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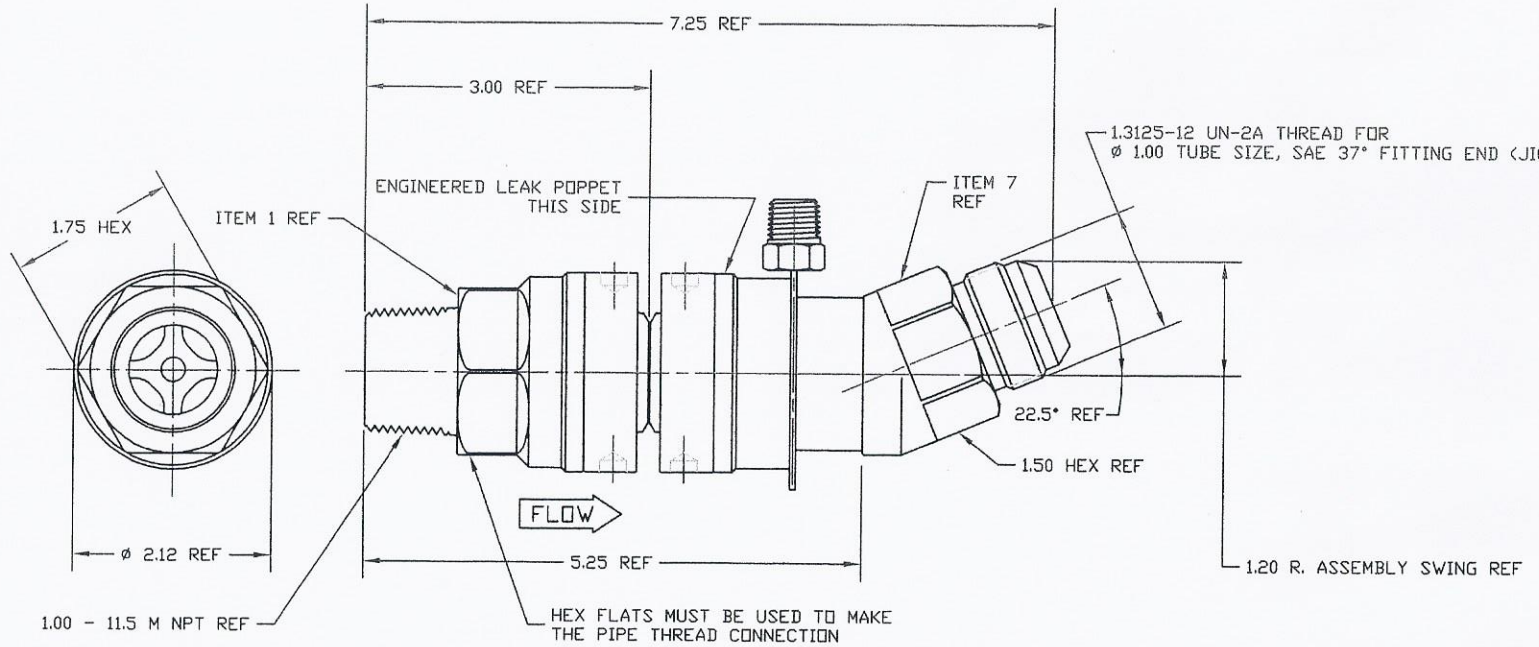
| REVISIONS | | | |
|---|---|---|---|
| LTR | DESCRIPTION | DATE | APPROVAL |
| A | REVISED AND REDRAWN PER DCR 2492 | 02-21-14 | GF |




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: 50 GPM (LNG)
WEIGHT: TBD LBS AS SHOWN
AUTOMATIC MEDIA FLOW SHUT-OFF AT BREAKAWAY
MATERIALS, WETTED PARTS: BRASS, CRES & UHMW
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.
PNEUMATIC TEST: 250 PSIG DRY NITROGEN @ 70 °F

REFERENCE
ONLY

ASSEMBLY INSTRUCTIONS:

1. ALL COMPONENTS CLEANED PER CGA G-4.1 AND PACKAGED IN A SEALED POLY BAG
2. THIS UNIT IS NON-FIELD SERVICABLE
3. PERMANENTLY MARKED ON 2IN DIAMETER OF ITEM 7: MACRO PART NUMBER, REVISION, AND ASSEMBLY DATE CODE OPERATING PRESSURE: 300 PSIG/20.7 BAR
4. FLOW ARROW ON FLATS OF ITEM 1, 2 PLACES, OPPOSITE SIDES. FLOW IS LEFT TO RIGHT.
5. ORDER PART NUMBER: 13740-4
   SEE S-14390-4 FOR VERSION WITHOUT SENSOR PLUG

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

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

| NEXT ASSY PART NO. | QUAN |
|---|---|
| | |
| | |
| | |

* 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: GF — DATE: 06-04-13

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

TITLE: LNG BREAKAWAY, 50 GPM FLOW
SHORT, UNIFIED SCR THD, SENSOR PLUG

| SIZE | CAGE CODE | DRAWING NO. | REV |
|---|---|---|---|
| C | 62529 | S-13740-4 | A |

SCALE: NONE — AGL LEVEL — SHEET 1 OF 1