

## 'MPS' Series Transfer Pump Skids



### Overview

The Marlo 'MPS' Series Transfer Pump Skid is offered to complement our other water treatment equipment to offer you a more integrated system. The standard product platform is designed for general water transfer such as inlet water pressure boosting and RO water transfer from a storage tank.

The skid can be customized to fit other applications including recirculation loops, filter backwash water supply, and liquid brine transfer to water softening systems. A wide variety of equipment options are also available to best suit your project.

All pump skids are furnished completely factory skid mounted, pre-piped, pre-wired, and factory tested for minimal installation time and cost.

### Operating Parameters

- 460 VAC, 3-Phase, 60 Hz electrical power (motors)
- 120 VAC, 1-Phase, 60 Hz electrical power (controls)
- 40-50 psig Nominal discharge pressure
- 35-110 °F operating temperature

### Materials of Construction

- Pump: 304 stainless steel
- Piping: Sch 80 PVC
- Skid: Epoxy-coated carbon steel

### Pump and Motor

- Single-stage, end-suction centrifugal pumps
- TEFC motor, 3450 RPM.

### Standard Features

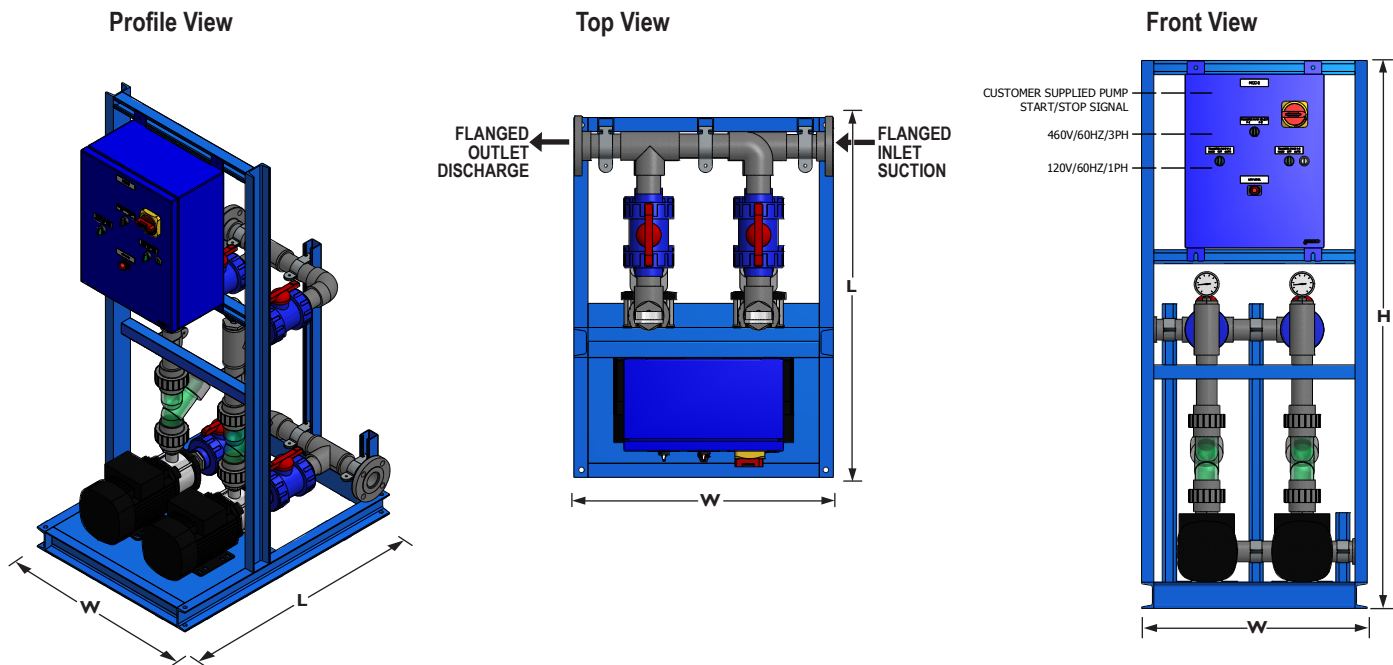
- Duplex pumps for redundancy (2 x 100%)
- Automatic on/off capability
- Pre-wired pump motor starter panel
- Fused power disconnect switch
- NEMA-4 electrical enclosure
- Pump discharge check valves & pressure gauges
- Isolation valves for each pump
- Panel mounted operator lights and switches

### Optional Equipment Available

- Variable Frequency Drives (VFD)
- 316 SS and Noryl bodied pumps
- 304/316 Stainless Steel piping
- Automatic Pump Alternator
- Multi-stage pumps for higher discharge pressures
- Pressure and flow transmitters
- UV Sterilizer and post-filter housings
- UL-508A certified panels
- Explosion proof duty pump motors
- Self-priming pump designs

## SPECIFICATIONS DUPLEX PUMP SKID

| MODEL   | FLOW RATE (GPM) | DISCHARGE PRESSURE (psig) | MOTOR (HP) | INLET (INCHES) | OUTLET (INCHES) | DIMENSIONS (LxWxH) (INCHES) | SHIPPING WEIGHT (LBS) |
|---------|-----------------|---------------------------|------------|----------------|-----------------|-----------------------------|-----------------------|
| MPS-10  | 10              | 40                        | 1          | 1-1/2          | 1               | 32x26x63                    | 490                   |
| MPS-20  | 20              | 50                        | 1.5        | 1-1/2          | 1-1/4           | 32x26x63                    | 515                   |
| MPS-35  | 35              | 50                        | 2          | 2              | 2               | 36x26x63                    | 560                   |
| MPS-50  | 50              | 50                        | 3          | 3              | 2               | 39x28x63                    | 610                   |
| MPS-100 | 100             | 50                        | 5          | 4              | 3               | 49x34x63                    | 705                   |
| MPS-150 | 150             | 50                        | 7.5        | 6              | 3               | 56x38x63                    | 1,010                 |
| MPS-200 | 200             | 50                        | 10         | 6              | 4               | 56x38x63                    | 1,100                 |



### Notes

1. Flooded suction at the skid inlet connection is required to prevent pump cavitation.
2. The installer is to take the pre-cautions to ensure the system will not be subject to a dead-heading situation (i.e. blocked discharge line) during pump operation.
3. Dimensions and shipping weights are estimate only. Actual dimensions and weights may differ dependent on options selected.
4. Higher flow rate and/or discharge pressures are available. Consult factory.