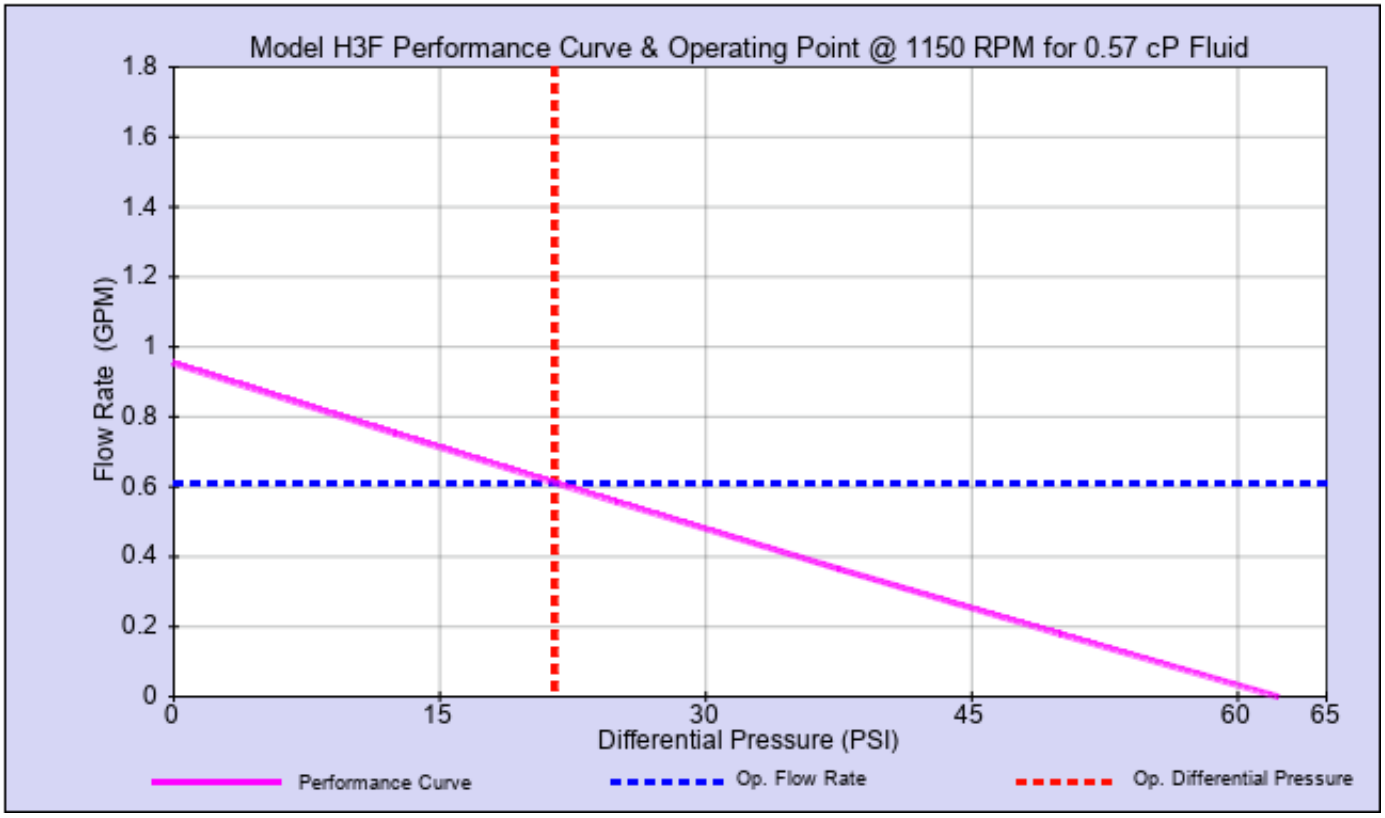
Performance Curve & Application Summary

Customer: DXP- Cortech
Project: 18-J-274A/B/C

Date: Feb 3, 2022
App. ID#: 8071



CONDITIONS of SERVICE:

FLUID:	Sour Water	DENSITY:	0.99 (SG)
FLOW RATE:	0.5 GPM	SUCTION PRESSURE:	6.4 PSI (g)
DIFFERENTIAL PRESSURE:	**21.50 PSI**	DISCHARGE PRESSURE:	27.9 PSI (g)
VISCOSITY:	0.57 cP	VAPOR PRESSURE:	19.7 psia
TEMPERATURE:	124 °F	NPSHA:	3.25 ft

PUMP SELECTION & OPERATING DATA:

		MAX. DIFF. PRESSURE:	62.26 PSI *
MODEL & CONFIGURATION:	**H3F Mag-Drive**	REQUIRED SPEED:	1017 RPM
SELECTED CLEARANCE:	Standard	RUNNING TORQUE:	3.41 in-lb
COUPLING SIZE & RATING:	MCU (75 in-lb)	START-UP TORQUE:	4.51 in-lb
NPSHR:	1.39 ft	BRAKE POWER:	0.06 Hp
CONTROL METHOD:	**Motor @ Rated Speed**	SUPPLY FREQUENCY:	60 Hz
OPERATING SPEED:	**1150 RPM**	MOTOR RATED SPEED:	1150 RPM
RUNNING TORQUE:	3.41 in-lb	MOTOR REQUIRED POWER:	**0.08 Hp ****
ADJUSTED FLOW:	**0.61 GPM**	REDUCER RATIO:	---
C. CAN MATERIAL	316 SS	C. CAN POWER LOSS:	0.013 Hp

* Maximum Differential Pressure may be derated based on material selections or other factors; consult Liquiflo.

** Motor Required Power includes Containment Can Power Loss at operating conditions.

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