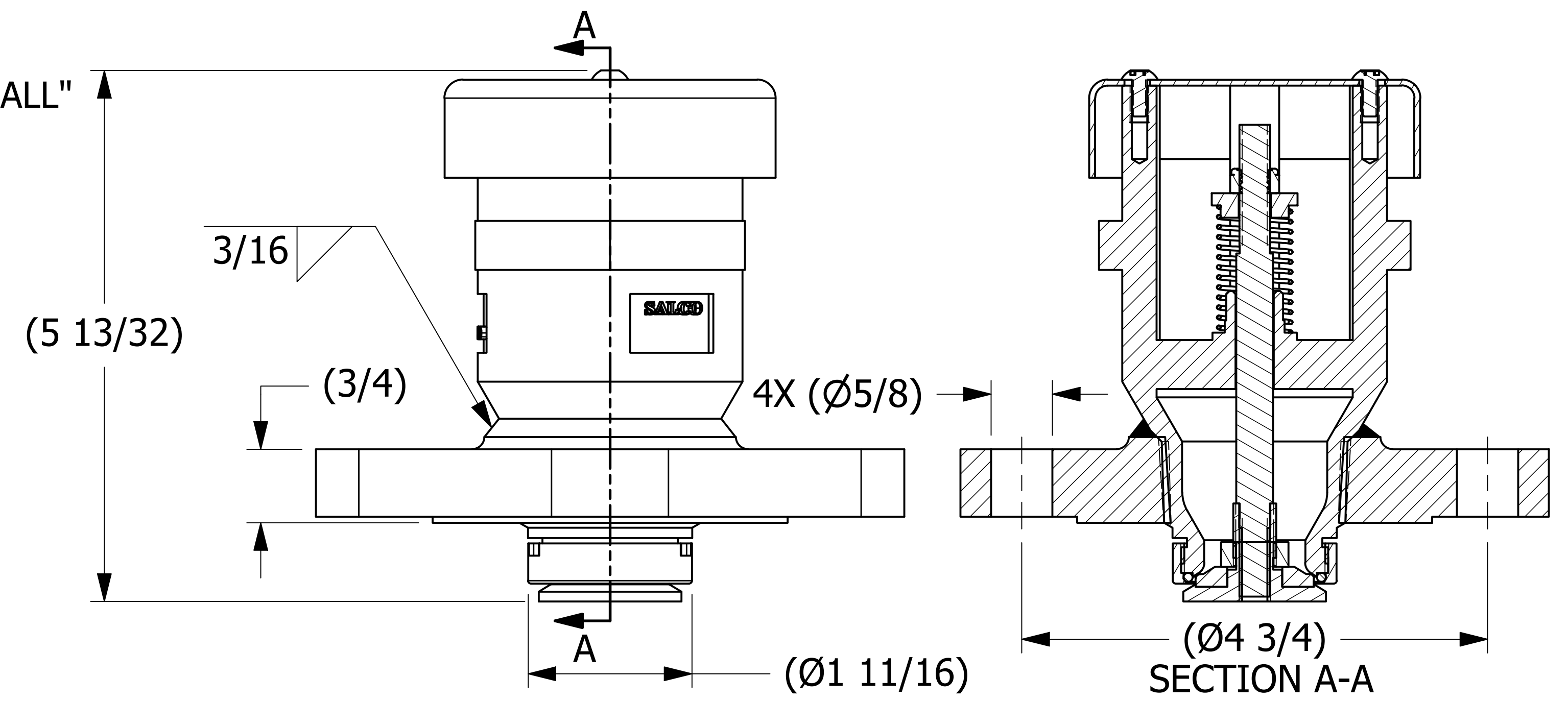
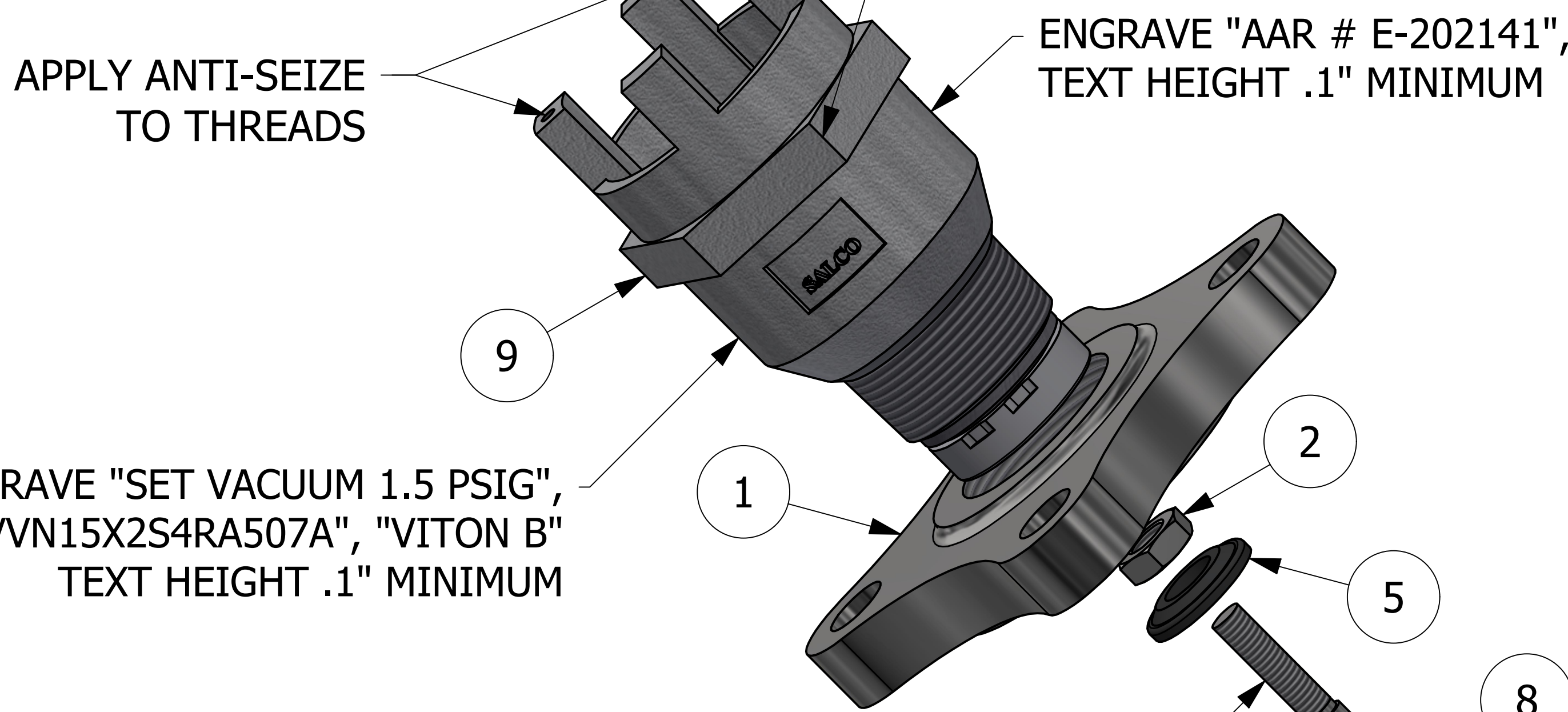
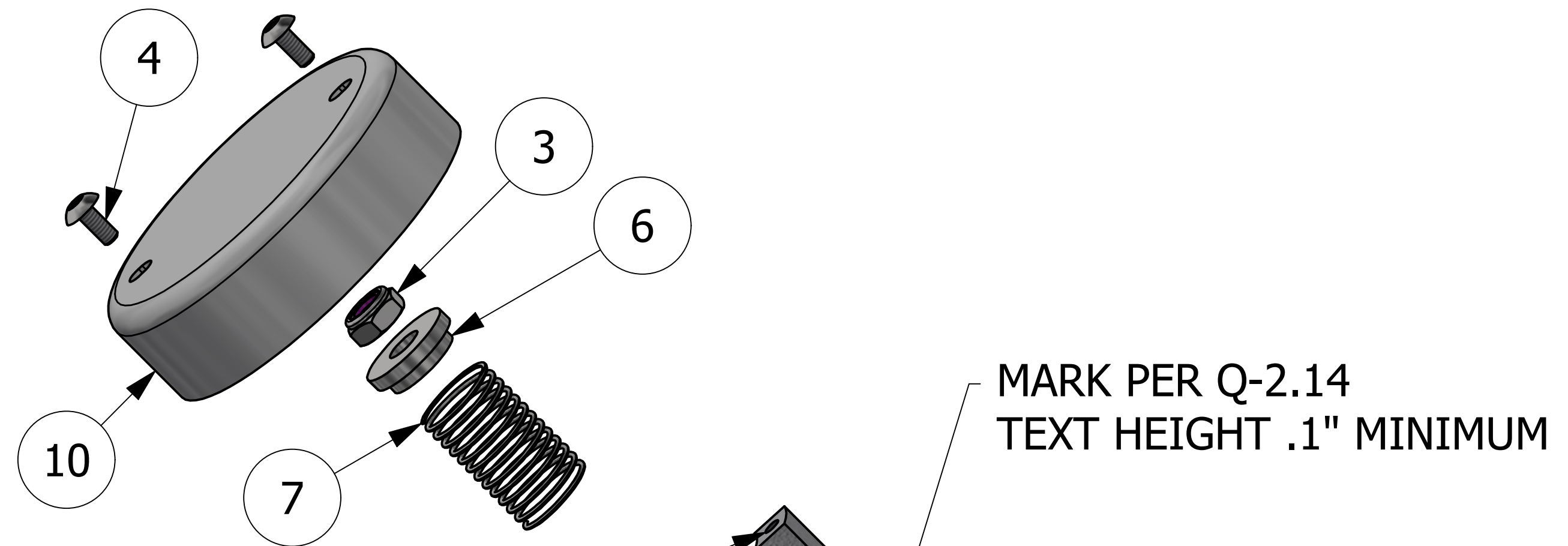


| NO. | PART NAME | PART# | REQ'D | MATERIAL |
|-----|--|------------|-------|---------------|
| 1 | PIPE FLANGE 4 3/4"X1 1/2" NPT | B44452 | 1 | 304 SS |
| 2 | HEX JAM NUT 7/16"-20 | N716S | 1 | 18-8 SS |
| 3 | HEX LOCK NUT 5/16"-18 | R20ANS | 1 | 18-8 SS |
| 4 | TAMPER RESISTANT SCREW 10-32 X 3/8" | TRS1032SS | 2 | 302 SS |
| 5 | VACUUM RELIEF VALVE GASKET 1 1/2" | VV1507G | 1 | BLACK VITON B |
| 6 | VACUUM RELIEF VALVE BUSHING 1 1/2" | VV15S41SB | 1 | 303 SS |
| 7 | SPRING 3/4" X 3 5/16" | VV15S41SP | 1 | 18-8 SS |
| 8 | VACUUM RELIEF VALVE STEM 1 1/2" | VVN15S4SA | 1 | 304/18-8 SS |
| 9 | VACUUM RELIEF VALVE BODY ASSEMBLY 1 1/2" | VVN15S4VBA | 1 | 304 SS |
| 10 | VACUUM RELIEF VALVE CAP | VVNS4TC | 1 | 304 SS |



- NOTES:
1. VALVE BODY IS 304 SS WITH TEFLON ENCAPSULATED SILICONE O-RING.
 2. VACUUM RATING IS 3.05" OF Hg (-1.5 PSI) PER APPENDIX A, SECTION 4.10 OF AAR TANK CAR MANUAL.
 3. AAR APPROVAL # E-202141.
 4. TEST PER Q-2.15.7.
 5. SEE DOCUMENT Q-2.14 FOR MARKING PROCEDURE.
 6. SEE DOCUMENTS WPS-F03, WPS-F05, WPS-M07, WPS-M10, WPS-T06, & WPS-T07 FOR WELDING PROCEDURE.
 7. WELD ACCEPTANCE CRITERIA TO MEET DOCUMENT D-005.

APPLY ANTI-SEIZE TO THREADS

APPLY DROP OF BLUE THREADLOCKER

| | | | |
|-----|-----|----------|---|
| D | WEB | 4/11/24 | UPDATED MARKING; REMOVED LABEL |
| C | WEB | 9/4/20 | AAR # WAS E-099034; UPDATED TITLE BLOCK; UPDATED WELD PROCEDURE; ADDED D-005 NOTE |
| B | JG | 3/20/18 | Q-2.14 WAS QAP5A-1; Q-2.15.7 WAS QAP4C-1; UPDATED WELD NOTE TO DSS 12 |
| A | RJP | 10/28/16 | RELEASED FOR PRODUCTION |
| REV | BY | DATE | DESCRIPTION |

| | | |
|---|-----------------------------|------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONAL TOLERANCES | DRAWN BY: | RJP |
| FRACTIONAL: ±1/16 | CHECKED BY: | VD |
| X.XX: ±.03 | PROTOTYPE DATE: | 10/11/2016 |
| X.XXX: ±.015 | APPROVED FOR PRODUCTION BY: | MW |
| ANGULAR: ±1° | PRODUCTION DATE: | 10/28/2016 |
| DEBURR ALL SHARP EDGES. ALL MACHINED SURFACES TO HAVE A 125 RMS FINISH UNLESS NOTED OTHERWISE. | SIZE: | D |
| THIRD ANGLE PROJECTION | DRAWING #: | 44455 |

SALCO PRODUCTS, INC.

PART NAME:
VACUUM RELIEF VALVE 1 1/2"X2" FLANGED

MATERIAL:
SEE BOM

PROJECT #:
R161010

SHEET #:
1 OF 1

SCALE:
1:1

PART #:
VVN15X2S4RA507A