

PUMP PERFORMANCE TABLE

PUMP MODEL	Port Size Inlet X Outlet (BSP)	Max Flow	Max Pressure	Speed	Power	Compatible Motor Frame Size
		LPM	BAR	RPM	HP	
IL-20	1/4" X 1/4"	3	6	1450	0.25	FR 63
		5	6	1450	0.25	
IL-21	1/2" X 1/2"	8	6	1450	0.50	FR 71
		10	6	1450	0.50	
IL-25	1" X 1"	15	6	1450	1.00	FR 80
		20	6	1450	1.00	
		25	6	1450	1.00	
		30	6	1450	1.00	
		35	6	1450	1.00	
		40	6	1450	1.00	
IL-26	1 1/2" X 1 1/2"	50	6	1450	2.00	FR 90*
		60	6	1450	2.00	
		70	6	1450	3.00	
		80	6	1450	3.00	FR 100*

Pump data with 40 cSt Lube Oil at 40°C test standard as per (VDMA 24284 G.II CL.II)

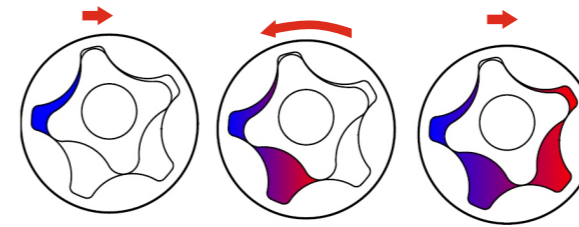
IMPORTANT NOTE:

- Pump must be protected against solid particles in the fluid by suitable suction filters. Also, running dry or with non-lubricating liquid will damage pump.

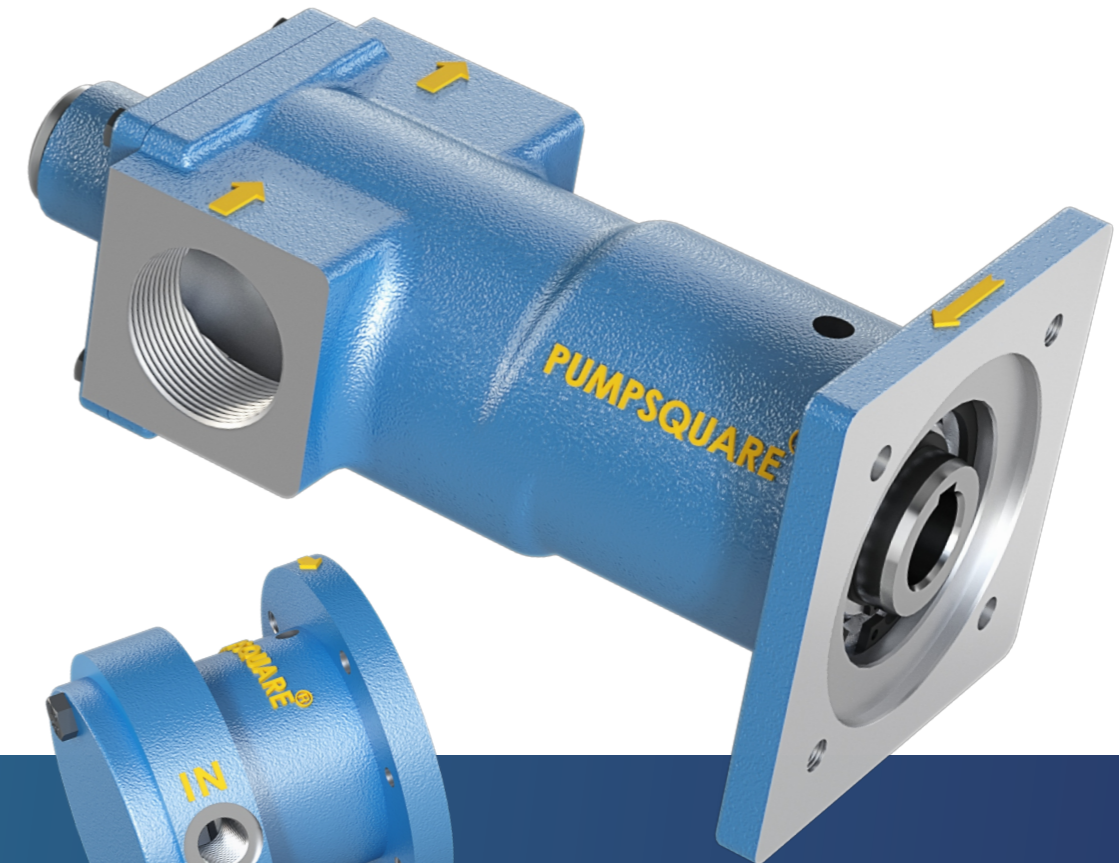
We also Manufacture

INTERNAL GEAR PUMPS	RELIEF VALVES	SIMPLEX / DUPLEX FILTERS
INTERNAL LOBE PUMPS	TWIN SCREW PUMPS	THREE SCREW PUMPS
EXTERNAL LOBE PUMPS	EXTERNAL GEAR PUMPS	FLEXIBLE IMPELLER PUMPS
STRAINERS	PROGRESSIVE CAVITY PUMPS	PERISTALTIC PUMPS

PUMPSQUARE®



PUMP



IL-2X

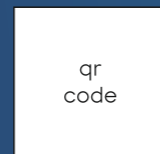
INTERNAL LOBE PUMPS

PRESSURE UPTO 6 BAR
CAPACITY UPTO 80 LPM
SPEED UPTO 1450 RPM
VISCOSITY UPTO 20-320 cSt



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WORKING PRINCIPLE

There are two pumping elements in an internal lobe pump: Inner rotor and Outer rotor. These are designed and machined in house to deliver high performance working. The rotors are mounted uniquely on single shaft, well supported at both the ends by ball bearing to minimize the loads on rotor and motor shaft. As the shaft rotates, the rotors un-meshes at suction side, forming gaps that traps the fluid due to increased volume which is then displaced axially through its pumping elements to the discharge port. Axial flow ensures better suction capabilities, very low noise level and nearly pulsation free flow. Also, these pumps are compact, light weighted and can be serviced and maintained at a place without dismantling the whole assembly. The integrated shaft design or monoblock design eliminates the need of coupling, coupling guards, alignment of motor and pump and shaft run out. These series come with a modular design for the most rugged application. IL – 2X can be provided with special motor ratings as per requirement.

INDUSTRY

- ▶ Pulp and paper
- ▶ Chemical
- ▶ Food and beverages
- ▶ Pharmaceutical
- ▶ Biotechnology



TECHNICAL DATA

- ▶ Shaft Seal : Lip Seal (Mechanical Seal - optional)
- ▶ Jacket : No jacket
- ▶ Relief Valve : Built-In
- ▶ Direction of Rotation : Counter clockwise – Standard
- ▶ Mounting : Block Pump Horizontal & Vertical Mounting as per requirement

APPLICATIONS

- ▶ Unloading and transfer of Lubricating Oil from Tanks and Barrels, pre-heaters and filters and also in daily service tanks.
- ▶ Oil circulation, Gearbox, Bearing and Pressure Lubrication
- ▶ Fuel injection pumps and as Booster pump in Oil Burner services
- ▶ In hydraulic power packs
- ▶ Low pressure – Continuous and intermittent duty application

MATERIAL OF CONSTRUCTION

- ▶ **Pump Housing and Covers:** Cast Iron
- ▶ **Rotor Set:** Sintered Iron
- ▶ **Shaft:** Hardened Alloy Steel
- ▶ **Relief Valve Parts:** In Spring Steel & Cast Iron

TYPICAL LIQUID LIST

- ▶ Lubrication Oil
- ▶ Gear Oil
- ▶ Water Emulsion
- ▶ Transformer Oil
- ▶ Hydraulic Oil
- ▶ Coolant Oil
- ▶ Neat Cutting Oil
- ▶ Mineral Oil
- ▶ Furnace Oil
- ▶ Fuel Oils like HSD & LDO
- ▶ Any media having good lubricating properties

PORTING OPTIONS

