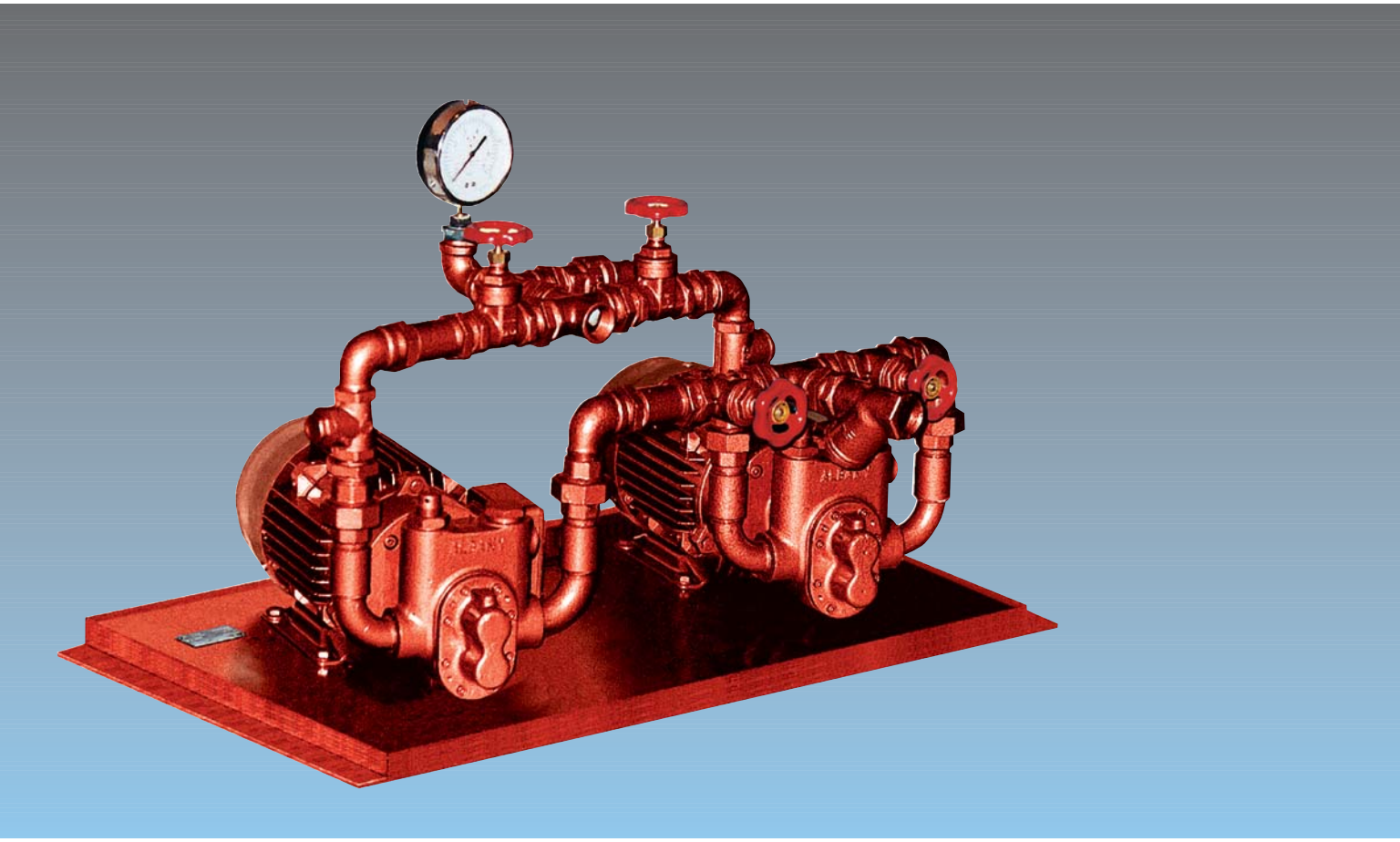
SF Series

ARMSTRONG



Fuel Oil Transfer Sets

FILE NO:	7-4
DATE:	August 2010
SUPERSEDES:	7-4
DATE:	January 2009

Fuel Oil Transfer Sets SF Series

The SF Fuel Oil Transfer Set has been designed for the pumping of light fuel oils to boiler systems and transfer to daily storage tanks.

Fully Packaged Sets

The SF Fuel Oil Transfer Set has been designed for the pumping of light fuel oils to boiler systems and transfer to daily storage tanks.

The SF set is fully packaged with isolating and non-return valves, pressure relief valve, pressure gauge and suction strainer assembled on a drain pan bedplate. The pumps are self priming and will operate on a suction lift as well as flooded suction. In addition to the manifold relief valve, each pump has an integral relief.

The set fully complies with the requirements of M & E 3.
SF sets can be arranged for ring Main, Dead Leg or Daily Service systems.

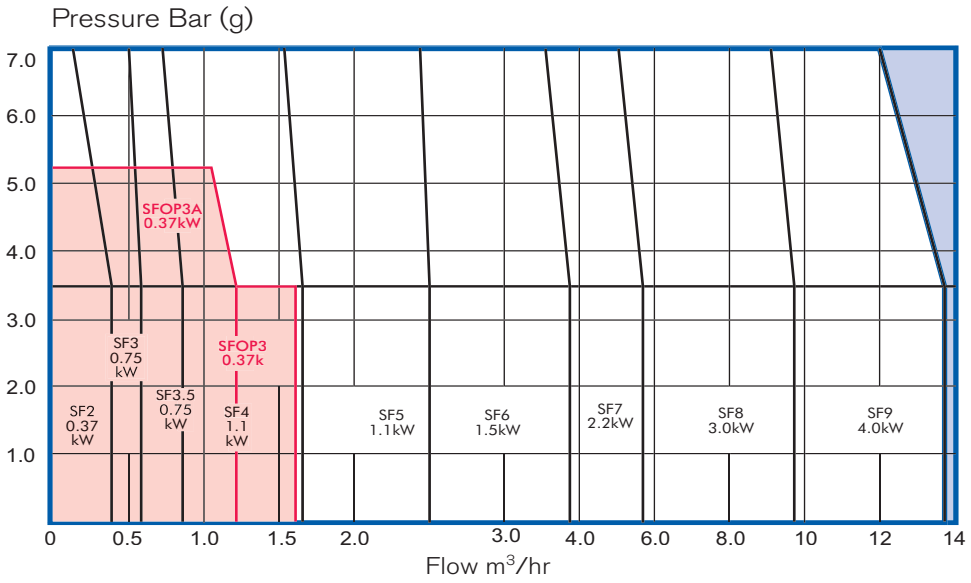
For optimum results when used on a suction lift, the lift should not exceed 3 metre and the total suction resistance should not exceed 0.4 bar.

Fuel oil sets are suitable for use on oil up to 900 sec Redwood No.1 (230 centistokes) viscosity and S.G. up to 0.9. For applications outside this range please refer to the Armstrong Sales Office.

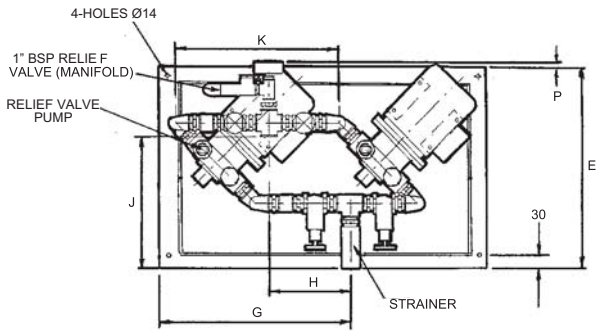
SF Type - Selection & Dimensions

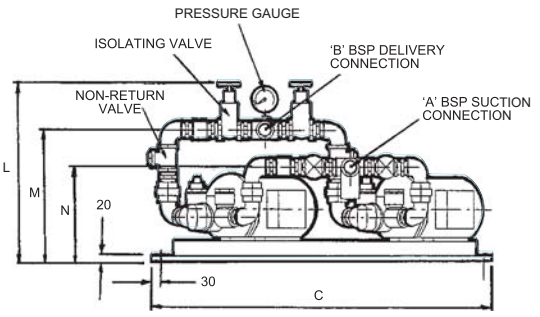
▶ Selection Chart

35 Sec Fuel oil
1420 rpm 3ph. 50Hz. 415v.



▶ Dimensions





Pump Size	Motor kW	MWP Bar	A BSP Fem	B BSP Fem	C	E	G	H	J	K	L	M	N	P	Wt kg
SFOP3	0.37	3.5	1	1	880	580	525	216	401	459	455	350	240	85	39
SFOP3A	0.37	5.5	1	1	880	580	525	216	401	459	455	350	240	85	41
SF2	0.37	10	1	1	880	588	525	216	401	459	455	350	240	85	43
SF3	0.75	17	1	1	880	580	510	187	409	459	465	360	250	50	58
SF3.5	0.75	14	1	1	880	595	520	208	392	459	465	360	250	65	59
SF4	1.1	12	1	1	880	605	530	228	412	459	469	364	254	75	70
SF5	1.1	10	1	1	880	610	540	245	429	459	469	364	254	80	76
SF6	1.5	6	1	1	880	625	555	272	456	459	464	359	249	95	94
SF7	2.2	7	1	1	880	625	685	280	452	462	474	369	259	15	103
SF8	3.0	7	1.½	1.½	1200	720	690	282	462	595	558	393	265	10	170
SF9	4.0	5.5	1.½	1.½	1200	730	659	296	476	595	571	406	278	20	184

Pump Notes:
1ph 50Hz 230v shown in red. All dimensions in mm.

Materials of Construction

Body:	Cast Iron to BS 1452.
Rotors and Shaft:	Hardened Alloy Steel to BS 970 or Carbon Steel.
Bushes:	Carbon, self lubricating type.
Pipework:	Malleable Iron.
Valves:	Gunmetal.
Bedplate:	Folded Mild Steel with drip tray.
Strainer:	Duplex type (optional extra).
Fittings:	Mechanical Seal with Carbon Face. Relief valve fitted in body, adjustable for pressure and direction of rotation of pump.
Motor details:	Totally Enclosed Fan Ventilated (IP54) motor with Class 'F' insulation Class 'B' temperature rise, to BS 4999 / IEC 34-1 rated for pressures detailed in table for use on 400V 3ph 50Hz supply. Speed 1420rpm. IP55 on request. ATEX EEx d motors can be supplied on certain pump sizes. Single phase motors available on pump sizes SFOP3 and SFOP3A.

Limitations

Temperature:	Maximum liquid temperature is 80ºC. Temperatures to 120ºC can be accommodated to special order.

Pressure

Pump size	Maximum Pressure	
	P.S.I.	kg/cm2
SFOP3	50	3.5
SFOP3A	80	5.5
SF 2	150	10
SF 3	250	17
SF 3.5	200	14
SF 4	175	12
SF 5	150	10
SF 6	90	6
SF 7	100	7
SF 8	100	7
SF 9	80	5.5

1ph 50Hz 240v shown in red.

Our policy is one of continuous improvement and we reserve the right to alter our dimensions and specifications without notice

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