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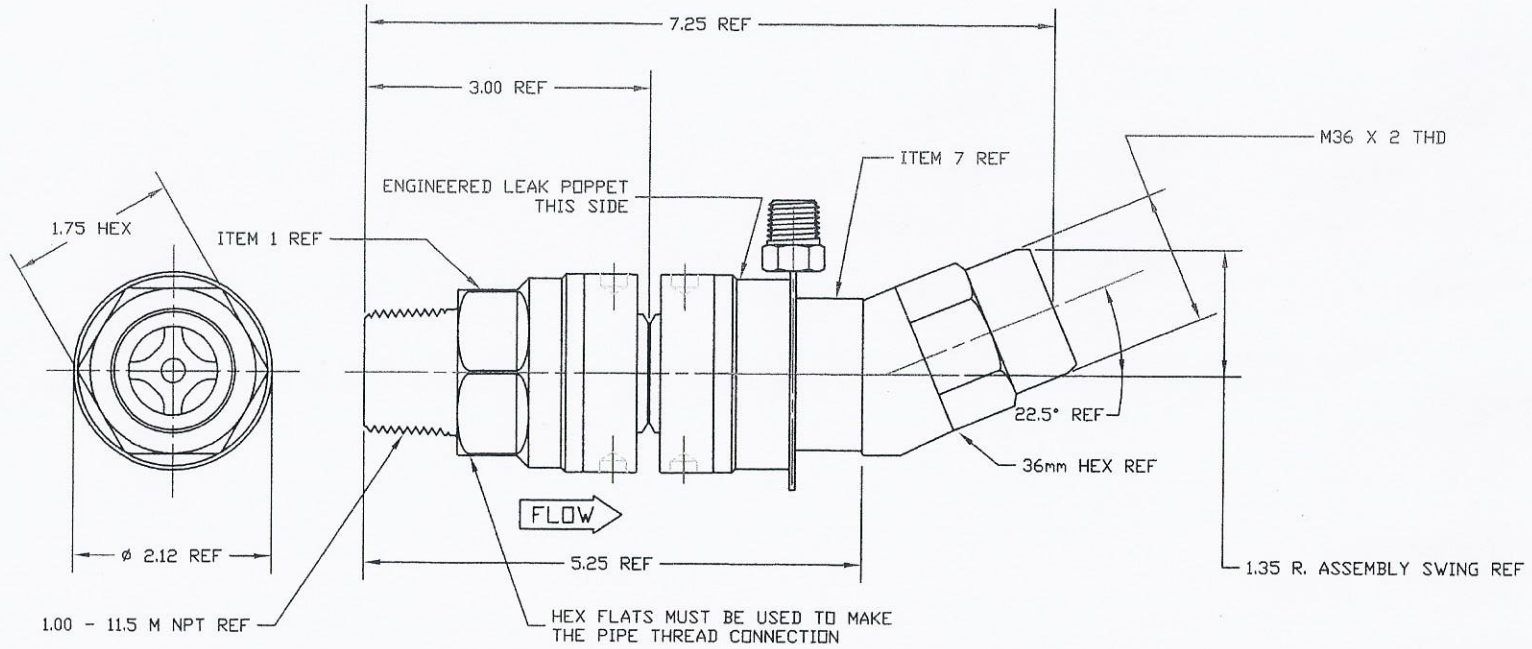
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL
A	REVISED AND REDRAWN PER DCR 2493	02-20-14	GF



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

ASSEMBLY INSTRUCTIONS:
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. THIS UNIT IS NON-FIELD SERVICEABLE
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. STAMP FLOW ARROW ON FLATS OF ITEM 1, 2 PLACES, OPPOSITE SIDES.
FLOW IS LEFT TO RIGHT.
5. ORDER PART NUMBER: 13740-8
SEE S-14390-8 FOR VERSION WITHOUT SENSOR PLUG

REFERENCE ONLY

-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
.126 TO .250 = +.005 -.001
.251 TO .500 = +.006 -.001
.501 TO .750 = +.008 -.001
.751 TO 1.00 = +.010 -.001
1.01 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-.020 RADIUS
CONC. = .005 TIR; SQUAREDNESS = .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
ERGR — DATE
DRAWN BY: JD — DATE: 06-04-13

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

TITLE
LNG BREAKAWAY, 50 GPM FLOW
METRIC OUTLET, SHORT, SENSOR PLUG

SIZE	CAGE CODE	DRAWING NO.	REV
C	62529	S-13740-8	A

SCALE: NONE — AGL LEVEL — SHEET 1 OF 1