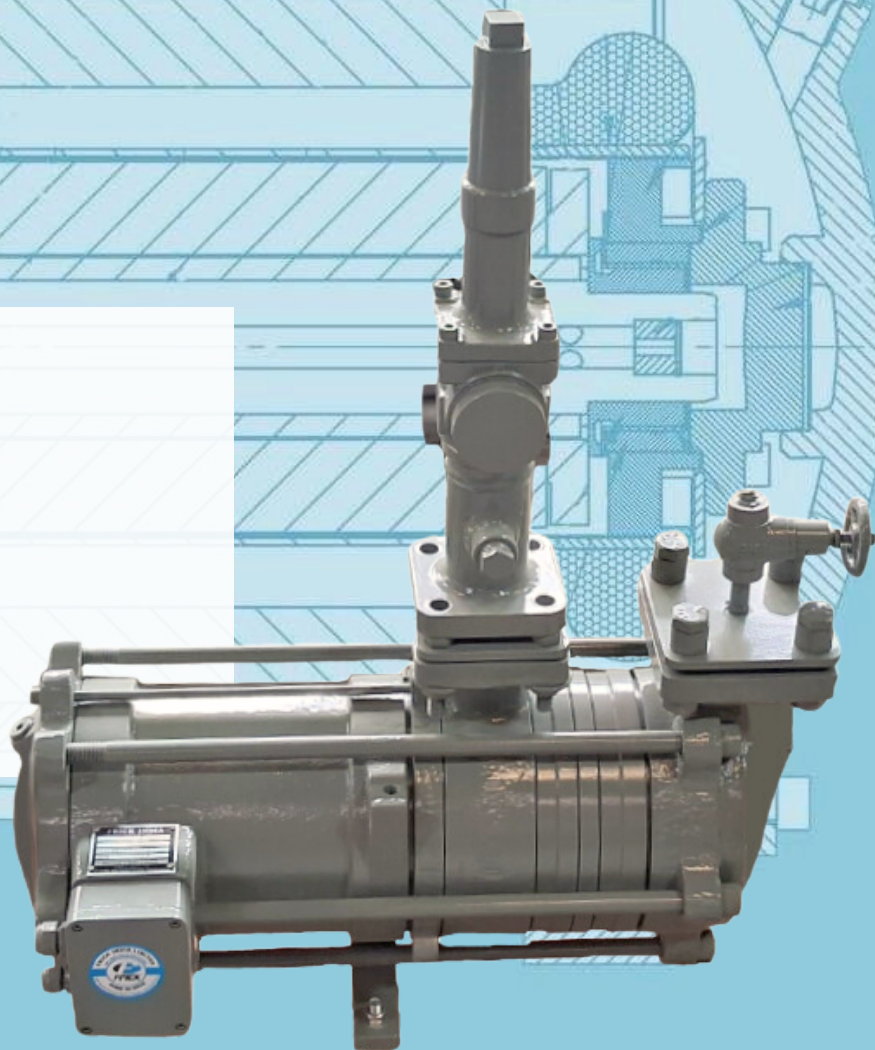


FRICK INDIA HERMETICALLY SEALED LIQUID AMMONIA PUMPS



NO SHAFT
SEAL

NO EXTERNAL
LUBRICATION

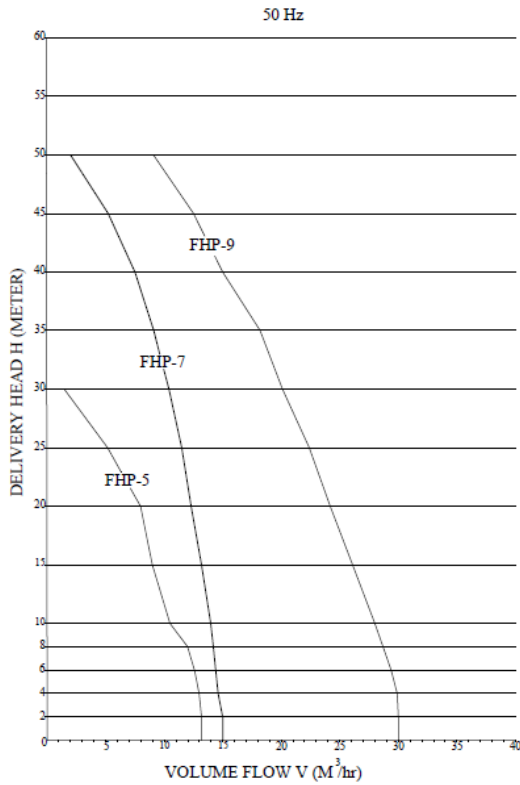
LONG
SERVICE LIFE

PROVEN CANNED MOTOR
PUMP TECHNOLOGY

LOW OPERATING
COST

YOU STILL CAN'T BEAT THE SYSTEM WHEN IT'S ALL FRICK INDIA

PERFORMANCE GRAPH FOR FHP-5, FHP-7, & FHP-9



DESCRIPTION

In Frick India hermetic pumps, the rotating part of the motor is on the same shaft as the pump's hydraulics. This rotor is completely surrounded by a hermetically sealed can, which separates the rotor space from the stator of the canned motor. Since the motor is an integral part of the pump.

FEATURES

- The shaft seal-free motor pump handles fluids and fluid gases hermetically, which also preserves the safe, seal-free properties of this pump.
- The rotor is guided by two hydrodynamic bearings, which are lubricated by the fluid handled and lift the rotor touch-free in operation.
- The axial forces are neutralised by a thrust balance, so that the entire rotor runs touch-free and thus also wear-free.
- The service lives of hermetic sealed pumps are high.
- Life-cycle costs for hermetic sealed pumps are very low.
- Due to their design, hermetically sealed pumps enable higher flow rates, heads, and pressures as compared to open-type pumps.
- Their temperature sensitivity is also much greater, which also enables special applications in the high or low temperature ranges.
- The viscosity of the fluid handled is comparatively high for open-type pumps.
- Hermetic sealed liquid ammonia pumps offer great safety in operation.



PERFORMANCE CHART FOR FHP-5, FHP-7 & FHP-9

FLOW 50 Hz			
DELIVERY HEAD H (M)	VOLUME FLOW V (M3/hr)		
	FHP-5	FHP-7	FHP-9
2	13.2	15.0	30.0
4	13.0	14.6	29.9
6	12.6	14.4	29.4
8	12.0	14.2	28.7
10	10.5	13.9	28.0
15	9.0	13.2	26.1
20	8.0	12.3	24.2
25	5.2	11.5	22.4
30	1.5	10.4	20.1
35		9.1	18.2
40		7.5	15.0
45		5.2	12.5
50		2.0	9.1



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