PUMP, VARIABLE DELIVERY
PVG-180-A1/-A2
"P-1NN/F" CONTROL

INSTALLATION DRAWING
Single Pressure Compensator Control w/Load Sense

NOTES:
1. PUMPS DESIGNED FOR ONE-WAY SERVICE AND ARE DIMENSIONED AS SHOWN.
2. THESE UNITS ARE DESIGNED TO RUN CASE FULL OF FLUID AT ALL TIMES. FILL CASE BEFORE STARTING AND CONNECT DRAIN LINES ACCORDINGLY.
3. NUMERICAL DIMENSIONS GIVEN IN INCHES/MM.
4. NET WEIGHT- 200 LBS [91 KG] FOR THRU SHAFT VERSION.

HYDRAULIC CIRCUIT

OPTIONAL MAXIMUM VOLUME STOP
.250" [6.3 mm] INTERNAL NUT
1 TURN CW DECREASES DELIVERY 1%
RANGE: 1000 TO 0%
FACTORY SET TO MAXIMUM VOLUME UNLESS OTHERWISE SPECIFIED.

PURGE PORT
#4 SAE STR THD PORT
.438-20UNF-2B THD.
(PLUGGED)

LIFTING HOLE
.375-16UNC-2B

REMOTE PORT "OPA"
#4 SAE STR THD PORT
.438-20UNF-2B THD.
(PLUGGED)

LOAD SENSING PORT "LS"
CONNECT DOWNSTREAM OF CONTROL ORIFICE
#6 SAE STR THD PORT
.562-18UNS-2B THD

LOAD SENSE ADJUSTMENT
.188" [4.8 mm] INTERNAL NUT
1 TURN CW INCREASES PRESSURE DIFFERENTIAL 40 PSI RANGE: 235 TO 750 PSI FACTORY SET AT 250 ± 25 PSI UNLESS OTHERWISE SPECIFIED.

PRESSURE COMPENSATOR ADJUSTMENT
.188" [4.8 mm] INTERNAL NUT
1 TURN CW INCREASES PRESSURE SETTING 1000 PSI RANGE: 300 TO 5000 PSI FACTORY SET AT MINIMUM UNLESS OTHERWISE SPECIFIED.

520241-304 FOR BASIC PUMP DIMENSIONS
SII PLANOGRAPH: DS-48376

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