

60 Hz motor	Standard in	Code
1,25 cc/rev.	OLS-1-30	01
2,5 cc/rev.	OLS-2-30/1-60	11
5,0 cc/rev.	OLS-4-30/2-60	21
6,3 cc/rev.		31
10 cc/rev.	OLS-4-60	41

⑧ Clogging Indicator

Visual clogging indicator	V
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⑨ Mounting Options

No options (standard)	0
Motor / pump right side mounted	1
Motor / pump left side mounted	2

Filter Elements ■ Type SRM

SRM - 30 - H - B / X

① ② ③ ④ ⑤

① Type

Filter Element Series	SRM
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② Filter Element Length

300 mm / 11.81 in	30
600 mm / 23.62 in	60

③ Filter Material and Micron Rating

Material	Micron rating µm	Code
Cellulose (standard)	0,5	H
Inorg. glass fibre	1	E-01
Inorg. glass fibre	3	E-03
Inorg. glass fibre	5	E-05
Inorg. glass fibre	10	E-10
Inorg. glass fibre	20	E-20
Inorg. glass fibre and polymer (water absorption)	5	EA

④ Sealing Material

NBR (Buna-N®) (standard)	B
FKM (Viton®)	V

⑤ Design Code

Only for information	X
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Technical Data on Electric Motors used for OLS Filters (For air driven motors contact STAUFF)

E-motor	Standard Configuration	Description	Power in kW	Power in HP	Voltage 50 Hz	Amp 50 Hz	RPM 50 Hz	Voltage 60 Hz	Amp 60 Hz	RPM 60 Hz
I, J	OLS-1-30 OLS-2-30 OLS-1-60	M63 B3/B5 4P 110V MULTIVOLT	0,18	0.24	110 V AC	3,30		110 V AC	2,70	
G, H	OLS-1-30 OLS-2-30 OLS-1-60	M63 B3/B5 4P 230 MULTIVOLT	0,18	0.24	230 V AC	1,57		230 V AC	1,34	
A	OLS-1-30 OLS-2-30 OLS-1-60	M63 B3/B5 4P 3PH MULTIVOLT	0,18	0.24	230/400 V AC	1,03 / 0,60		254/440 V AC	0,90 / 0,52	
A	OLS-2-60 OLS-4-30	M63 B3/B5 4P 3PH MULTIVOLT	0,29	0.39	230/400 V AC	1,65 / 0,95	1460	254/440 V AC	1,47 / 0,85	1740
I, J	OLS-2-60 OLS-4-30 OLS-4-60	M71 B3/B5 4P 110V MULTIVOLT	0,37	0.50	110 V AC	6,10		110 V AC	5,20	
G, H	OLS-2-60 OLS-4-30 OLS-4-60	M71 B3/B5 4P 230V MULTIVOLT	0,37	0.50	230 V AC	3,00		230 V AC	2,65	
A	OLS-4-60	M71 B3/B5 4P 3PH MULTIVOLT	0,37	0.50	230/400 V AC	1,90 / 1,10		254/440 V AC	1,60 / 0,93	



LubeTeam Hydraulic S.r.l.

Administration and Headquarter:

Via Tufara Scautieri, 6

83018 - San Martino Valle Caudina (AV)

Office and Warehouse:

S.S. 7 Appia, Km. 237,00

82011 - Airola BN

ITALY

Tel. +39 0823 950 994

Fax +39 0823 412 546

www.lubeteam.it info@lubeteam.it

Italian VAT / C.F. e P.IVA: 01251720627

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