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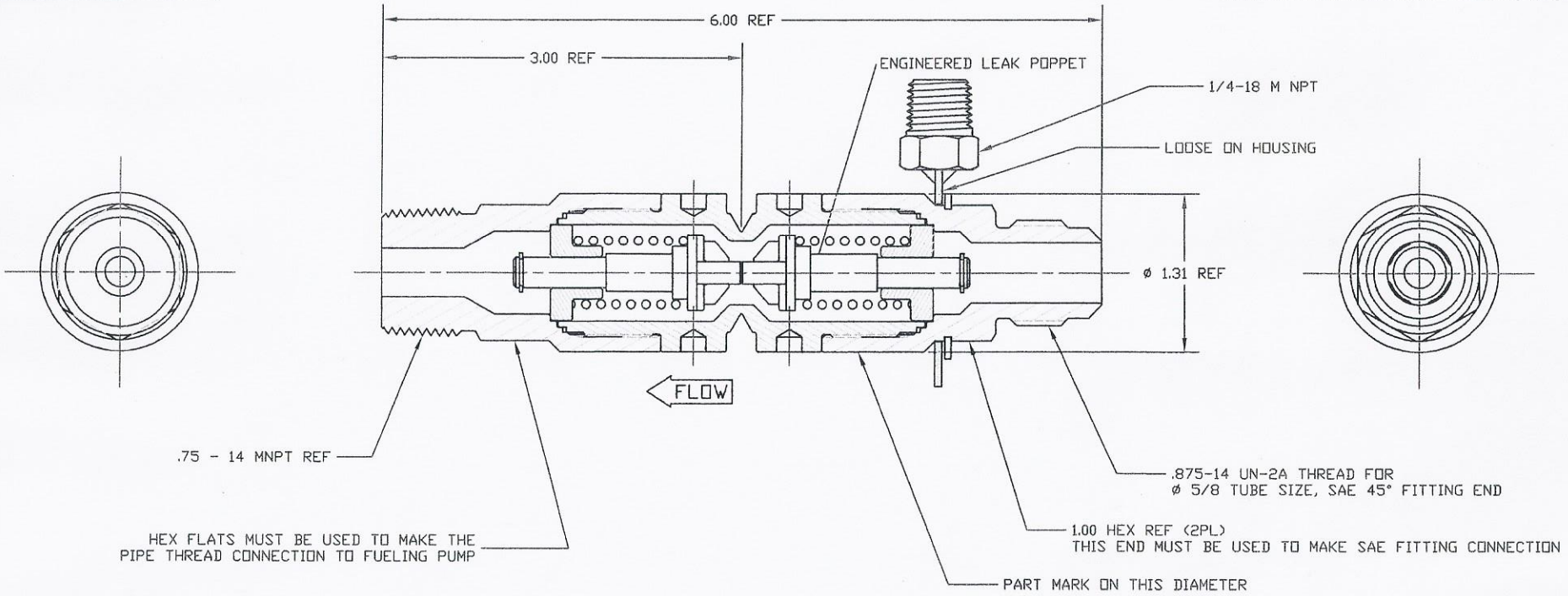
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL
A	ADD SENSOR PLUG	10-03-13	JD
B	REMOVED JIC CALLOUT ON SAE 45° FITTING	06-26-14	GF



IDENTIFIED POPPET DESIGNED TO LEAK AT BREAKAWAY, PREVENTS OVER PRESSURE DUE TO LIQUID - GAS PHASE CHANGE

PERFORMANCE SPECIFICATIONS:
- MEDIA: LNG FUELING SERVICE OR INERT GAS & LIQUIDS @ -320° TO +140° F SERVICE TEMP.
- PRESSURE RATING: 300 PSIG FUELING, 550 PSIG MAX STATIC W.P.; BURST: 1500 PSIG
- RATED FLOW: TBD
- WEIGHT: TBD LBS AS SHOWN
- AUTOMATIC MEDIA FLOW SHUT-OFF AT BREAKAWAY
- MATERIALS, WETTED PARTS: BRASS, CRES, KEL-F, AND TFE
- BREAKAWAY LOAD: LEFT END FIXED AND SIDE LOAD AT FITTING END OF 225 - 275 LBS APPLIED AT RIGHT ANGLE TO AXIS, AT -0- INTERNAL PRESSURE.
- RADIOGRAPHY: N/A
- IMPACT TEST: EXEMPT PER 323.2.2 & 323.2.3 IN ACCORDANCE WITH UNF-65
- PNEUMATIC TEST: 250 PSIG DRY NITROGEN @ 70 °F

GENERAL NOTES:
1. ALL COMPONENTS CLEANED PER CGA G-4.1 AND COMPLETED ASSEMBLY SHALL BE PACKAGED IN A SEALED POLY BAG WITH IDENTIFICATION PER WO REQM'TS
2. USE HEX ADJACENT TO THREADS FOR TIGHTENING OR LOOSENING. DAMAGE WILL RESULT IF TORQUE OR SIDE LOAD IS APPLIED INCORRECTLY.
3. THIS UNIT IS NON-FIELD SERVICEABLE
4. PERMANENTLY MARK ON INDICATED DIAMETER:
   MACRO PART NUMBER, REVISION, AND ASSEMBLY DATE CODE
   OPERATING PRESSURE: 300 PSIG/20.7 BAR

REFERENCE ONLY

-2	-1	BSC	FSCM NO.	PART NUMBER	PART DESCRIPTION	MATERIAL / FINISH SPECIFICATION	ITEM
QUANTITY REQ'D				PARTS LIST			

NEXT ASSY PART NO.	QUAN

DRILLED HOLE TOL.
.013 TO .125 = +.004 -.001
.125 TO .250 = +.005 -.001
.250 TO .500 = +.006 -.001
.500 TO .750 = +.008 -.001
.750 TO 1.00 = +.010 -.001
1.00 TO 1.50 = +.012 -.001

* UNLESS OTHERWISE SPECIFIED *
ALL DIMENSIONS ARE IN INCHES AND ARE TO BE MET BEFORE PLATING
TOLERANCES ARE:
DECIMALS: .XX = ± .030 .XXX = ± .010
ANGULAR: ± .5°
BREAK SHARP EDGES .005-.010 & REMOVE BURRS
MACHINED FILLETS TO BE .010-.030 RADIUS
CONC. = .005 TIR, SQUARENESS = .005 PER INCH
GENERAL FINISH TO BE 100 RMS PER ASA B46.1

MATERIAL / SPEC: NOTED
HEAT TREAT / SPEC: NONE
FINISH / SPEC: NONE

CONTRACT NO.
CUSTOMER SPEC
CUSTOMER
DESIGN ACTIVITY — DATE
CHECKED BY — DATE
ENGR — DATE
DRAWN BY: JD — DATE: 04-08-13

Macro Technologies LLC
12530 - 135th Ave N.E. * Kirkland, WA * 98034

TITLE: LNG BREAKAWAY, VENT

SIZE	CAGE CODE	DRAWING NO.	REV
C	62529	S-14370	B

SCALE: NONE — ADL LEVEL — SHEET 1 OF 1