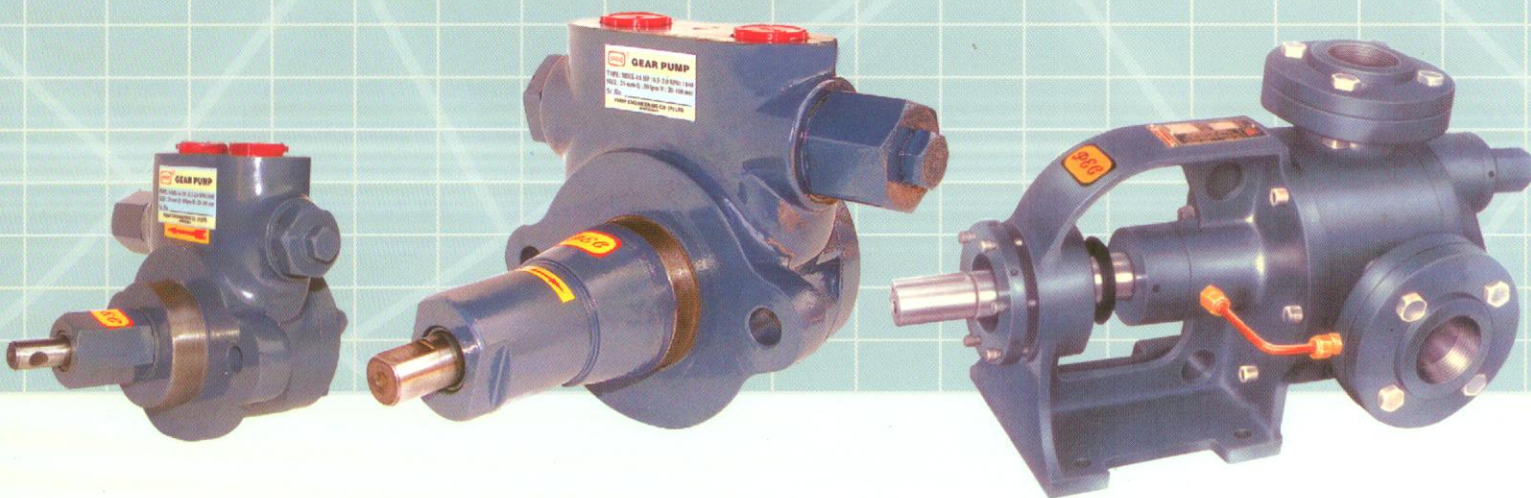


Internal Gear Pumps.



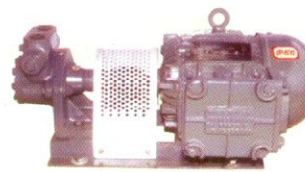
DESIGN FEATURES

- Positive displacement
- Internal Lubrication by pumping liquid.
- Available with or without built-in pressure relief valve & external by pass
- Mech. shaft seal preventing leakage of liquid.
- Self priming
- For non-corrosive and non-abrasive liquids only.
- Direction of rotation clock wise = R
- Anti clock wise = L looking from shaft end

APPLICATIONS

- Boilers, Oil burner, Hydraulic drive
- Pressure and transfer of fuels and oils
- Booster pump for Diesel locomotive.
- For force feed lubrication.
- For Gas oil medium, Heavy oil
- For lubrication oil and Hydraulic oil
- Suitable for LDO, FO, HSD & LSHS

INTERNAL GEAR PUMPS

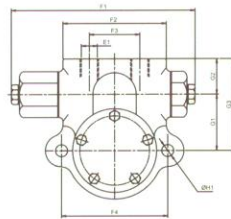
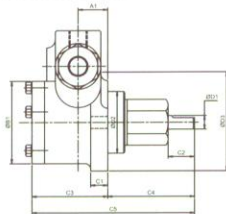


PERFORMANCE TABLE

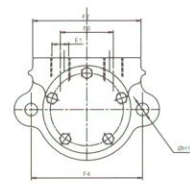
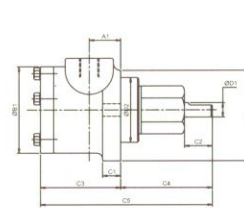
PUMP MODEL & GROUP		Suc. & DEL. Inch/mm	CAPACITY LPH		PRESSURE KG/CM2	RECOMMENDED HP	
			1440 RPM	2880 RPM		3 Kg / cm2	30 Kg/cm2
PIGA-150	PIGA-150 BT	1/2" (15)	150	300	0-30	0.25 HP	1.5 HP
PIGA-300	PIGA-300 BT	1/2" (15)	300	600	0-30	0.25 HP	1.5 HP
PIGA-450	PIGA-450 BT	1/2" (15)	450	900	0-30	0.25 HP	1.5 HP
PIGA-600	PIGA-600 BT	1/2" (15)	600	-	0-30	0.25 HP	2.0 HP
PIGB-1000	PIGB-1000 BT	3/4" (19)	1000	-	0-30	0.75 HP	3.0 HP
PIGB-1500	PIGB-1500 BT	3/4" (19)	1500	-	0-30	0.75 HP	3.0 HP
PIGB-2000	PIGB-2000 BT	3/4" (19)	2000	-	0-30	0.75 HP	5.0 HP
PIGB-2500	PIGB-2500 BT	3/4" (19)	2500	-	0-30	0.75 HP	5.0 HP

- Rated flow at 1440 RPM and 2880 RPM with oil viscosity 32Cst. At. 37.5°C at Ambient working temperature and 10 kg / Cm2 pressure
- Minimum viscosity 10 cst.
- Maximum viscosity 450 cst .
- Maximum liquid temperature 200 'c
- Maximum vacuum 600 mm Hg
- The pressure and flow indications are to be considered as basic value at specilied conditions
- Performance shall differ with change in pipe diameter, length and viscosity of the liquid

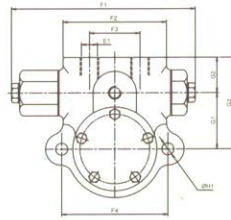
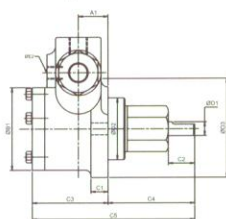
Pump with Pressure Relief Valve.



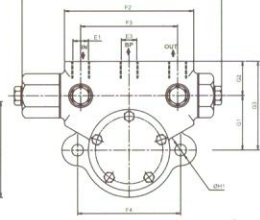
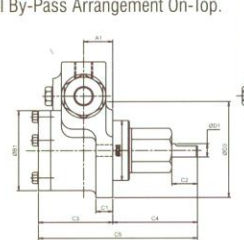
Pump Without Pressure Relief Vale.



Pump With Pressure Relief Valve & External By-Pass Arrangement.



Pump with Pressure Relief Valve & External By-Pass Arrangement On-Top.



OVERALL DIMENSIONS

PUMP MODEL	CAPACITY LPH		Ø			Ø			Ø			BSP			BSP			Ø			Ø		
	1440 RPM	2880 RPM	A1	B1	C1	C2	C3	C4	C5	D1	D2	D3	E1	E2	E3	F1	F2	F3	F4	G1	G2	G3	H1
PIGA-D01	150-600	300-900	26	72	15	23	72	76	148	12	54	85	1/2	-	-	160	90	44	93	49	31	80	11
PIGA-D02	150-600	300-900	26	72	15	23	72	76	148	12	54	85	1/2	-	-	-	90	44	93	-	-	43	11
PIGA-D03	150-600	300-900	26	72	15	23	72	76	148	12	54	85	1/5	1/4	-	160	90	44	93	49	31	80	11
PIGB-D01	1000-2500	-	39	96	16	27	88	125	214	18	60	105	3/4	-	-	175	118	67	120	55	35	90	13
PIGB-D02	1000-2500	-	39	96	16	27	88	125	214	18	60	105	3/4	-	-	-	118	67	120	-	-	66	13
PIGB-D03	1000-2500	-	39	96	16	27	88	125	214	18	60	105	3/4	3/8	-	175	118	67	120	55	35	90	13
PIGA-BT	150-600	-	26	72	15	23	72	76	148	12	54	85	1/2	1/4	1/2	175	116	87	93	49	31	80	11
PIGB-BT	1000-2500	-	39	96	16	27	88	125	214	18	60	105	3/4	1/4	3/4	197	150	100	120	55	35	90	13

NOTE: As improvements are made from time to time specifications in this bulletin are subject to alteraton without notice

A Solution to your problems not just a pump.

PUMP ENGINEERING CO. PVT. LTD.



An ISO 9001 : 2000 company

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THE STRENGTH OF PUMPING