OPTIONAL VALVE PACKAGE (VPM)

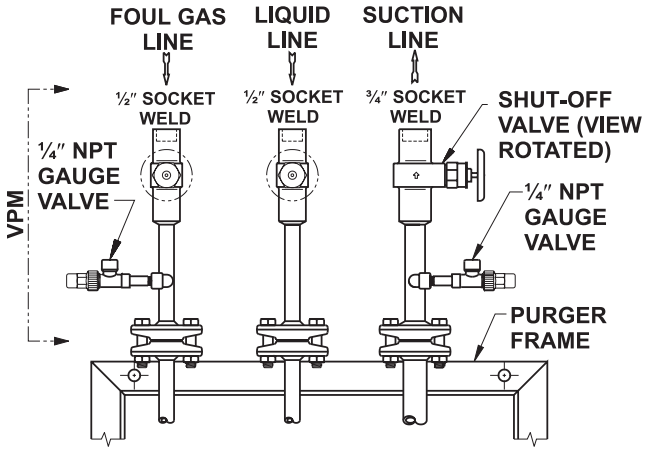

Figure 12.

DEFINITIONS

Noncondensibles: **Mostly air, this gas causes higher than necessary head pressure. Typically air enters a refrigeration system through vacuum leaks, break down of oil and refrigerant, and during service repairs.**

"Foul gas": **A mixture of noncondensibles and refrigerant gas.**

P-trap: **A piping arrangement, typically in condenser drain lines, to prevent passage of gas while enabling liquid to proceed.**

High-pressure liquid: **Refrigerant liquid source from condenser or receiver.**

Purge gas: **The noncondensible result of the separation of refrigerant gas from the "foul gas" by the purger.**

Purge point: **Represents a location on the refrigeration system from which "foul gas" is removed.**

Enabled purge points: **Purge points connected to purger and selected by the purge point enable switches, see page 7.**

Active purge point: **Purge point from which the purger is currently removing "foul gas".**

Remote purge point solenoid valve: **A solenoid valve controlled by the purger located at a purge point.**

Water bubbler: **A system by which the purge gas is cleaned of residual ammonia.**

Installation Category (overvoltage category) II: **Product withstands impulse of 2500 Volts according to standardized impulse voltage levels per IEC 664.**

SYMBOLS



EARTH (GROUND) terminal for protective conductor.



CAUTION, Risk of electrical shock. Easily touched higher temperature parts.



CAUTION

CAUTION

Hansen purgers are only for refrigeration systems and must not be used in a manner not specified herein. These instructions and related safety precautions must be read completely and understood before selecting, using, or servicing these purgers. Only knowledgeable, trained refrigeration technicians should install, operate, or service these purgers. Purger should be disconnected from the power supply before servicing. Stated temperature and pressure limits should not be exceeded. Purger components should not be removed from the purger unless the system has been evacuated to zero pressure. See also the Safety Precautions in current the List Price Bulletin and the Safety Precautions Sheet supplied with the product. Escaping refrigerant may cause personal injury, particularly to the eyes and lungs.

PARTS LIST

ELECTRICAL

Control board 20-1836
Shield for above 20-2271
Ground wire for above 20-2270
Power board 20-1845
3A (amp) fuse (5mm x 20mm) Type F, for Power board 20-1698
Cable, control board 20-1837
Pressure transducer 20-1857
Temperature sensor 67-0052
High side level sensor 77-0534
Drainer and low side level sensor 77-0535
Solenoid coil kit, 230V for DIN plug 70-1055
Solenoid coil kit, 115V for DIN plug 70-1054
DIN plug connector with gasket 70-0316

MECHANICAL

Solenoid tube/plunger kit 70-1059
Water solenoid valve (D), less coil ..... HS2B(10)
APM bubbler 20-1959
Strainer/orifice screen assembly kit includes strainer/orifice screen assembly and necessary O-rings 20-2177
Water flow controller 20-1985
Removable seat/orifice kits
For solenoid valve (B) or (C) 70-1068
For solenoid valve (A) 70-1069
80 psid check valve 20-1949
Foul gas/liquid line strainer kits include strainer basket and O-ring 78-1010

WARRANTY

Hansen electrical and electronic parts are guaranteed against defective materials and workmanship for 90 days F.O.B. our plant. All other components are guaranteed for one year F.O.B. our plant. No consequential damages or field labor is included.

HANSEN TECHNOLOGIES CORPORATION
6827 High Grove Boulevard
Burr Ridge, Illinois 60521 USA
Telephone: 630-325-1565
Toll-free: 800-426-7368
FAX: 630-325-1572
E-mail: info@hantech.com
Web site: www.hantech.com

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