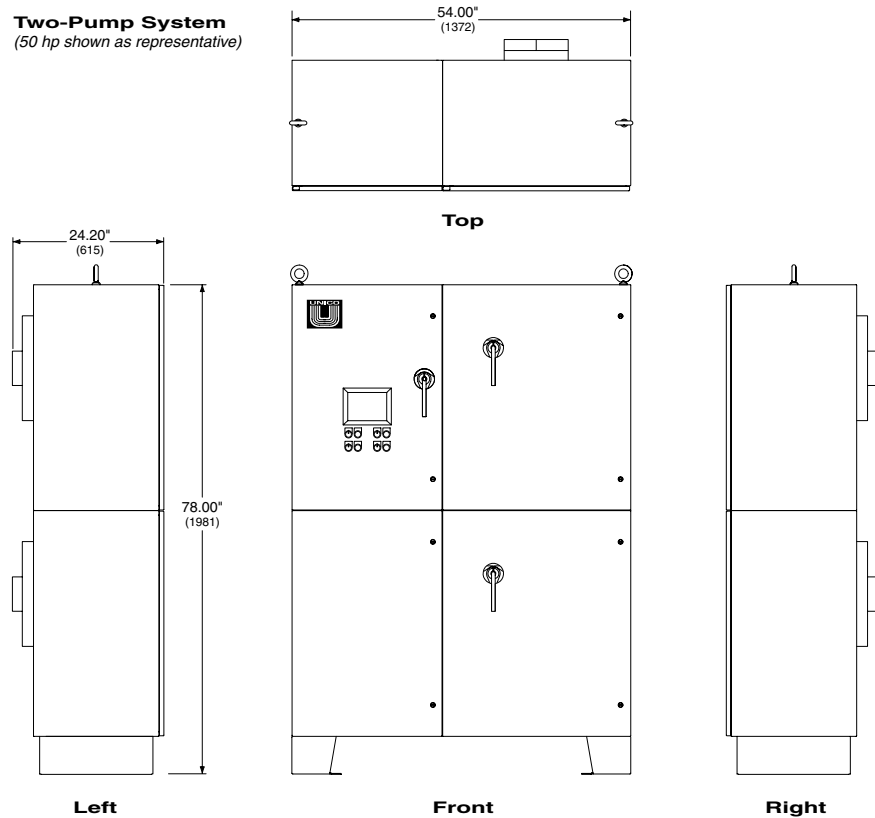


**Two-Pump System**  
(50 hp shown as representative)



**Overview**

Synthesis™ Parallel Pump systems are available as stand-alone components or turn-key packages. Various standard packages and packaging options are available. Custom integration can be provided to meet any requirements.

**Parallel Pumps**

Parallel Pump systems can operate up to three pumps in speed synchronization.

**Variable-Speed Drives**

Each pump is controlled by a flux vector AC drive from UNICO's 1100 family. Drives are available from 1 1/2 to 500 hp and are UL and C-UL listed. Input power can be 230, 460, or 575 V AC.

**Bypass Control**

Manual or fully automatic bypass control is available with packaged systems.

**Power Conditioning**

A variety of options is available for conditioning the incoming line, including AC line reactors, isolation transformers, twelve-pulse transformers, and harmonic filters.

**Environmental Options**

Systems can be packaged in NEMA 1, 4, 3R, or 12 enclosures for indoor or outdoor use. Customization is available for special environmental requirements.

**Operator Interface**

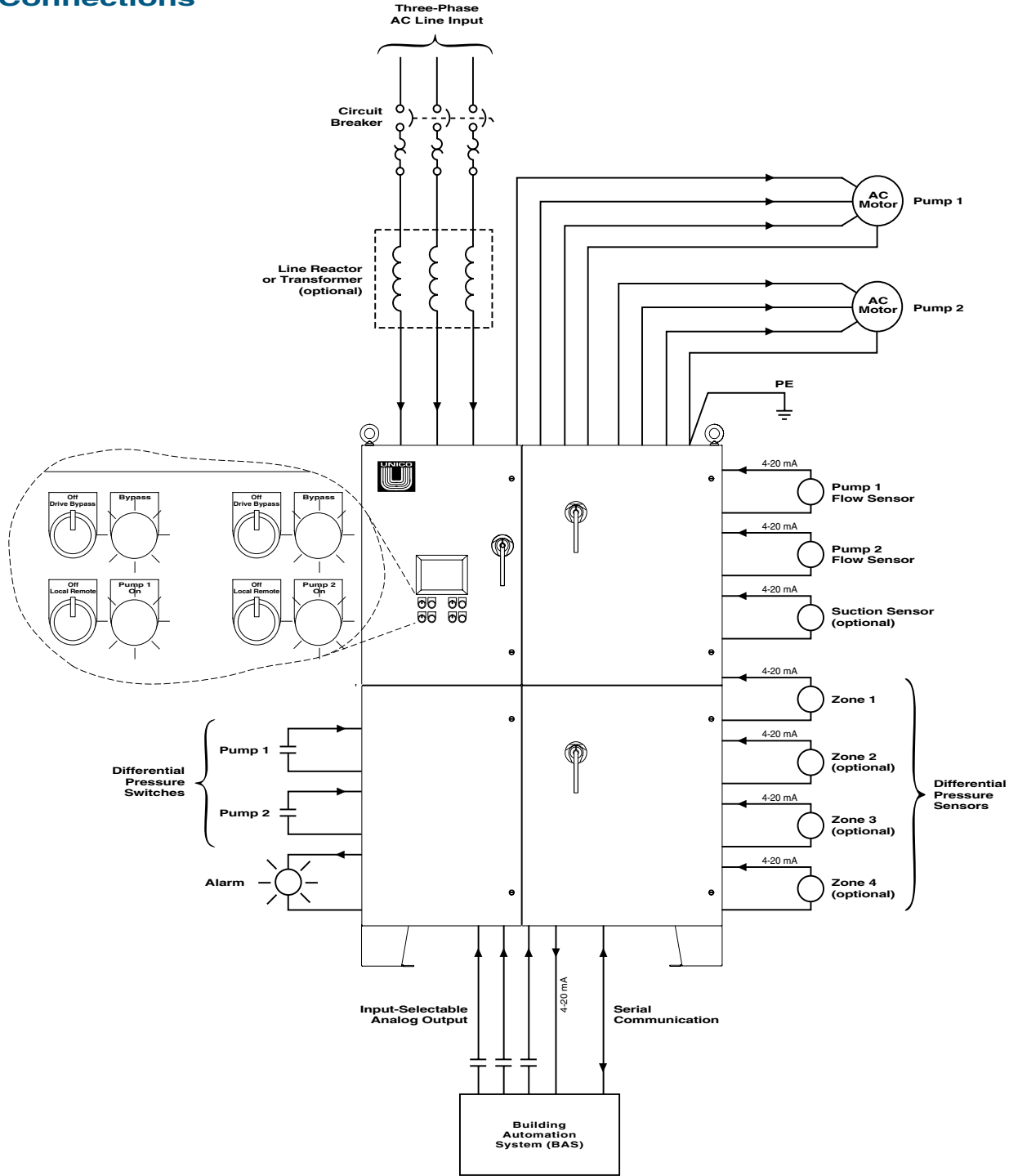
A touch-sensitive color interface simplifies start-up, operation, and troubleshooting. Users are walked through the commissioning process step by step. Once running, graphical screens portray system status, while an interactive diagnostic system provides assistance in the event of a problem.

**Services**

Comprehensive start-up assistance, service, and training are available.

**PARALLEL**

**Electrical Connections Typical Two-Pump System**



**UNICO-Worldwide**



Specifications subject to change without notice.

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