COMPONENT LIST

HYDRAULIC CART FOR COUPP

9/18/2007

Type	Number	Description	Size	Manufacturer	Model	Rating	Range	Fluid
C	1	Diaphragm Cylinder, 5.5" bore x 5.24" stroke	A=24 in^2	Belloform	24 F SM			Air
C	2	Hydraulic Cylinder, 5" dia.		Schrader Bellows	PL-2 series, PEF126131	950 psi		Glycol
C	3	Hydraulic Cylinder, 2.5" dia.	A=4.9 in^2	Schrader Bellows	PL-2 series, PEC1161315 4.0	1400 psi		Glycol
EV	2	Solenoid valve, 3 way						Air
F	3	Filter with automatic condensate drain		SMC	AF20-N02-CZ			Air
MV	1	Shutoff hand valve, part of regulator body		Wilkerson	n/a			Air
MV	3	Metering valve on air discharge						
MV	4	Isolation ball valve	1/4" NPT	Worcester	1/4-4416, R2C, WP300	300 psi		Air
MV	5	Drain valve						
MV	6	Drain valve		Apollo	70-801-01	500 WOG		Air
PI	1	Pressure indicator, 3 gal. air tank		Wilkerson	n/a		0-160 psig	Air
PI	3	Pressure indicator house air input					0-300 psig	Air
PI	4	Pressure indicator boosted compressor output					0-300 psig	Air
PRV	1	Pressure reducing valve, 3 gal. air tank		Wilkerson				Air
PS	2	Pressure switch on hydraulic output, adjustable		United Electric controls	#10B12, 30-600 psig	3000 psi proof	30-600 psi	Glycol
PSV	1	Pressure relief device for 3 gal. air tank	1/2"NPT	CDI STL MO	SF50	106 scfm	50 psig S.P.	Air
PSV	2	Pressure relief device, hydraulic output		Aquatrol Inc.	ADJ-201-400	31 gpm	300 psig S.P.	Glycol
PSV	3	Pressure relief device, 1.6 gal. booster tank	1/4" NPT	?	?	132 scfm	300 psig S.P.	Air
PSV	4							
PT	200	Pressure transmitter, hydraulic output pressure		Rosemount	3051S1CGA2E12A1AB4M5		0-2000 psig	Glycol
PT	201	Pressure transmitter, 3 gal. air tank		Keyence				Air
ZSL	1	Position limit switch LOW for cylinder C-2						
ZSH	1	Position limit switch HIGH for cylinder C-2						

LAB 3

LAB 8 NO AIR BOOSTER

MAKE & APPLY VALVE COMPONENT TAGS.

HYDRAULIC CART IN CLEANROOM B AT LAB 3, 7646

40 PPD COUPP — EFFORT CODE

R. Rucinski, 9/18/07
Originator C. Lindenmeyer