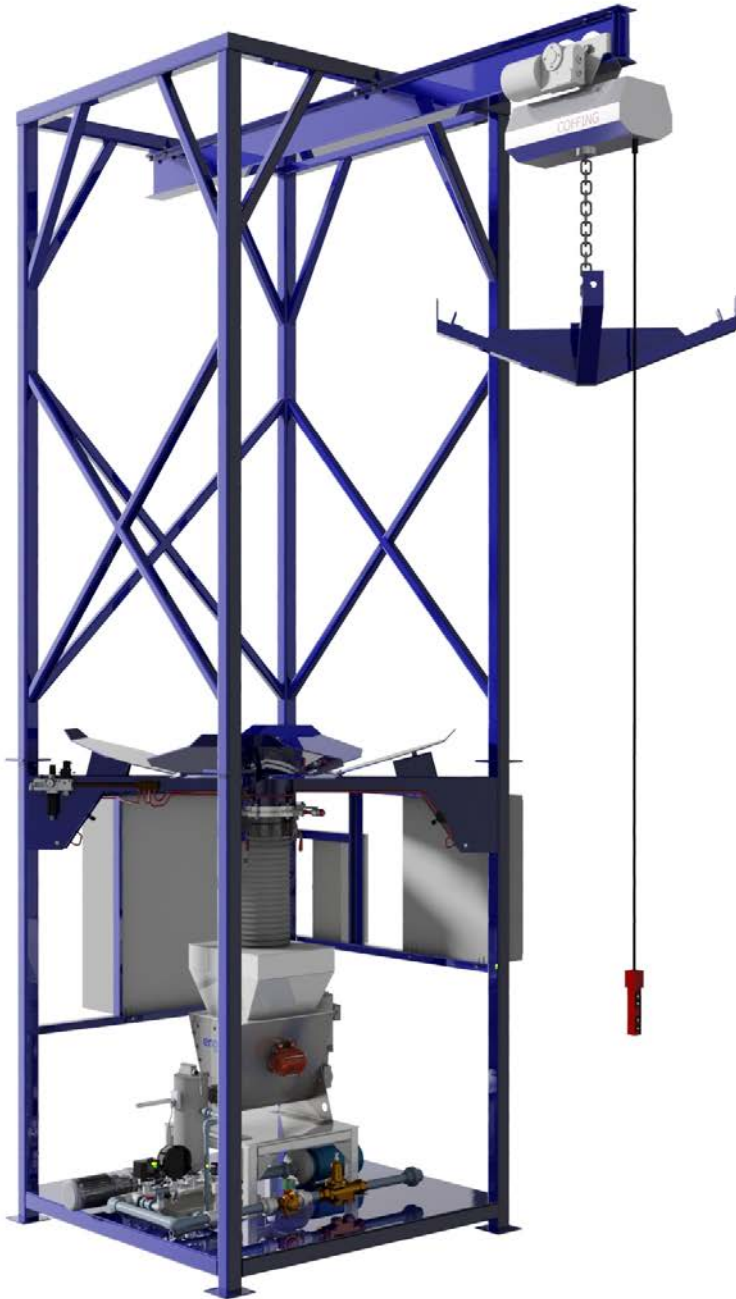


PROBATCH™ MODEL H

Optimize Your Polymer Performance



The ProBatch™ H dry polymer feed system precisely meters and mixes dry polymer with water to form a homogenous, fully activated polymer solution. The modular system design is fully assembled and factory tested. The systems include mix and hold tanks in stacked or flip/flop operating arrangement, polymer solution pumps are also available.



Contact our sales department at
sales@enpro-tech.com

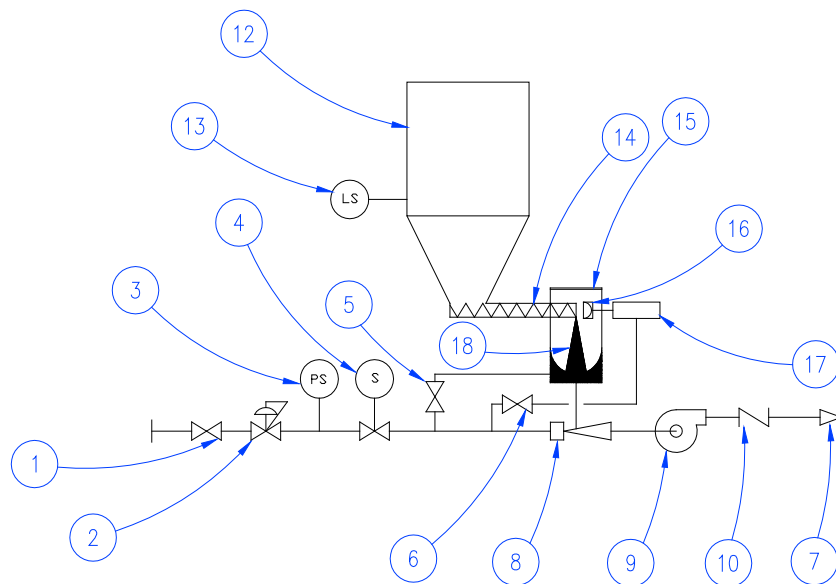
4225 NE Port Dr.
Lee's Summit, MO 64064
816-795-6333 phone
816-795-6030 fax
www.enpro-tech.com

PROBATCH™ MODEL H

Optimize Your Polymer Performance

WETTING SYSTEM

The dry polymer storage and wetting skid includes a volumetric feeder to store and precisely meter dry polymer. The polymer falls via gravity into a clear wetting interface for visual inspection of the initial wetting process. An eductor facilitates discharge of the wetted polymer slurry from the wetting interface and introduces additional dilution water. A mixing pump with open impeller provides additional mixing energy to the slurry to ensure each polymer particle is completely wetted prior to discharging to the mix tank. A hydraulically actuated cylinder isolates the volumetric feeder discharge between cycles. Major components of the wetting system are connected with quick disconnect fittings for simple access to all major components of the system. See schematic diagram below.

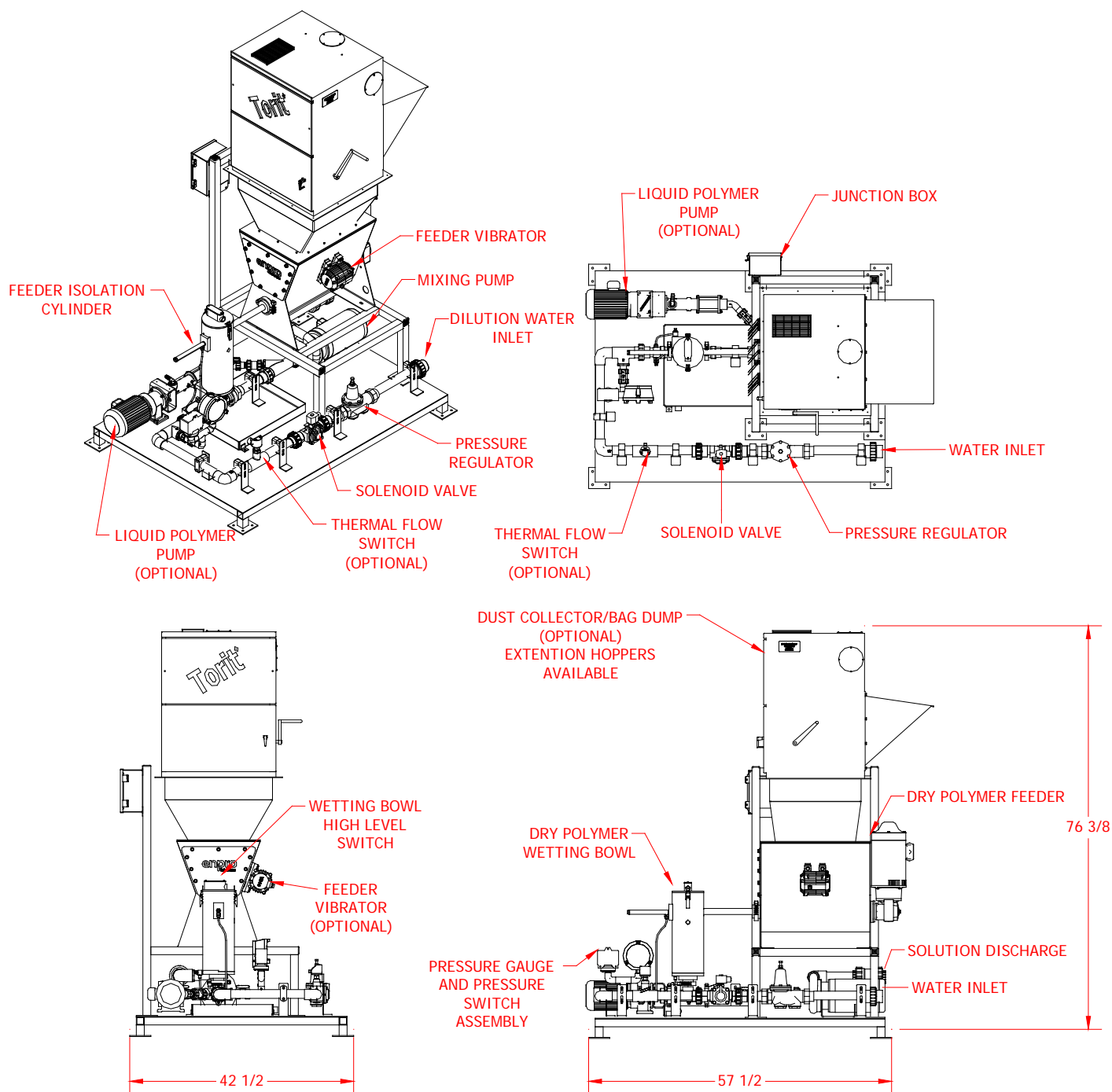


- | | |
|-------------------------------------|--|
| 1. Isolation ball valve | 10. Check valve |
| 2. Pressure reducing valve | 11. Volumetric feeder |
| 3. Pressure switch | 12. Extension hopper |
| 4. Solenoid valve | 13. Low level switch |
| 5. Control valve | 14. Volumetric feeder auger housing |
| 6. Isolation cylinder control valve | 15. Wetting Interface |
| 7. Solution Discharge | 16. Isolation valve-volumetric feeder |
| 8. Eductor elements | 17. Cylinder, isolation valve actuator |
| 9. Mixing conveyance pump | 18. Dry polymer |

PROBATCH™ MODEL H

Optimize Your Polymer Performance

WETTING SYSTEM



PROBATCH™ MODEL H

Optimize Your Polymer Performance

MIX/HOLD TANKS

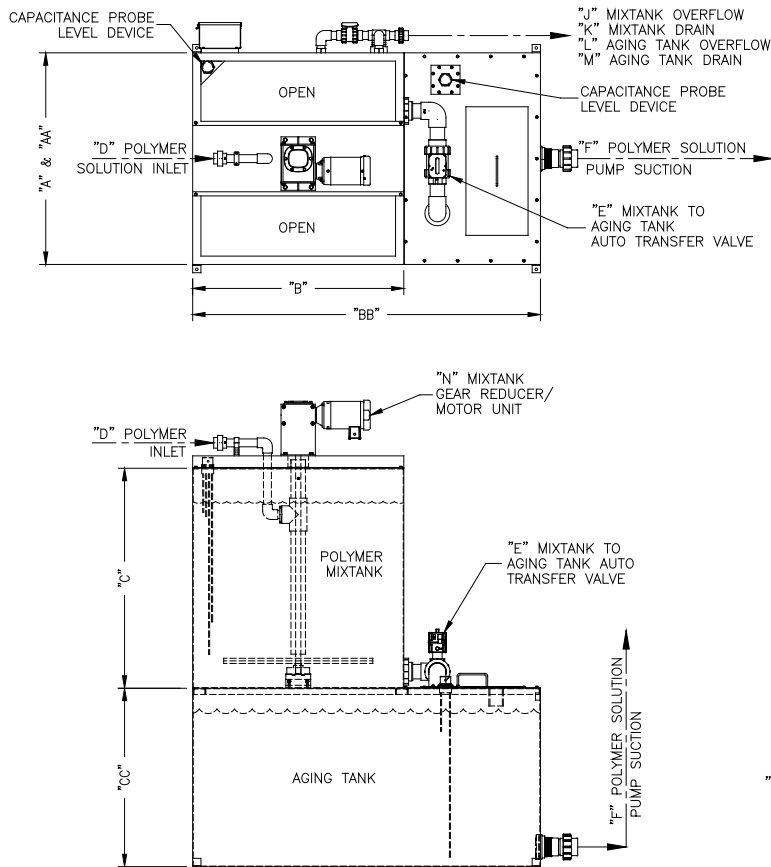


- Stacked or side-by-side mix/hold tank assemblies
- 304 stainless steel construction
- Conductivity level probes standard
- Pressure transducers for tank level display optional
- Float switch backup as standard
- Tank level sight gauge as standard
- Hollow bladed mixer technology for low energy hydration of polymer molecules (as seen in upper left)
- Standard tank connections for fill, discharge, drain and overflow
- Motor ball valve, NEMA 4X, true-union ball valve for tank fill and discharge if required
- System pre-assembled and tested prior to shipment

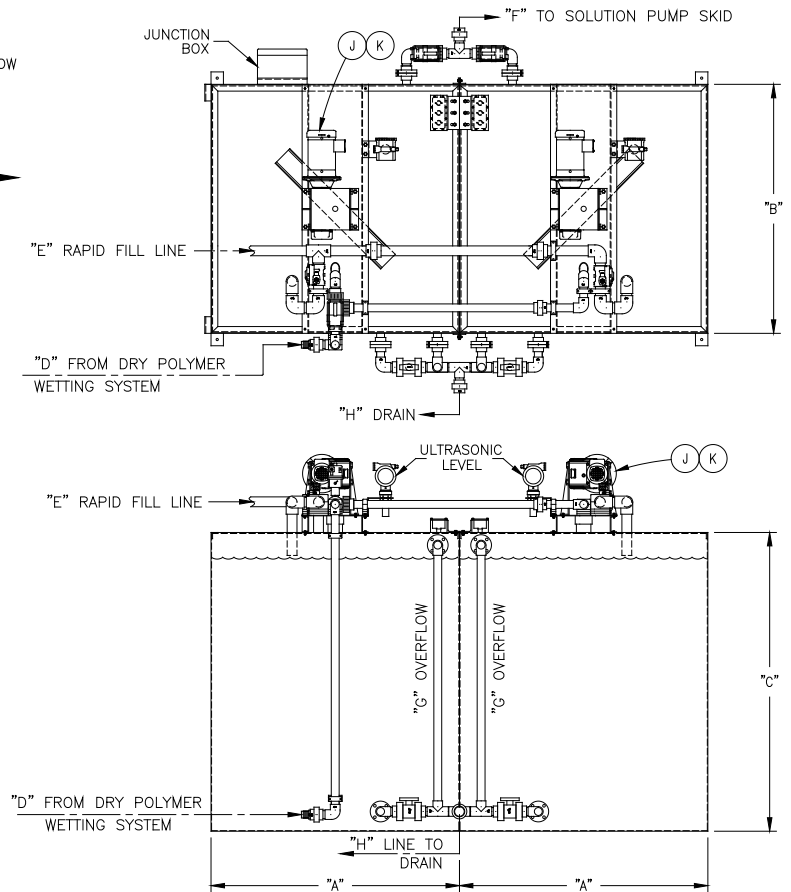
Please contact our sales department at sales@enpro-tech.com for additional information or pricing.

TANK SELECTION TABLE (1.1)

Stacked Tank Configuration



Flip-Flop Tank Configuration



MODEL	MIX TANK OPERATING CAPACITY (gallon)	AGE TANK OPERATING CAPACITY (gallon)	MAT'L OF CONST.	Over/Under Stack Tank Sizing Chart (Inches)															
				A	B	C	AA	BB	CC	D	E	F	G	H	J	K	L	M	N
																			HP / RPM
50	50	100	304 S.S.	24	24	40	24	42	32	1 1/2	2	2	8	6	2	2	2	2	1 1/2 / 115
200	200	300	304 S.S.	36	36	52	36	54	42	1 1/2	2	2	8	6	2	2	2	2	1 1/2 / 115
400	400	500	304 S.S.	48	48	57	36	66	51	1 1/2	3	3	8	6	2	2	3	2	2 / 58
800	800	1000	304 S.S.	60	60	68	60	78	61	1 1/2	3	3	8	6	2	2	3	2	2 / 58
MODEL	MIX / AGE TANK CAPACITY (gallon)	MAT'L OF CONST.	Flip-Flop Tank Sizing Chart (Inches)																
			A	B	C	D	E	F	G	H	J	K							
												HP / RPM							
1000	1000/ea	304 S.S.	60	60	73	2	2	3	2	2	30:1	3 / 58							
1500	1500/ea	304 S.S.	72	72	73	2	2	3	2	2	30:1	5 / 58							
2000	2000/ea	304 S.S.	84	84	73	2	2	4	2	2	30:1	5 / 58							

PROBATCH™ MODEL H

Optimize Your Polymer Performance

CONTROLS



- Allen Bradley PLC based controls with color touch screen for simple operation and monitoring
- Easy to navigate system screens for calibration, status, operating parameters
- NEMA 4X control panel standard
- FRP, 304 or 316 stainless steel enclosure
- Ethernet communications standard
- Optional PLC and HMI manufacturers and types available
- UL labeled control panel as standard
- Door mounted power disconnect standard
- Emergency stop pushbutton standard
- 460 VAC/ 3 phase/ 60 Hz standard. Other voltages include-230 VAC/ 1 phase/ 60 Hz, 600 VAC/ 3 phase/ 60 Hz, 380 VAC/ 3 phase/ 50 Hz
- System pre-assembled and tested prior to shipment

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PROBATCH™ MODEL H

Optimize Your Polymer Performance

POLYMER SOLUTION PUMPS



- Progressing cavity polymer solution pumps with close coupled inverter duty gear motor as standard
- Allen Bradley Powerflex 40 VFD for pump speed control as standard
- Post dilution system with clear PVC static mixer including; solenoid valve, globe valve, rotameter, check valves on water and polymer solution in various capacities available
- Skid mounted, 304 stainless steel skid
- Pre-piped, pre-wired and factory tested for flow rate and pressure
- NEMA 4X control panel standard
- FRP, 304 or 316 stainless steel enclosure
- UL Labeled control panel as standard
- Door mounted power disconnect standard
- Emergency stop pushbutton standard
- 460 VAC/ 3 phase/ 60 Hz standard. Other voltages include-230 VAC/ 1 phase/ 60 Hz, 600 VAC/ 3 phase/ 60 Hz, 380 VAC/ 3 phase/ 50 Hz

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PROBATCH H™

Optimize Your Polymer Performance



ProBatch H™ Model Number Builder

EXAMPLE:		Pro-H	5	D	1000	AB1	4	L24
SERIES								
Pro-H	ProBatch H™ Wetting System							
STORAGE HOPPER CAPACITY (include dust collector to hopper by adding "D" after number)								
2.5	2.5 CUBIC FT EXTENSION HOPPER							
5	5 CUBIC FT EXTENSION HOPPER							
10	10 CUBIC FT EXTENSION HOPPER							
35	35 CUBIC FT FLOOR SUPPORTED HOPPER							
BBH	1,000-2,000 lb. BULK BAG SUPPORT FRAME W/ HOIST							
BBF	1,000-2,000 lb. BULK BAG SUPPORT FRAME (FORKLIFT)							
DUST COLLECTION								
D	BAG LOADING STATION W/ INTEGRAL DUST COLLECTOR							
X	NO DUST COLLECTOR REQUIRED							
TANK CAPACITIES (see tank selection table 1.1)								
50	OVER/UNDER 50 GAL MIX, 100 GAL HOLD							
200	OVER/UNDER 200 GAL MIX, 300 GAL HOLD							
400	OVER/UNDER 400 GAL MIX, 500 GAL HOLD							
800	OVER/UNDER 800 GAL MIX, 1000 GAL HOLD							
1000	FLIP/FLOP 1000 GAL MIX/HOLD							
1500	FLIP/FLOP 1500 GAL MIX/HOLD							
2000	FLIP/FLOP 2000 GAL MIX/HOLD							
CONTROL SYSTEM								
AB1	ALLEN BRADLEY (MICROLOGIX)							
AB2	ALLEN BRADLEY (CONTOLOGIX)							
MC1	MODICON (M340)							
MC2	MODICON (QUANTUM)							
S	SEIMENS (SEMANTIC)							
X	NO CONTROLS							
POWER OPTIONS								
2	230VAC, 1PHASE, 60HERTZ							
3	380VAC, 3PHASE, 50HERTZ							
4	460VAC, 3PHASE, 60HERTZ							
6	600VAC, 3PHASE, 60HERTZ							
X	NO CONTROLS							
EMULSION POLYMER PUMP OPTION								
L24	24GPH PROGRESSIVE CAVITY PUMP							
L50	50GPH PROGRESSIVE CAVITY PUMP							
X	NO EMULSION POLYMER PUMP REQUIRED							