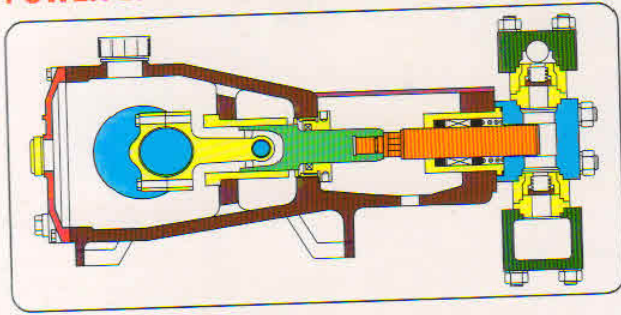


**HIGH PRESSURE
TRIPLEX RECIPROCATING
PLUNGER PUMPS**



PREEVOL
TRIPLEX PLUNGER PUMPS

POWER END MECHANISM



For each PREEVOL Pump, the POWER END is engineered out of selected materials and it is designed for the rated horse - power.

POWER FRAME

Power frame is totally enclosed. Dust and oil tight enclosure eliminating contamination from the outside elements.

Reduced maintenance cost and increased reliability.

CONNECTING RODS

Accurately machined and honed for longer life I-section design for rigidity and light weight. Split-bolted marine type crank-pin end for easy assembly and disassembly. Refle-drilled oil passage.

CROSS HEAD

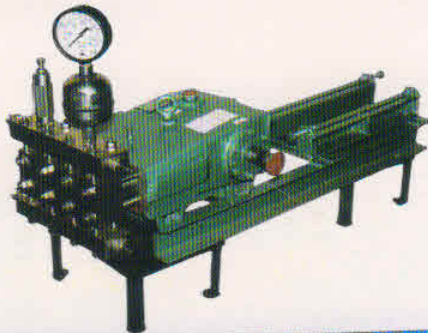
Fully cylindrical crossheads and guides utilize maximum possible bearing area. Less wear thru greater disbursement of bearing loads. Assures greater reliability with low replacement costs.

CRANK SHAFT

Forged hardened and ground crank shaft provides unmatched strength and surface hardness for long life.

LUBRICATION

Splash type lubrication system for all power and bearing contained within sealed chamber.



Capacity :
Up to 1000 L/min

Pressure :
Up to 1000 Kg/Cm²

Temp. :
Upto 3000C

Preevol Pumps have a proven continuous, heavy-duty performance record indicating long intervals between servicing. This assures you of the best return on your investment.

TRIPLEX DESIGN

One of the most cost-efficient ways to ensure extra long life for your high pressure system is to use a PREEVOL Pump with its three-cylinder design. This triplex design gives you much smoother flow (approximately 1/7th the pressure variations of comparable two-cylinder pumps) and minimises the possibility of system failure due to excessive pulsation.

BEARINGING

Antifriction steel-tapered roller bearing provide extended bearing life.

PLUNGER

The triplex plunger pump perform smoothly and quietly. The natural lubricity of the pumped fluid cools and lubricates the seals. The hardened, polished ceramic coated plunger provide extremely durable wear surfaces, abrasion resistance and maximum seal life.

GLAND PACKING

The stuffing box assemblies are individually bolted to the fluid cylinder for easy accessibility, for disassembly and assembly. Reduced maintenance costs and downtime.

VALVE ASSEMBLY

All Valve assemblies are completely independent of and are clamped between manifolds and fluid cylinder. Easy valve inspection and replacement without any clean-up or rematching of mating components.

POWER END

- Pressure lubrication provided by externally mounted lub oil pump - driven directly off crank shaft end opposite main drive end, or separate motor driven. Recommended for pump speed below 165 rpm.
- Overhead motor mounting on pump frame complete with belt adjustment jackscrews.

- V-belt drives or separate gear reducers with couplings and guards are available in a wide range of popular ratios.
- Easily removable steel or plexiglass covers to protect stuffing box compartment in outdoor or dirty, dusty indoor locations.

FLUID END

- Pump mounted mechanical lubricator for plunger packing, lubrication recommended for higher pressure ranges when non-lubricating type fluids are being pumped.
- Spring loaded stuffing box packing can be supplied to provide constant plunger sealing pressure, thus eliminating manual packing adjustments.
- Special suction and discharge manifold connections are available to meet special piping and installation requirements.
- Suction air chamber for dampening intake pulsations.
- Discharge pulsation dampner.
- Discharge safety relief valves.

GIVES YOU MORE FLEXIBILITY

- PREEVOL's Pumps line-up gives more options than any other available. You can get:

DRIVES

- 'V' Belt pulley with electronic motor.
- Direct drive with electric motor / engine / generator.
- 'V' Belt pulley with speed variator.
- Gear drive with electric motor.

REGULATION

- Simplex / Duplex / Triplex / Quintuplex.
- Skid-mounted package or bare unit with wide range of optional accessories.
- Maximum parts interchangeability
- Maximum interchangeability of parts between standard models provides added advantage to the customer for maintenance and spare parts availability and stocking.



PREEVOL
TRIPLEX PLUNGER PUMPS

MATERIAL OF CONSTRUCTION FOR LIQUID CONTACT PARTS.

- AISI-304, AISI-316
- Alloy-20Hastelloy - 'B' or 'C'
- Parts consisting of special materials can be specially manufactured against specific needs.
- Available in ceramic coated or Hardchrome plated or colomnoy coating plungers.
- Gland packing flushing, cooling lubrication can also be provided against specific orders.

ACCESSORIES

Flanges	Back Pressure Valve
Pulsation dampners	Trolley / skid
Pressure gauge	Suction tank
Pressure relief valve	Suction strainer
Non return valve	Nozzle
Ele. Motor/Speed Variator	H.P. Hose Pipe
Jetting Gun	



Products

PHT - 75 Triplex

PLUNGER DIAMETER	PRESSURE KG. / CM2	FLOW RATE IN LPM AT STANDARD STROKE FREQUENCY							
		100	200	300	400	500	600	700	800
10	350	0.47	0.93	1.40	1.87	2.33	2.80	3.27	3.73
15	155	1.05	2.10	3.17	4.20	5.25	6.30	7.35	8.40
20	88	1.90	3.77	5.65	7.53	9.37	11.30	13.19	15.13
25	55	2.94	5.87	8.80	11.73	14.67	17.60	20.53	23.47
30	30	4.23	8.47	12.70	16.93	21.33	25.40	29.63	33.87

PHT - 100 Triplex

PLUNGER DIAMETER	PRESSURE KG. / CM2	FLOW RATE IN LPM AT STANDARD STROKE FREQUENCY							
		100	200	300	400	500	600	700	800
10	402	0.17	1.05	1.58	2.12	2.65	3.77	3.70	4.23
15	173	1.18	2.37	3.57	4.77	5.95	7.15	8.33	9.52
20	98	2.12	4.23	6.35	8.47	10.60	12.70	14.80	16.90
25	62	3.13	6.60	9.90	13.20	16.50	19.80	23.10	26.40
30	43	4.77	9.53	14.23	19.10	23.80	28.60	33.13	38.10

PHT - 200

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm	500 Rpm	600 Rpm
		Litres/m	Litres/m	Litres/m	Litres/m	Litres/m
10	804	1.6	2.5	3.3	4.2	5.0
15	257	3.6	5.7	7.6	9.5	11.4
20	196	6.7	10.2	13.5	16.9	20.3
35	124	10.6	15.9	21.1	26.5	31.8
30	86	15.2	22.8	30.5	38.1	45.7
35	63	20.7	31.1	41.5	51.9	62.3

PHT - 300

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm	500 Rpm	600 Rpm
		Litres/m	Litres/m	Litres/m	Litres/m	Litres/m
20	344	7	11	15	19	22
25	218	11	17	23	29	35
30	150	17	25	34	42	51
35	111	23	35	46	58	70
40	84	30	45	61	76	91
45	66	38	52	77	96	115
50	54	47	71	95	119	143

PHT - 400

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm	500 Rpm
		Litres/m	Litres/m	Litres/m	Litres/m
25	436	14	22	29	36
30	301	21	31	42	52
40	169	37	55	74	92
50	109	58	87	116	145
55	89	70	105	141	176
60	75	83	125	167	209
65	64	98	147	197	246

PHT - 500

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm
		Litres/m	Litres/m	Litres/m
30	473	28	42	57
40	267	50	76	101
50	171	79	119	158
55	141	96	144	192
60	118	114	171	228
70	86	155	233	311
75	75	178	268	357

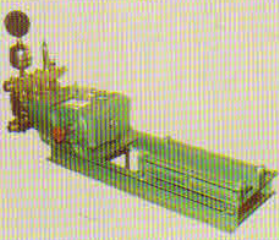
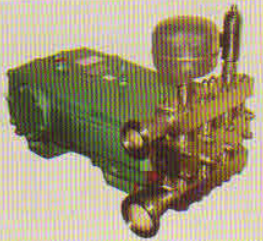
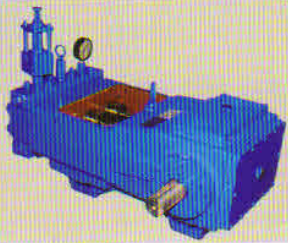
PHT - 550

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm
		Litres/m	Litres/m	Litres/m
22	758	17	25	35
30	601	32	48	64
40	337	57	85	115
50	216	88	132	176
70	110	175	262	350
75	96	201	300	402
85	75	258	387	517

PHT - 700

PLUNGER DIAMETER	PRESSURE KG. / CM2	200 Rpm	300 Rpm	400 Rpm
		Litres/m	Litres/m	Litres/m
50	623	132	198	264
60	429	190	286	381
65	367	223	335	447
70	316	259	389	519
75	274	298	447	596
80	242	339	508	678
85	214	382	574	765
90	190	429	643	858
100	154	529	794	1059

Designs and specifications are subject to change without notice or obligation.



Mfd. by :

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