

When specifying/purchasing your Manifest Pump Station, two items will need to be selected – the station size and the pump size. The selected station size will largely depend on the desired pipe size and expansion tank volume. The selected pump size will primarily depend on the design flow and head of the system. As an example, Manifest can be configured with Station 2 – Pump 3. Once your station model and pump selections have been made, your Manifest Pump Station is ready to be factory assembled and delivered to your job site.

Stations

Data / Components	Station 3	Station 4	Station 6
Unit Dimensions (inches)	60Wx58Lx75H	60Wx58Lx78H	84Wx76Lx86H
Flow Range (gpm)	90 - 180	180 - 360	360 - 800
Pipe Size (inches)	3	4	6
Tonnage Range (TR)	30 - 60	60 - 120	120 - 266
GHX & Building Loop Connection Style	Grooved		
Water Make-Up Train Connection Size/Style (inches)	1/2 NPT		3/4 NPT
Max Working Temperature (F)	160		
Min Working Temperature (F)	15		
Max Working Pressure (PSI)	150		
BMS Protocol	BACnet MS/TP, MODBUS RTU		
Pressure Relief Valve Setpoint (PSI)	70		
Expansion Tank Volume (gallons)	25	45	115
Piping Construction Material	Cast Iron		
Flush & Purge Connection Size/Style (inches)	2 / Grooved		4 / Grooved
Air Separator	✓	✓	✓
Automatic Air Eliminator	✓	✓	✓
Suction Guide	✓	✓	✓
Strainer	✓	✓	✓
Triple Duty Valve	✓	✓	✓
Expansion Tank	✓	✓	✓
Pressure Relief Valve	✓	✓	✓
Flush & Purge Connections	✓	✓	✓
Ground Loop Bypass	✓	✓	✓
Temperature Sensors	✓	✓	✓
Armstrong Sensorless Design Envelope Pump Technology	✓	✓	✓
Pre-Programmed Pump & Bypass Controls	✓	✓	✓

Pumps

Pump	Pump 1	Pump 2	Pump 3	Pump 4	Pump 5	Pump 6	Pump 7	Pump 8
Armstrong Design Envelope Tango Pump Model	4322 0205-002.0	4322 0205-003.0	4322 0205-005.0	4322 0205-007.5	4322 0205-010.0	4322 0305-005.0	4322 0305-007.5	4322 0305-010.0
Twin Motor Size (HP for each motor)	2	3	5	7.5	10	5	7.5	10
Flow Range (GPM)	70 - 300	80 - 325	90 - 350	135 - 400	180 - 475	150 - 800	175 - 800	375 - 800
Head Range (ft)	25 - 50	25 - 65	45 - 95	75 - 130	100 - 150	20 - 65	25 - 80	25 - 95
Power	208V, 230V, 460V, 575V / 3 Phase / 60 Hz							