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PACIFIC DESIGN TECHNOLOGIES, INC.

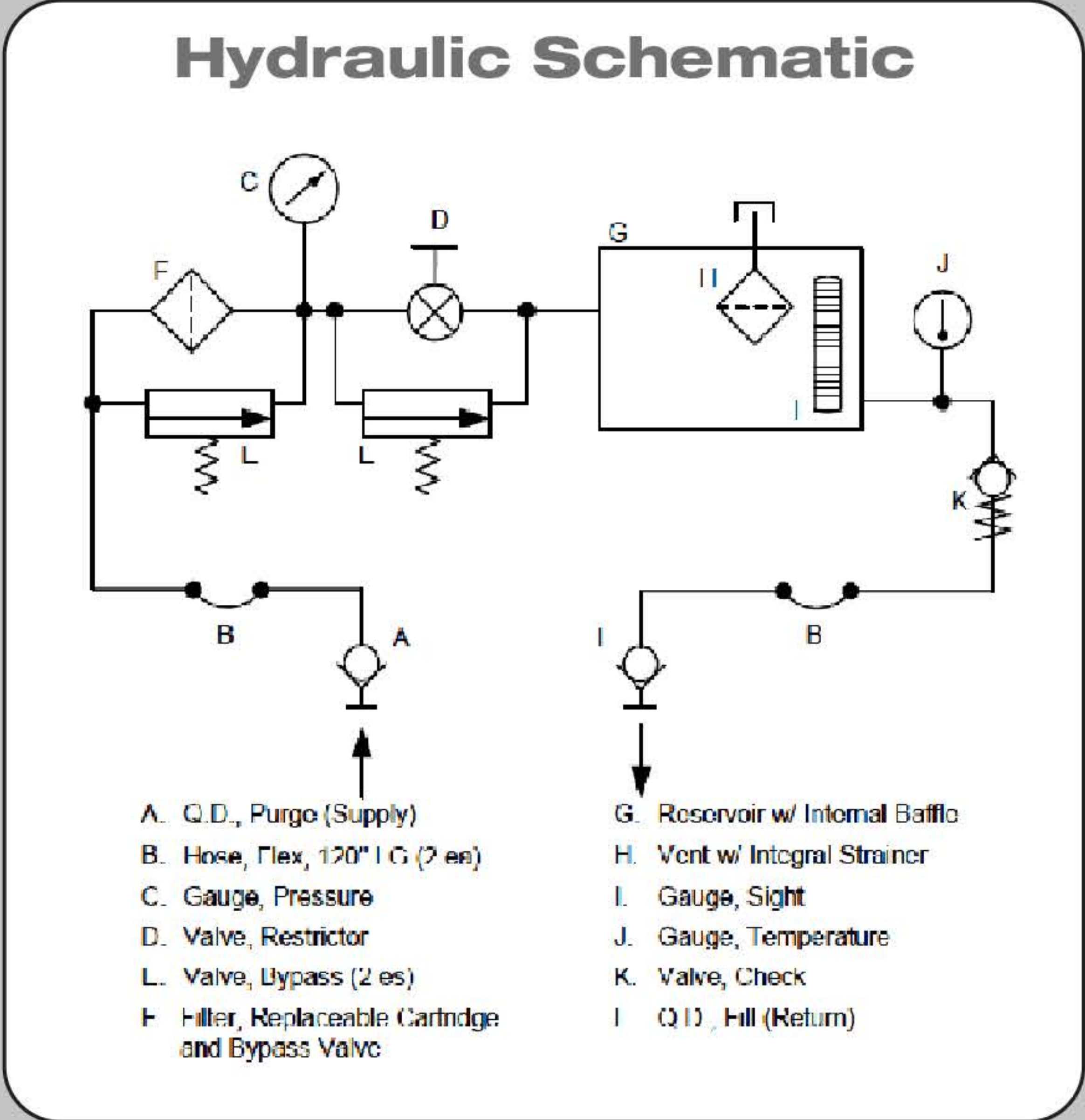
Thermal Management Solutions

Model 5496 Purge / Fill System

Datasheet



Purge/ Fill System
PDT Model 5496



Description

The PDT Model 5496 purge/fill service unit allows the Liquid Cooling System (LCS) to be filled with PAO, flush the system to remove contaminants, and allows the removal of trapped air. If necessary, this service unit is capable of pressurizing the system. Quick disconnect connectors incorporate a pressure relief mechanism to prevent damage caused by thermally-induced volumetric changes of trapped coolant when in the disconnected state.

Specification
Pump Parameters

Fluid:	Polyalphaolefin (PAO) per MIL-C-87252 (other fluids available)
Reservoir Volume:	3.0 Gallons (min)
Filtration:	10 Micron Absolute
Pressure Gauge:	0-100 psi
Temperature Gauge:	-40°F to +160°F
Dry Weight:	35 lbs. (max)

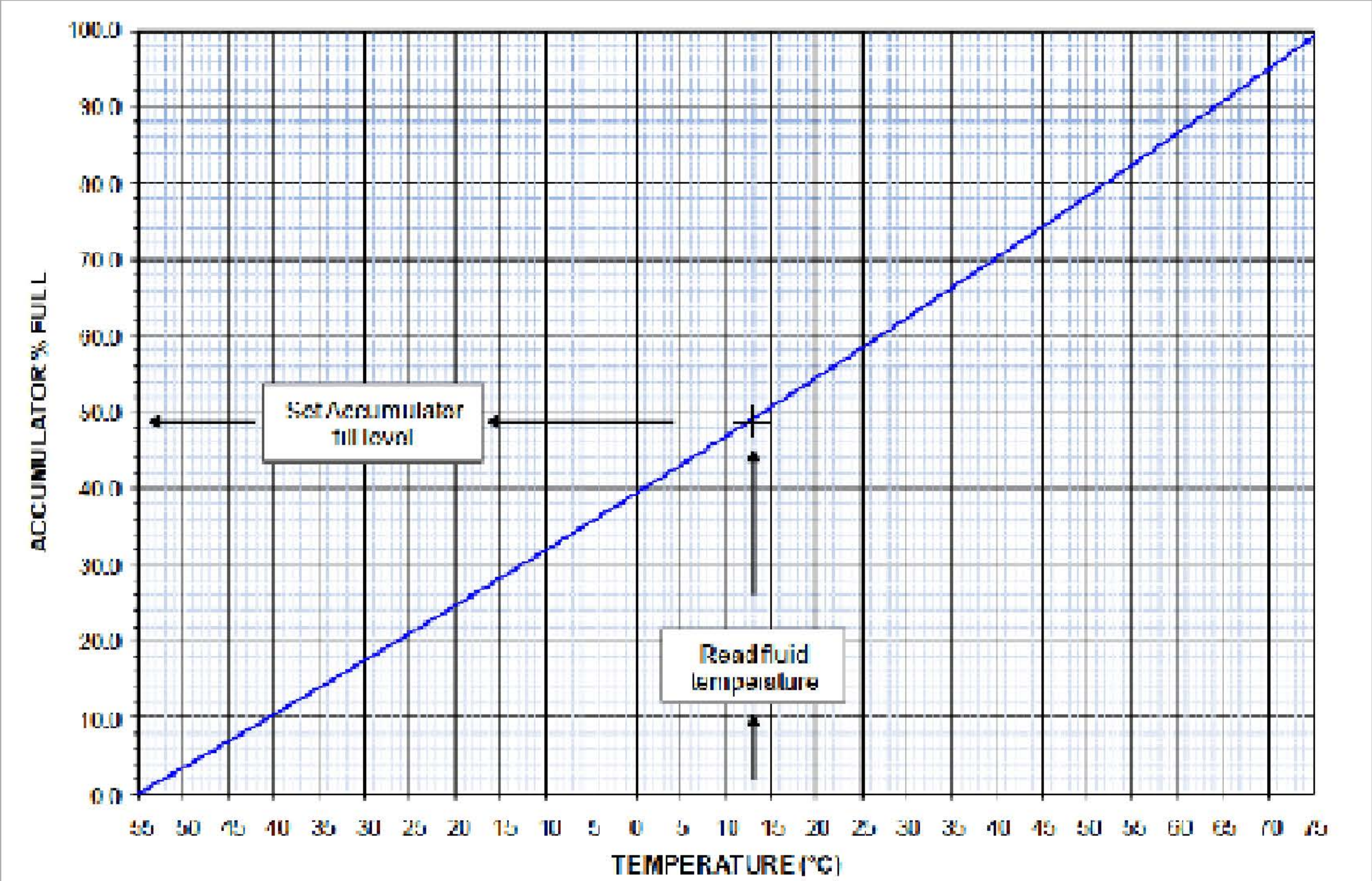
2x Flex Hose:	120" long with quick disconnects (not shown in photo)
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Charging Instructions

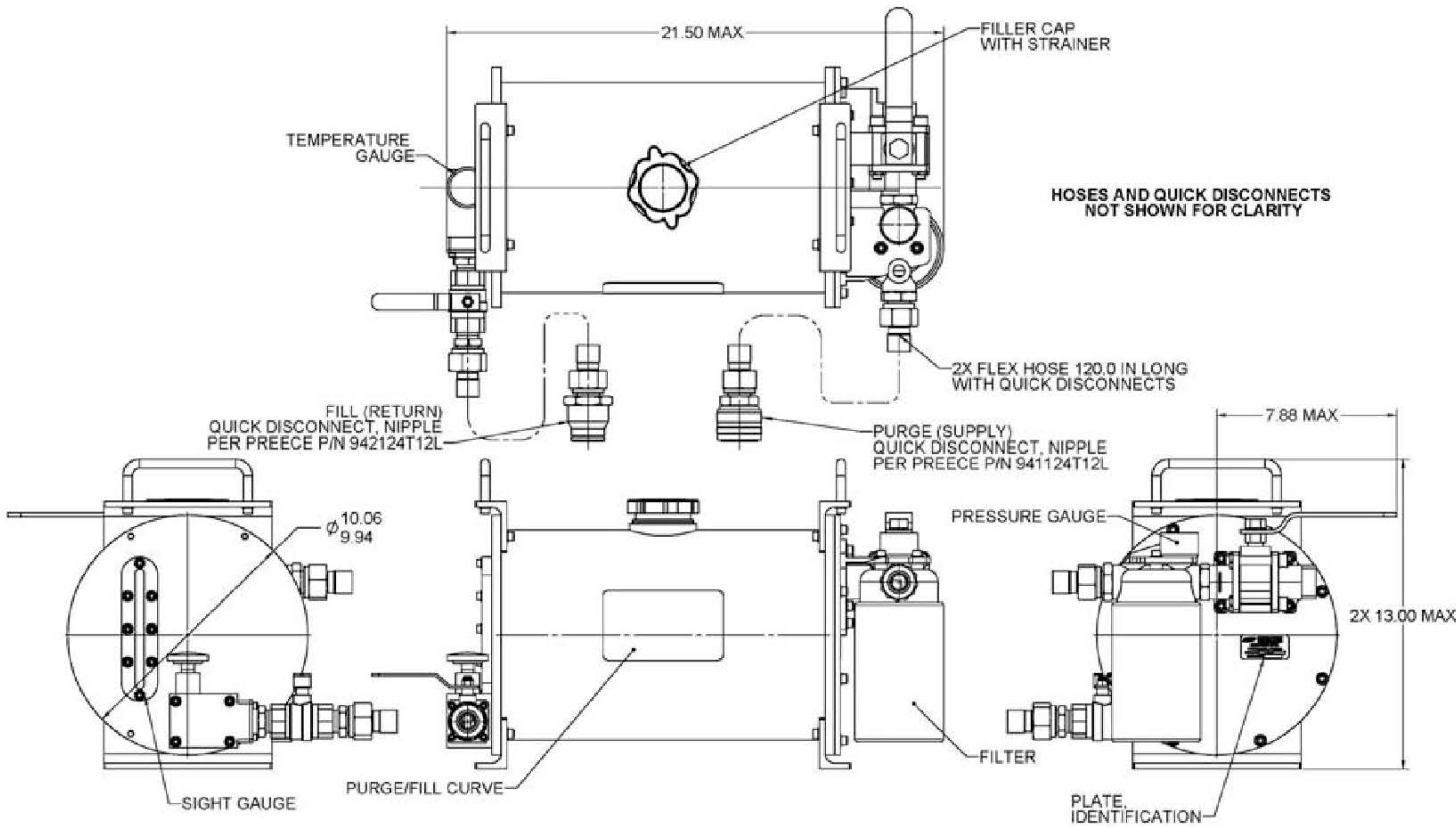
Closed-loop liquid cooling systems employ an accumulator to provide sufficient volume to allow the working fluid to expand and contract through the system's operational temperature range. To ensure the LCS is properly filled, the operator utilizes an Accumulator Fill Chart developed for that system. By measuring fluid temperature and accumulator fill level, the operator adjusts the quantity of fluid in the LCS to ensure it is properly charged before the system is put into service, or after system maintenance.

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Performance Graph



Outline
Dimensions are in inches.





PACIFIC DESIGN TECHNOLOGIES, INC.
59 South La Patera Ln., Goleta, CA 93117
Phone 805-961-9110 • Fax 805-961-9120
Email info.pd-tech@ametek.com
www.pd-tech.com

Our people are part of our product.