



MEW EB 30 TO 6000 :
PUMP WITH PRESSURE RELIEF VALVE & EXTERNAL BYPASS

MEW IB 30 TO 6000 :
PUMP WITH PRESSURE RELIEF VALVE & INTERNAL BYPASS

MARUTI FUEL INJECTION INTERNAL GEAR PUMP

PUMP MODEL	SUCTION, DELIVERY & BYPASS (BP)	CAPACITY IN LPH		RECOMMENDED HP.	
		AT 1440 RPM	AT 2800 RPM	3kg/Cm ³	40kg/Cm ³
MEW - A60	3/8" x 3/8"	30 - 60	120	0.5	1.0
MEW - A90	3/8" x 3/8"	90	180	0.5	1.0
MEW - B150	1/2" x 1/2" x 1/4"	150	300	1.0	1.5
MEW - B150 X 2	1/2" x 1/2" x 1/4"	300	-	1.0	1.5
MEW - B300	1/2" x 1/2" x 1/4"	300	-	1.0	1.5
MEW - B450	1/2" x 1/2" x 1/4"	450	-	1.5	2.0
MEW - B600	1/2" x 1/2" x 1/4"	600	-	1.5	2.0
MEW - C1000	3/4" x 3/4" x 3/8"	1000	-	2.0	3.0
MEW - C1500	3/4" x 3/4" x 3/8"	1500	-	3.0	5.0
MEW - C2000	3/4" x 3/4" x 3/8"	2000	-	3.0	5.0
MEW - C2500	3/4" x 3/4" x 3/8"	2500	-	3.0	5.0
MEW - D3000	1" x 1" x 3/4"	3000	-	5.0	7.5
MEW - D4000	1" x 1" x 3/4"	4000	-	5.0	12.5
MEW - E6000	1" x 1" x 3/4"	6000	-	10.0	15.0

PART STANDARD MOC

SR. NO.	PART	M.O.C
1	Body	FG260 C.I / PB2 / S.S
2	Cover	C.I ; C.I Nitrated / PB2
3	Rotter	EN-19 ; 20mm Cr5
4	Gear	SAE : 8620
5	Idler Pin	PB2 ; Tungsten , Carbide
6	Bolts	M.S Hardened & Blacker

- Concept : Internal Gear Pump
- Type : Positive Displacement Gear Pump
- Brand : Maruti
- Normal flow at 1440 r.p.m or 2880 r.p.m with oil viscosity 32 Cst. At 37.5° C at normal working temperature and 10kg/Cm³ pressure
- Min. Viscosity 5 Cst. Max. 500
- Max. Liquid temperature 250° C up to 1500° C
- Capacity / Range : 30 to 6000LPH. Max Pressure 40 kg/cm³
- 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
- Anticlockwise = L looking from shaft end.

FEATURES / ADVANTAGES :

- Manufactured from specially selected materials & processed to close tolerances for a long , Trouble free, working life
- Gear & Shaft of Alloy steel & heat treated
- "Mechanical Dynamic Oil Seal System" for High Temperature & High Speed use & for Zero Leakage
- Self Lubrication , Self Priming
- Built in pressure Relief Valve.
- Standard Mounting dimensions for easy Replacement.
- High RPM Possible only in 30 , 60 , 90 , 150 LPH Models only

APPLICATION :

- Oil Burner, Boilers, Hydraulic Drive & Pressure Pump
- Force Feed Lubrication
- Booster Pump for heavy diesel engine
- Pumping for filtration.
- Bitlumen tank burner.
- Dryer Burner of Hot Mix Plant
- Most Suitable for LSHS Furnance Oil, L.D.O., HSD

DIMENSIONAL DRAWING DETAIL

MODEL	CAP. IN LPH AT 1440 RPM	A1	B1	C1	C2	C3	C4	D1	D2	D3	BSP E1	BSP E2	F1	F2	F3	F4	G1	G2	G3	H1
MEW IB	50 - 80	20	51	14	76	20	132	12	54	80	3/8"	-	139	90	38	92	40	27	67	11
MEW IB	150 - 600	30	70	14	76	23	146	12	54	80	1/2"	-	143	90	44	92	48	27	75	11
MEW EB	150 - 600	30	70	14	76	23	146	12	54	80	1/2"	1/4"	143	90	44	92	48	27	75	11
MEW IB	1000 - 2500	38	96	15	124	29	211	18	60	100	3/4"	-	162	118	67	120	55	35	90	13
MEW EB	1000 - 2500	38	96	15	124	29	211	18	60	100	3/4"	3/8"	162	118	67	120	55	35	90	13
MEW IB	3000 - 6000	85	115	18	127	37	275	22	80	120	1"	3/4"	211	150	80	150	80	40	120	15