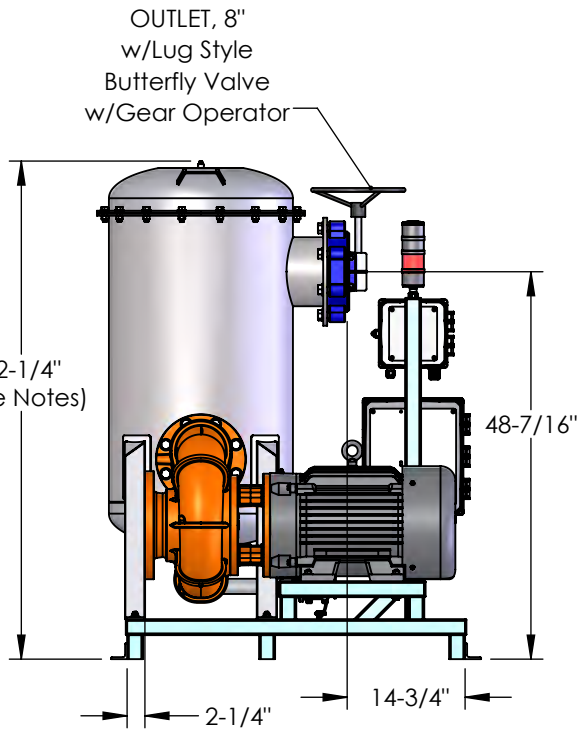
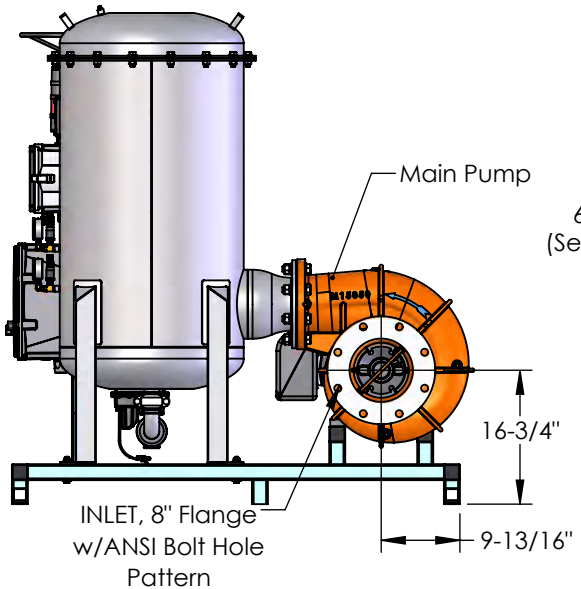
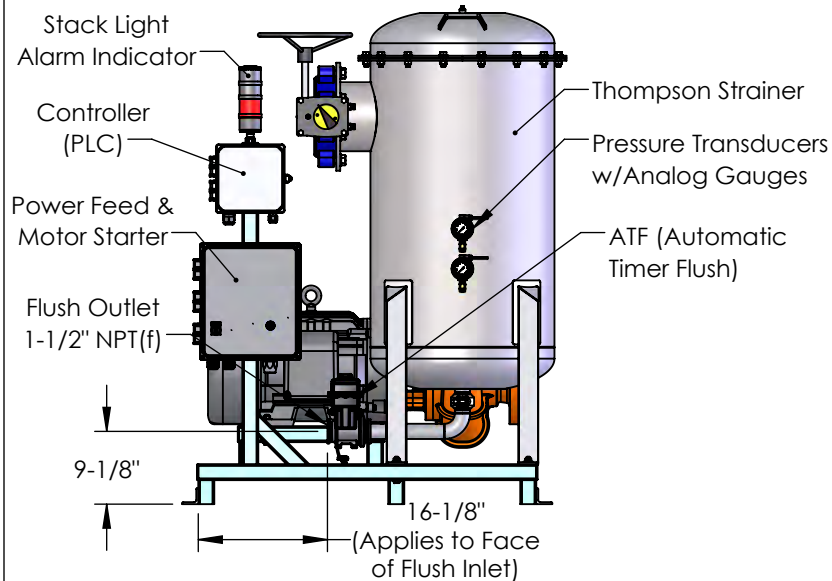


DETAIL A

GENERAL SPECIFICATIONS	
DESIGN FLOW RANGE (GPM)	875-1450
PUMP DISCHARGE RANGE (PSI)	27~24
MAX SYSTEM PRESSURE (PSI)	150
MAX SUPPLY PRESSURE	120
FILTRATION AREA (SQ IN)	1559
MAX TEMP (°F)	135
VOLUME (US GAL)	82
DRY WEIGHT (LBS)	965
MAIN PUMP	25 HP
ELECTRICAL:	460VAC/3Ph/60Hz/35A

MATERIALS		
HOUSING / SCREEN FRAME		304SS
SCREEN		316SS
GASKETS		EPDM
ELBOW & RISER PIPE		304SS
SKID / FRAME		304SS
PUMP CASING		CI
CONICAL FILTER ELEMENT		
PERFORATED SCREEN		1/4"
MESH SCREEN		TBD
SCREEN HEIGHT (IN)		31.23

NOTES
CLEARANCE ABOVE STRAINER EQUAL TO SCREEN HEIGHT REQUIRED FOR SERVICE



PRODUCT SPECIFICATION

MILLER LEAMAN

800 Orange Avenue, Daytona Beach, FL 32114

Dimensions are for reference only.	
CUST. REF.	
PREV. MOD.	
ENG. REF.	ML23011
DWG. DATE	4/5/21
	SHEET 1 of 1

SERIES: THOMPSON
MODEL: PUMP SKID
CONFIGURATION:
MLS-8 Skid System

Pump Performance Datasheet

Customer	: MLS-8 Pump Skid	Quote number	:
Customer reference	:	Size	: 6 x 8 x 9.5 BHH (B6ZPBHH)
Item number	: Default	Stages	: 1
Service	:	Based on curve number	: 6x8x9.5BHH
Quantity	: 1	Basic model number	: B6ZBHH
		Date last saved	: 31 Mar 2021 2:29 PM

Operating Conditions		Liquid	
Flow, rated	: 1,450.0 (875.0) USgpm	Liquid type	: --Water
Differential head / pressure, rated (requested)	: 55.12 (63.23) ft	Additional liquid description	:
Differential head / pressure, rated (actual)	: 55.12 ft	Solids diameter, max	: 0.00 in
Suction pressure, rated / max	: 0.00 / 0.00 psi.g	Solids concentration, by volume	: 0.00 %
NPSH available, rated	: Ample	Temperature, max	: 68.00 deg F
Site Supply Frequency	: 60 Hz	Fluid density, rated / max	: 1.000 / 1.000 SG
		Viscosity, rated	: 1.00 cP
		Vapor pressure, rated	: 0.00 psi.a

Performance		Material	
Speed criteria	: Synchronous	Material selected	: Not specified
Speed, rated	: 1750 rpm		
Impeller diameter, rated	: 8.56 in	Pressure Data	
Impeller diameter, maximum	: 9.63 in	Maximum working pressure	: 29.06 psi.g
Impeller diameter, minimum	: 8.12 in	Maximum allowable working pressure	: 175.0 psi.g
Efficiency	: 78.74 (61.04) %	Maximum allowable suction pressure	: N/A
PEI (CL)	: 0.96	Hydrostatic test pressure	: N/A
NPSH required / margin required	: 15.01 (13.37) / 0.00 ft	Driver & Power Data (@Max density)	
Ns (imp. eye flow) / Nss (imp. eye flow)	: 3,261 / 9,583 US Units	Driver sizing specification	: Rated power
MCSF	: 618.9 USgpm	Margin over specification	: 0.00 %
Head, maximum, rated diameter	: 67.13 ft	Service factor	: 1.15 (used)
Head rise to shutoff	: 20.72 (5.24) %	Power, hydraulic	: 20.18 (13.97) hp
Flow, best eff. point	: 1,692.5 USgpm	Power, rated	: 25.63 (22.89) hp
Flow ratio, rated / BEP	: 85.67 (51.70) %	Power, maximum, rated diameter	: 27.61 hp
Diameter ratio (rated / max)	: 88.89 %	Minimum recommended motor rating	: 25.00 hp / 18.64 kW
Head ratio (rated dia / max dia)	: 71.37 %		
Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00		
Selection status	: Acceptable		

