









D1Ø 4 HOLES

Rotary Gear Pump

		-			PE	RFO	RMAN	ICE T	ABL	E						1///
PUMP	SUCTION &		APACITY 1440 RPI			R				BHP AT D		AL PRES	SSURE			WT. O
MODEL	DELIVERY	LPM	US GPM	M³/hr	Kg/cm ⁸	1	2	3	4	5	6	7	8	9	10	PUMP IN KG
SV-050	1, x 1,	20		4.0	KW	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	
0 000	2 2	20	5.3	1.2	HP		0.5			0.	.75			1.0		2.2
SV-075	3 v 3	30	7.00	4.0	KW	0.37	0.45	0.54	0362	0.69	0.77	0.85	0.92	1.01	1.09	4.0
SV-0/5	3 × 3 4	30	7.92	1.8	HP		0.75			1	.0			1.5		4.2
014400	4" 1/ 4"	50	40.0	2.0	KW	0.40	0.50	0.60	0.75	0.89	1.04	1.117	1.30	1.46	1.59	5.0
SV-100	1" X 1"	50	13.2	3.0	HP		1.0			1	.5			2.0		5.0
0)/ 405	.1 v .1	75	19.8	4.5	KW	0.7		1.2	1.4	1.5	1.9	1.95	2.15	2.35	2.55	8.0
SV-125	14"×14"	75	19.0	4.5	HP		1.5			2	2.0			3.0		8.0
01/450	.11	110	29.0	6.6	KW	1.05		1.95	2.10	2.40	2.65	2.95	3.25	3.60	3.75	9.5
SV-150	12" X 12"	110	29.0	0.0	HP		2.0			3	3.0			5.0		9.5
014.000	0" 1/ 0"	225	59.4	13.5	KW	2.0		3.2	.75	4.3	4.55	5.6	6.2	6.9	7.11	17.2
SV-200	2" X 2"	225	39.4	13.3	HP		3.0			5	5.0			7.5		17.2
01/050	-1. v -1	350	92.5	21.0	KW	4.15		6.1	7.3	8.2	9.1	10.3	11.2	12.1	12.25	28.5
SV-250	2½ X 2½	330	02.0	21.0	HP		5.0			10	0.0			12.5		20.5
01/ 202	0" V 0"	500	131.6	30.0	KW	4.5		8.4	9.9	11.1	12.1	13.0	13.9	14.9	15.9	40.0
SV-300	3" X 3"	300	101.0	50.0	HP		10			1	15			20		40.0
M	ATERIAL	OFC	ONSTR	UCTIO	N						- 1	DIMEN	SIONS			1///

MATERIAL OF CONSTRUCTION

PART STANDARD

IS.210 FG 220 C.I. Grade Body **Back Cover** IS.210 FG 220 C.I. Grade

EN-8 Gears

Shaft SAE-8620 H.G. Bearing (Bushes) Non Ferrous

Seal Neoprene oil seal

Pressure relief valve will be provided in all models

110000		01 1411		- Б. С.	naoa n													
MODEL	Α	В	Е	F	G	S	Т	Н	Н1	Н2	Н3	L	М	N	DØ	D10	K	PQ
SV-050	172	46	51	40	70	90	70	63	50	90	6	22	4	13.5	12	8	70	1 2" B.S.P.
SV-075	215	54	63.5	45	85	110	80	80	66	115	8	25	5	16.0	14	10	90	3 B.S.P.
SV-100	236	64	64.5	50	93	125	95	90	73	128	8	27.5	5	19.5	17	10	86	1" B.S.P.
SV-125	266	70	65	60	105	140	110	100	79	140	10	32	6	22.5	20	12	100	1 ¹ / ₄ B.S.P.
SV-150	290	75	80	70	115	150	130	110	88	155	12	35	6	24.5	22	12	108	1½ B.S.P.
SV-200	360	98	92	100	140	180	160	132	105	192	15	40	8	28	25	15	142	2" B.S.P.
SV-250	420	110	110	120	155	200	185	145	114	215	18	45	8	31	28	17	160	2 ¹ / _{2"} B.S.P.
SV-300	455	125	120	140	180	235	205	160	124	235	20	50	8	33	30	17	170	3" B.S.P.

All dimensions are in millimetres. Unless otherwise stated specification are subject to change without prior notice as improvements are made from time to time

CONVERSION: 1 Imperial gallon 1U.S. Gallon 3.78Liters 1P.S.I. = 2.31Feet = 4.5Liters 1Kg/Cm² = 14.2P.S.I 3.28Feet 1Meter













l Injection Gear Pump Rotary Twin Gear P

Rotary Gear Pum

Fuel Injunction Gear Pump (FIG)

PUMP	MODEL	SUC. & DEL.	CAP. IN LPH AT 1440 RPM	PRESSURE k/g Cm²		ENDED HP. i 30kg/Cm²
FIG-S05	FIG-S05BT	38"	50	0 - 30	0.25	1.00
FIG-S08	FIG-S08BT	38"	80	0 - 30	0.25	1.00
FIG-S15	FIG-S15BT	1 2"	150	0 - 30	0.25	1.50
FIG-S30	FIG-S30BT	1,2"	300	0 - 30	0.25	1.50
FIG-S45	FIG-S45BT	1,2"	450	0 - 30	0.25	2.00
FIG-S60	FIG-S60BT	1,2"	600	0 - 30	0.25	2.00
FIG-S100	FIG-S100BT	34"	1000	0 - 30	0.75	3.00
FIG-S150	FIG-S150BT	34"	1500	0 - 30	0.75	3.00
FIG-S200	FIG-S200BT	34"	2000	0 - 30	0.75	5.00
FIG-S250	FIG-S250BT	3,	2500	0 - 30	0.75	5.00
FIG-S300	3 1	1"	3000	0 - 30	1.50	7.50
FIG-S450	-	1"	4500	0 - 30	1.50	10.00
FIG-S600	-	1"	6000	0 - 30	1.50	15.00

- Normal flow at 1440 r.p.m. or 2880 r.p.m. with oil viscosity 32 Cst. At 37.5C at normal working temperature and 10 kg/cm pressure.
- Min.viscosity 5 cst.
- Max. viscosity 450 cst.
- Max liquid temperature 200c.
- · Capacity/range. 50/6000 LPH.max pressure 30kg/cm.
- The pressure and flow indications are to be considered as basic value. They
 change with different pipe diameter, length or oil viscosity.
- Direction of rotation clockwise=R,anti-clockwise=L looking from shaft end.

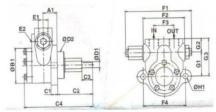
ADVANTAGES:

- Pump barrel made of hydraulic cast-iron.
- · Gear made of hing quality steel.
- Self inducing.
- With internal bypass.
- Pressure regulator, progressively adjustable.
- · Simple attachment with a flange.
- Tight shaft-seal.
- Turning directionto the right or left 1440 or 2880 r.p.m.
- Different mounting position with shaft horizontally or vertically with seal at the bottom.
- Vacuum, pressure and control connections easy to reach.

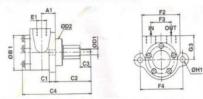
USES(Applications

- Oil burner, hydraulic drive and pressure-pump.
- Pressure and transfer pump.
- Booster pump for diesel locomotion.
- · Pump for force feed lubrication.
- · Eventually with separate pressure regulating valves.
- For gas oil, medium, heavy and vary heavy oil.
- · Filter pumping.
- Pump for PHF units.
- Pump for motor-pump group with flange and coupling parts.

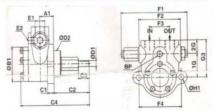
•F01.... Pump With Pressure Relifef Valve & Internal By-pass



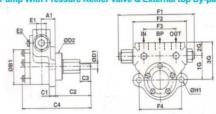
• F02.... Pump without pressure Relief Valve



• F03.... Pump with pressure Relief Valve & External By-pass



•F01.... Pump With Pressure Relifef Valve & External top By-pas



- PumpFor lubrication oil and hydraulic oil.
- *Pump suitable for LDO,FO,HSD &LSHS

Note: as improvement are made from time to time the specification in this bulletin are subject to alteration without notice.

MODEL	CAP. IN LPH AT 1440 RPM		0 B1	C1	C2	СЗ	C4	Ø D1	● D2	O D3	BSP E1	BSP E2	FI	F2	F3	F4	G1	G2	G3	Qh1
FIGS-F01	50-80	20	51	14	76	20	132	12	54	80	3.8	(10)	139	90	38	92	40	27	67	11
FIGA-F01	150-600	30	70	14	76	23	146	12	54	80	1,2"	-	143	90	44	92	48	27	75	11
FIGA-F01	150-600	30	70	14	76	23	146	12	54	80	12"		143	82	44	92	48	-	43	11
FIGA-F01	150-600	30	70	14	76	23	146	12	54	80	12"	1,	143	90	44	92	48	27	75	11
FIGB-F01	1000-2500	38	96	15	124	29	211	18	60	100	34"		162	118	67	120	55	35	90	13
FIGB-F01	1000-2500	38	96	15	124	29	211	18	60	100	3,4	-	-	118	67	120	-		65	13
FIGB-F01	1000-2500	38	96	15	124	29	211	18	60	100	34"	3.8	162	118	67	120	55	35	90	13
FIGA-BT	150-600	30	70	14	76	23	146	12	54	80	12"	14	165	116	70	92	45	27	72	11
FIGB-BT	1000-2500	38	96	15	124	29	211	18	60	100	34"	3.8	194	150	100	120	65	40	105	13
FIGC-F01	3000-6000	85	115	18	127	37	275	22	30	120	1"	-	211	150	80	150	80	40	120	15



contact: 09825277037, 079-22136360, 22134619















Rotary Gea



MOTOR PUMP ASSEMBLY



Motor pump assembly is used for oil lubrication especially where continuous and high dosage of oil is required. It is also applied under oil circulation systems. It is used almost in all machines where free flow of oil is required. The also applied under oil circulation systems. It is used almost in all machines where free flow of oil is required. The different specification is available with different model. It can suck the oil from 2 ft. downwards and circulate the oil up to 10 ft. Height. The rotation of motor pump assembly is indicated on the label. Four mounting holes are provided to mount the system. An electrical terminal box on the surface of the motor is provided for connection. **Technical Specification**

		1	
MODELS	Discharge	Max. Pressure	MOTOR Flange Mounted
HVA-1	1 Litres per minute	15Kg/Cm ²	0.25 HP, 415V. AC1500rpm.
HVA-3	3 Litres per minute	15Kg/Cm ²	0.25 HP,415V. AC1500rpm.
HVA-6	6 Litres per minute	10Kg/Cm ²	0.50 HP,415V. AC1500rpm.
HVA-10	10 Litres per minute	10Kg/Cm ²	0.50 HP 415V. Ac1500rpm.

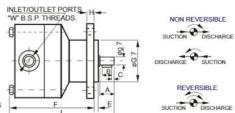
FLANGE TYPE ROTARY PUMPS (Non Reversible / Reversible)

ROTORY PUMPS are gerotor type pumps with positive displacement of oil. On the basis of construction they are of two types, flange type and insert type. Function wise these pumps can be classified into two types non reversible and reversible. Non reversible pumps are rotates only on one direction indicated by an arrow where as the reversible pumps are rotates on either direction, clock-wise and anti-clock-wise.

Dimension 'ØD*'for reversible pumps

ØD / ØD*

4 Nos Ø M MOUNTING HOLES ON 'N' P.C.D.



Dimensions in mm

MODEL	Discharge at 1500 RPM	A	В	С	ØD / ØD*	Ød	E	F	ØG	н	J	K	L	M	N	"W" in BSP
HV-0.5	0.5 LPM	16	12	2	50 / 60	7	2	55	30	5	9	2	71	5	39	1/8
HV-1	1 LPM	22	16	3	60 / 70	10	2	70	35	7	11.5	3	95	6.5	47.5	1/4
HV-3	3 LPM	22	16	3	60 / 70	10	2	75	35	7	11.5	3	100	6.5	47.5	1/4
HV-6	6 LPM	30	18	6	80 / 92	12	3	95	45	10	14	4	130	8.5	65	1/4-3/8
HV-10	10 LPM	30	18	6	80 / 92	12	3	105	45	10	14	4	140	8.5	65	1/4-3/8
HV-16	16 LPM	40	25	7	115 / 135	14	4	120	65	14	16	5	150	9	95	1/2"

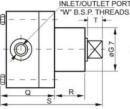


Dimension 'ØD*'for reversible pumps

INSERT TYPE ROTARY PUMPS (Non Reversible / Reversible)







Dimensions in mm

MODEL	Discharge at 1500 RPM	ØD / ØD*	Ød	ØG	M	N	Р	Q	R	s	т	"W" in BSP
HV-1	1 LPM	60 / 70	10	35	6.5	47.5	6	48	24	83	10	1/4
HV-3	3 LPM	60 / 70	10	35	6.5	47.5	6	53	24	88	10	1/4
HV-6	6 LPM	80 / 92	12	45	8.5	65	7	65	33	103	12	1/4-3/8
HV-10	10 LPM	80 / 92	12	45	8.5	65	7	75	33	122	12	1/4-3/8















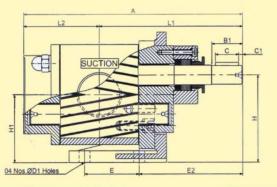
Stainless Steel Rotary Gear Pump

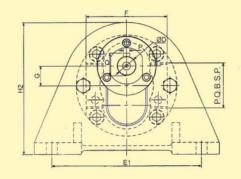
ED TECHNOLOGY FOR PUMPING VISCOUS LIQUID

SV Industries brand gear pump model "SVSS" Which is self priming bi-directional, positive displacement rotary pump in all stainless steel (SS-316) investment casting construction with nitrided gear/shaft & dry-teflon coated DU bush bearing requiring no lubrication. These pump in three piece construction are easily are easily cleanable and maintainable. The back cover can simply be removed by four dom nut or the right angle mounting brackets facilitate foot mounting of the pump on base plate with electric motor appropriate ratings.

MATERIAL OF CONSTRUCTION

- * Pump Body: CF8M-S.S.316
- * Front Cover: CF8M-S.S.316
- * Back Cover: CF8M-S.S.316
- * Gland Cover: CF8M-S.S.316
- * R.H & L.H. Gear: ASIS S.S.316
- * Rotor / Stator Shaft: ASIS S.S.316
- * Bush Bearings: Teflon Coated 'DU'
- * Mounting Bracket: C.I.Gr. 20 IS 210
- * Dom Nut :ASIS S.S.316
- * Sealing: "Z" Pack teflon
- * Packing: Teflon Sheet
- * Key for Coupling: AISI S.S. 316





MODEL & POWER CHART

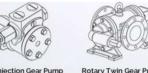
PUMP	SUCTION	CA	PACIT	Y	POW	ER RE	Q.	Unit				I	PUMI	DIN	MENS	ION							WT.
MODEL	&		1440 RPM			OLOA SCOUS H.P.		H.P per Kg.		OV	ER AL	L				MOU	JNTI	NG &	SHA	FT			OF PUMP
svss	DELIVERY	LPM	US GPM	M3/hr	200 CST	500 CST	750 CST	Kg.	A	F G	H2	L1	L2	E	E1	E2	Н	H1	D D1	C ₁	PQ	B1	IN KG.
015	1/8" X 1/8"	5.0	1.3	0.3	0.14	0.18	0.30	0.015	123	54	101	91	32	40	120	90	63	50.5	11.5	17	4	25	1.80
025	1/4 X 1/4"	8.3	2.2	0.5	0.20	0.25	0.35	0.02	129	12.5	101	94	35	40	120	90	63	50.5	8	3	13	25	2.00
040	3/8" X 3/8"	16.6	4.4	1.0	0.35	0.40	0.55	0.04	134	61	112	98	36	50	120	88	71	57	11.5	17	4	25	3.00
050	1/2" X 1/2"	25	6.6	1.5	0.40	0.50	0.70	0.06	146	14	112	103	41	50	120	88	71	57	8	3	13	25	3.50
075	3/4" X 3/4"	33.3	8.8	2.0	0.45	0.55	0.90	0.09	160	72.5	128	123	46	55	140	92	90	73	14	25	5	35	4.50
100	1" X 1"	50	13.2	3.0	0.50	0.60	1.0	0.13	177	17	128	115	52	55	140	92	90	73	10.5	3	16	35	5.00
125	11 X 11 4	100	26.4	6.0	0.65	0.85	1.25	0.28	210	90	149	143	66	50	155	111	100	79	18	30	6	38	7.00
150	1½" X 1½"	125	33.0	7.5	0.75	0.95	1.50	0.35	225	21	149	151	73	50	155	111	100	79	12	3	20.5	38	10.50
200	2" X 2"	150	39.6	9.0	0.90	1.15	1.75	0.45	251	103	167	162	85	70	190	131	112	87	24	30	8	40	20.50
200	2 12	200	52.8	12.0	1.00	1.25	2.15	0.60	281	25	167	179	97	70	190	131	112	87	14	5	27	40	24.00
250	2½" X 2½"	250	66.0	15.0	1.20	1.40	2.35	0.65	299	122	197	206	93	85	200	161	132	102	28	40	8	50	35.00
250	22 ^ 22	300	79.25	18.0	1.40	1.65	2.50	0.77	319	30	197	218	101	85	200	161	132	102	16	5	32	50	40.00

MODEL & POWER CHART

For calculating the power requirement at duty point, multiply the duty point pressure with unit horse power & add no load viscous power of appropriate viscosity, provide safety margin before fixing the rating of the prime mover. for higher viscosity further margin may be kept or the manufacturer may be consulted. All sizes of "SVSS" pumps are designed to run at 1440 RPM up to viscosity of 500 CST. For small Size pump up to 1" same can be safely run at 1440 RPM even at higher viscosity up to 1000 CST with additional horse power. For Size above 1" reduce the speed to 960 RPM for viscosity up to 1000 CST. For higher Viscous liquids, consult the manufacturer to avoid cavitation & over loading problem

MODEL & POWER CHART

This compact and efficient SS pump can be used for handling viscous food Products like Ghee, Butter, Fruit Pulp, Vegetable Sauce, Starch etc. They are also used in Pharmaceutical industries for handling sugar solution, glycerine, glycol etc. In chemical industries corrosive viscous chemicals can be easily handled with this pump most effectively.





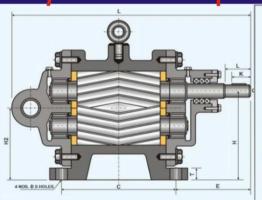


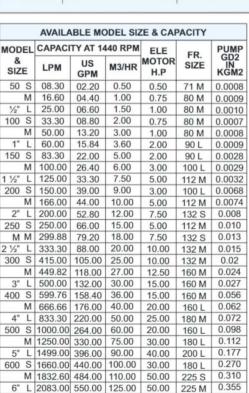


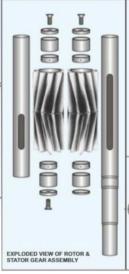


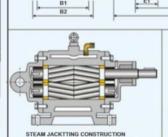
			PARTS L terial of C				
SR.	ITEM	QT	MATERIAL	SR.	ITEM	QT	MATERIAL
01	PUMP CASING	1	CI/CS/SS	12	R. V. PISTON	1	EN-8/SS
02	FRONT COVER	1	CI/CS/SS	13	R. V. SPRING	1	SPR.ST
03	BACK COVER	1	CI/CS/SS	14	R. V. AD SCREW	1	EN-8/SS
04	GLAND COVER	1	CI/CS/SS	15	BASET PLAE	1	M.S
05	ROTOR SHAFT	1	EN9/19/SS	16	COUP. GUARD	1	ALUMN.
06	STATOR SHAFT	1	EN9/19/SS	17	COUPLING	1	FLEXIBLE
07	IMPELLER GEAR	1	EN-24/SS	18	COUP. KEY	1	EN-8/SS
08	NEEDLE BEARING	4	INAVIKO	19	SEALING SYS.	2	OS/MS/GP
09	WEAR PLATE	4	BRONZE	20	DOWEL PIN	4	SILV. ST.
10	LIFTING HOOK	4	STEEL	21	COMP. FLANGE	2	MS/SS
11	R. V. HOUSING	1	MALIRON	22	H/T. HEX BOLT	12	EN-8/SS

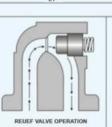
Rotary Twin Gear Pump













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									DIEM	IENS	IONS	3									WEIGHT BP-COU
		OVE	RALL							MOUN	NTING						SHAFT	г	FLA	NGE	PUMP
A1	J A	J1	L1	K1	F1	B	S S1	E F	H	Н1	T1 T	E1	C1	B1	11	D R1	K L	P Q	M	G R	BP-COU IN KG.
503 538 538	122	265 285 285	500 525 525	145 170 170	125 130 130	80 - 100	8 -	91 - 150	80 - 68	158 163 163	75 - 10	37 36 36	340 365 365	112 125 125	147 152 152	11.5	22	4 - 13	16 - 60	89	11.5 9.00 12.00
570 570 620	136	285 285 315	600 600 650	145 145 180	139 139 146	90	10	100	90	168 168 175	75 - 10	26 26 26	360 360 410	120 120 140	152 152 152 159	15	25 - 30	5	16 - 79	109	12.2 10.0 13.1
667 697	160	315 328 353	625 750 750	165 205 230	167 165 175	105	10	119	100	180 178 190	75 - 12	30 30 26	375 500	130 170 190	160 158 170	21	25 - 40	6 - 23.5	16	127	14.0 22.5
742 738 738	318 174	346 351	775 800	210 230	176 176	110	12	133	112	190 190 210	75	50 65	500 525 550	170 190	168 168	24	39	8	19	152	19.0 17.5 23.00
853	369	396	850	256	198	150	15 15	200	90	214	14	50 35	600	216	188	4 27	50 40	27	121	4	20.8
913 953	200	376 298 398	900 950	240 255 255	203	160	- 15	163	132	210 210 263	75 - 15	50 50	650 650 700	205 218 218	194 194 184	- 4	- 58	- 30	19	179	18.5 43.00 22.5
1015 1113	240	449 473	1050 1100	287 304	245 285	160	18	168	160	263 263	100	84 75	750 800	240 254	234 234	32	49	10	19	190	22.0 59.00
1113 1185 1231	481 274	523 523 559	1100 1200 1250	304 315 310	245 278 278	180	19	189	131	263 283 283	100	75 58 58	800 800 900	254 265 254	234 248 248	37	60 54	10	162	229	33.00 40.0 82.0
1296	564	559 568	1300	330	278	270	19 19	280 215	145	283	25 125	90	900	279	248	4	65 60	40	190	8 254	47.2 58.0
1357	615	539 672	1400	365 380	297 297	280	- 22	300	160	328 328	25	125 116	1000	300 318	298 298	4	85	50.5	215	- 8	150.0 50.0
1432 1608	343	642 723	1500 1650	305 420	352 348	220	20	215	225	358 353	150	183 137	1100 1150	245 356	311 306	52	80	16	22	279	50.5 175.0
1608 1667	690 367	728 778	1650 1650	430 430	348 358	350 240	22 22	340 231	178 250	353 403	25 150	137 136	1150 1150	356 356	306 353	4 57	95 81	56 16	241	8 279	76.0 77.7
1882 1882	749	853 853	1800 1850	480 530	435 390	380	22	360	200	433 433	28	126 126	1350 1350	457 457	393 393	4	100	59	241	8	190.0 87.00



M 2915.50 770.00 175.00 75.00

6" L 3332.00 880.00 200.00 100.00

0.4561

0.542

225 S

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600 S 2499.00 660.00 150.00

contact: 09825277037, 079-22136360, 22134619