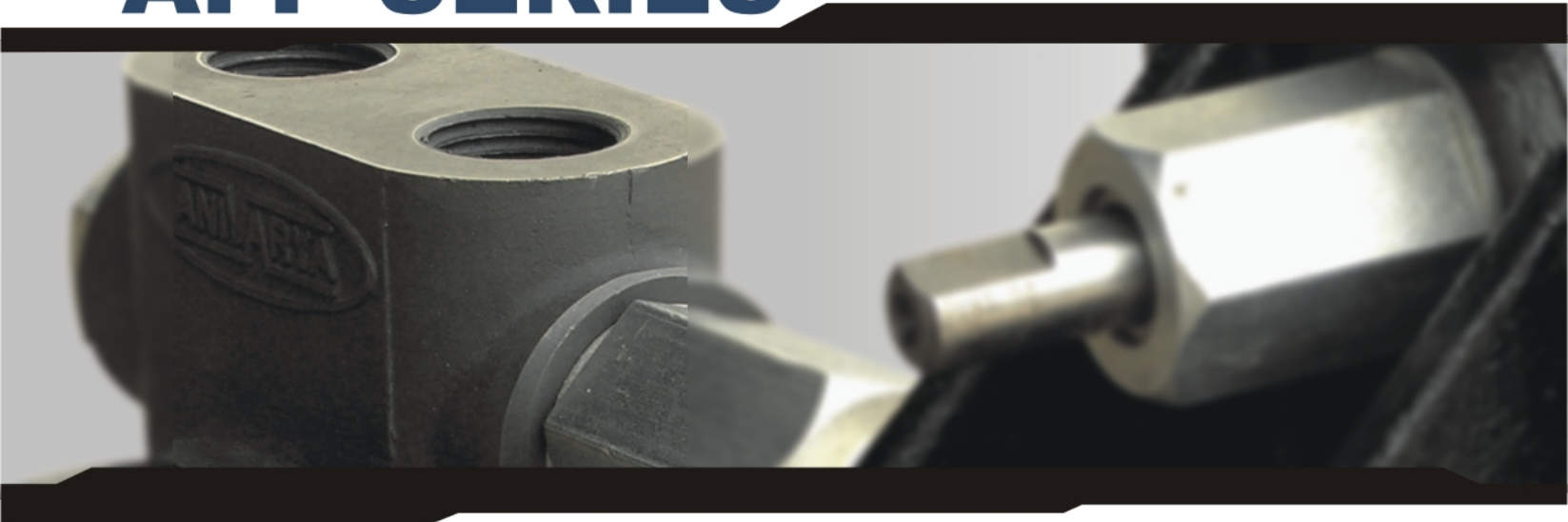


Fuel Pressuring Internal Gear Pump

AFP SERIES



APPLICATION

High Precision Positive Displacement Internal Gear Pump to match the most demanding application in Boilers, Burners, Hydraulic, Fuel Pressuring and Injection. This pump is ideally suitable for handling liquid like LDO, FO, LSHS and can be used as Booster Pump for Diesel Locomotive, Force Feed Lubrication, Oil Filtration System, Oil pumping and Heating Systems and in Machine Tool Units.



PERFORMANCE CHART

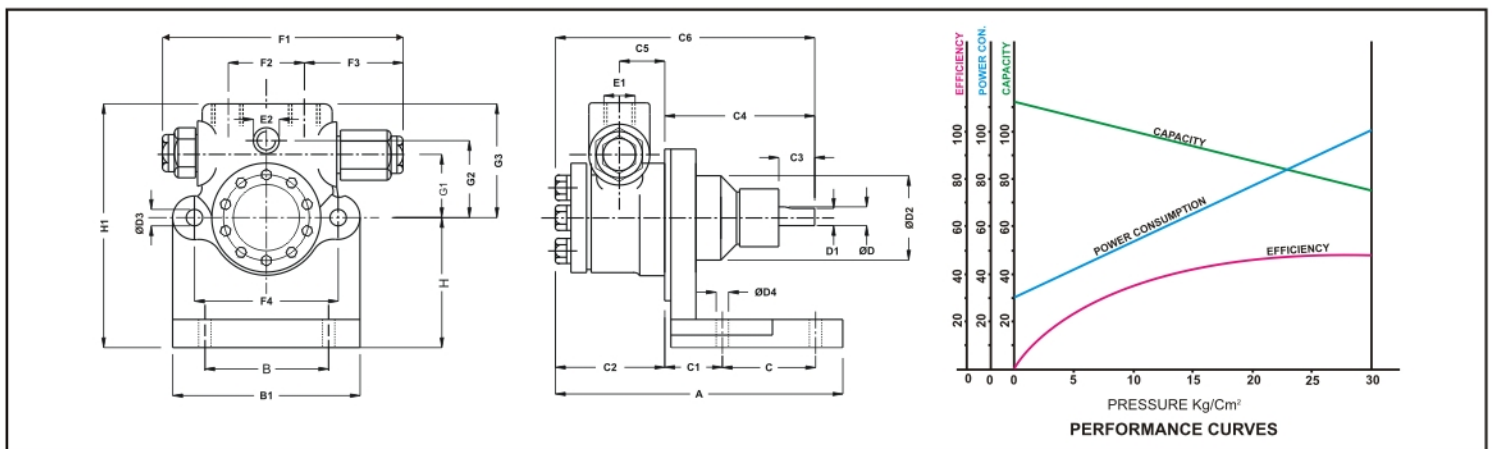
MODEL	INLET OUTLET SIZES	CAPACITY IN LPH	SPEED RPM	RECOMMENDED MOTOR HP		
				5 kg/Cm ²	15 kg/Cm ²	30 kg/Cm ²
AFP-050	1/2" X 1/2" BSP	150	1440	0.25 HP	0.75 HP	1.5 HP
		300		0.25 HP	0.75 HP	1.5 HP
		450		0.50 HP	1 HP	2 HP
		600		0.50 HP	1 HP	2 HP
AFP-075	3/4" X 3/4" BSP	1000		0.75 HP	2 HP	3 HP
		1500		0.75 HP	2 HP	3 HP
		2000		1 HP	3 HP	5 HP
		2500		1 HP	3 HP	5 HP

NO.	PART	MOC
1.	PUMP BODY	CI Gr 25
2.	ECCENTRIC COVER	CI Gr 25
3.	MECHANICAL SEAL HOUSING	MS
4.	SHAFTED ROTOR	EN-31 H&G
5.	IDLER GEAR	EN-31 H&G
6.	WEAR PLATE	PH-BRONZE

These pumps give Max. Pressure of 35kg cm². However for Continuous duty Max. Recommended pressure is 30 kg/cm². Pump model AFP-050 can also be used at 2900 RPM, where the capacity will get approx double of normal duty condition. These pumps are strictly recommended for use in non-corrosive and clear liquids.

FEATURES

Anivarya fuel pressuring pump type AFP is (made out of graded casting) with internal Gears to give long trouble free life and precision performance. This pump is flange mounted type and comes with built in Pressure relief Valve and external by passing arrangement. The pump sealing is done with mechanical seal to ensure zero leakage at max. Pressure. This pump is self priming type and creates Max. vacuum of 600/650 mm Hg. which gives higher suction lift than normal external gear pump. This pump can handle liquid upto 500 cst viscosity and upto temperature 200°C. The direction of rotation of the pump can be clockwise & anti-clockwise as per requirement.



DIMENSIONS :

MODEL	A	B	B1	C	C1	C2	C3	C4	C5	C6	ØD	D1	ØD2	ØD3	ØD4	E1	E2	F1	F2	F3	F4	G1	G2	G3	H	H1
AFP-050	150	104	127	40	28	70	23	76	29	146	12	10.5	54	10.5	8.5	1/2"BSP	1/4"BSP	146	43.5	64	92.5	51	48.5	82	63	145
AFP-075	202	120	154	60	32	90	27	126	39	216	18	16.3	60	12.5	12.5	3/4"BSP	3/8"BSP	169	68	61	120	55	64	92	80	172

Each AFP pump is tested 100% for its performance at 1440 rpm with oil of viscosity 35 cst at normal working temp. and pressure of 30 kg/cm²