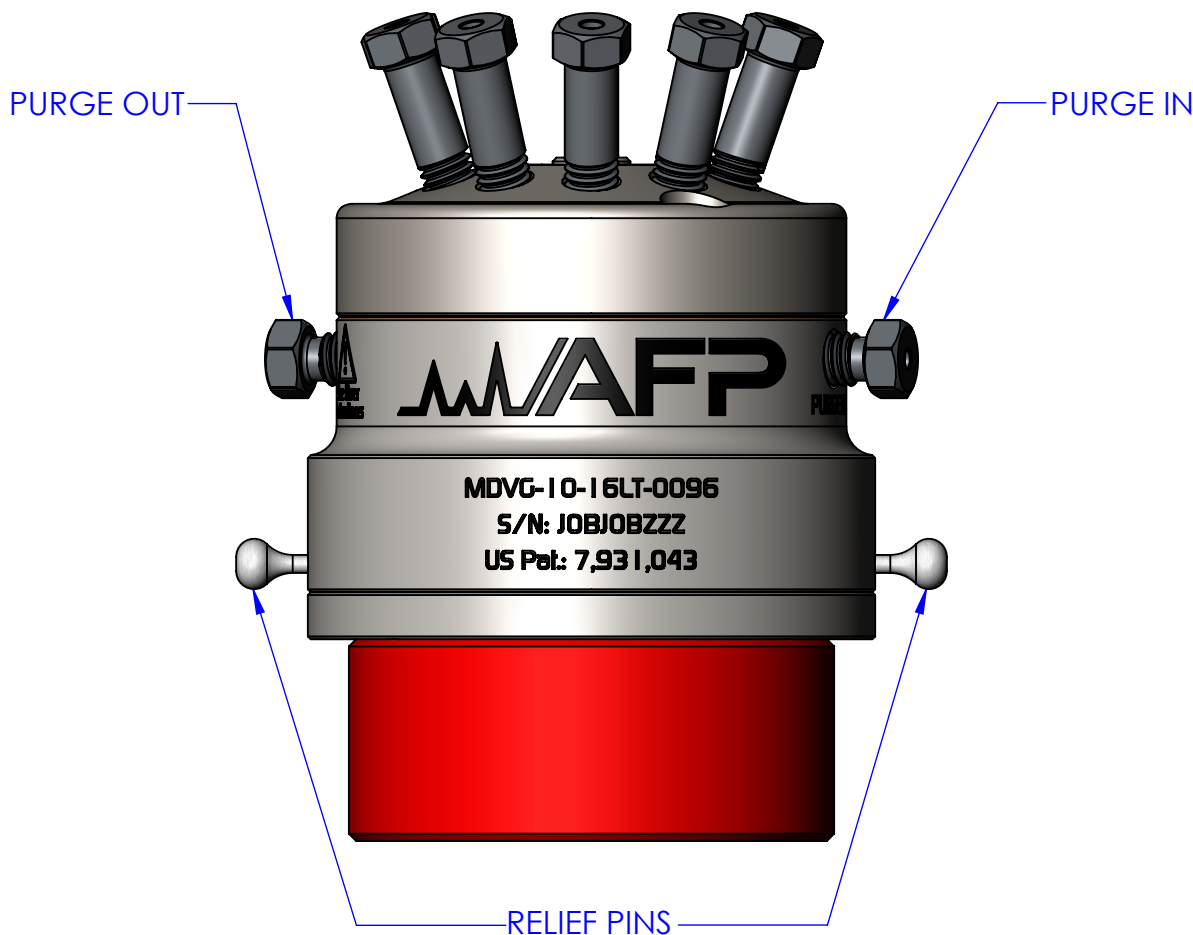
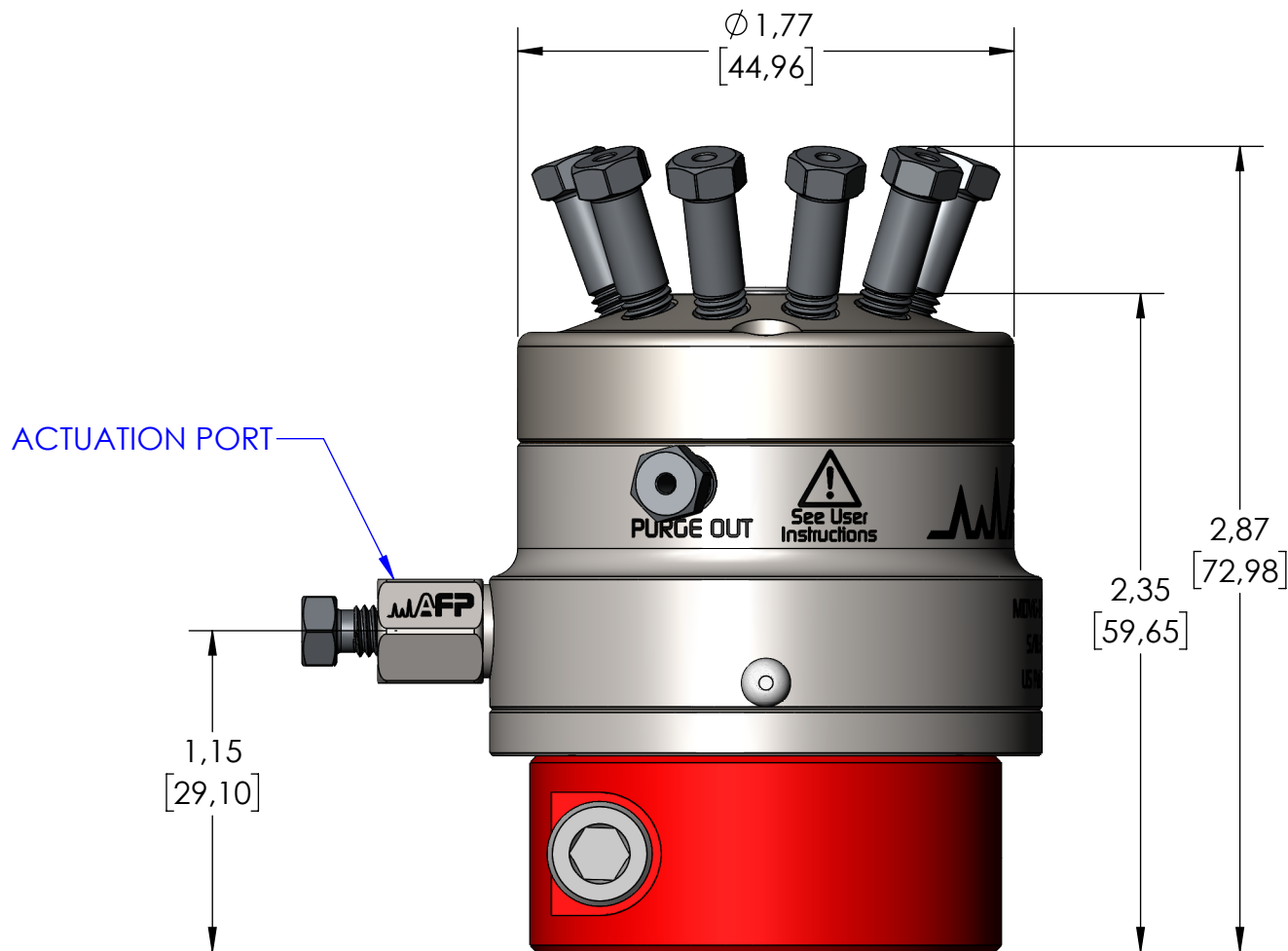
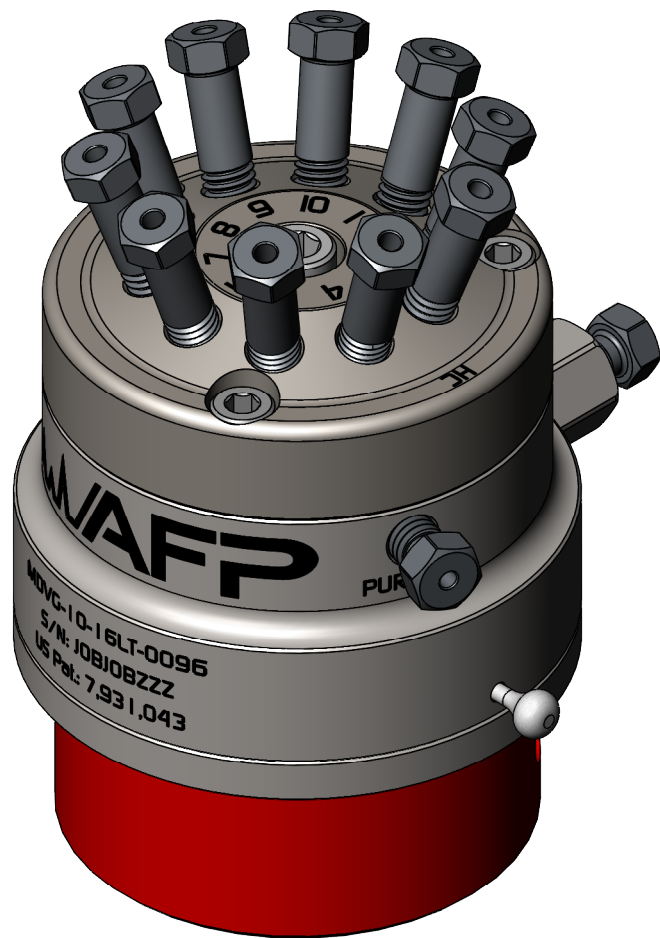
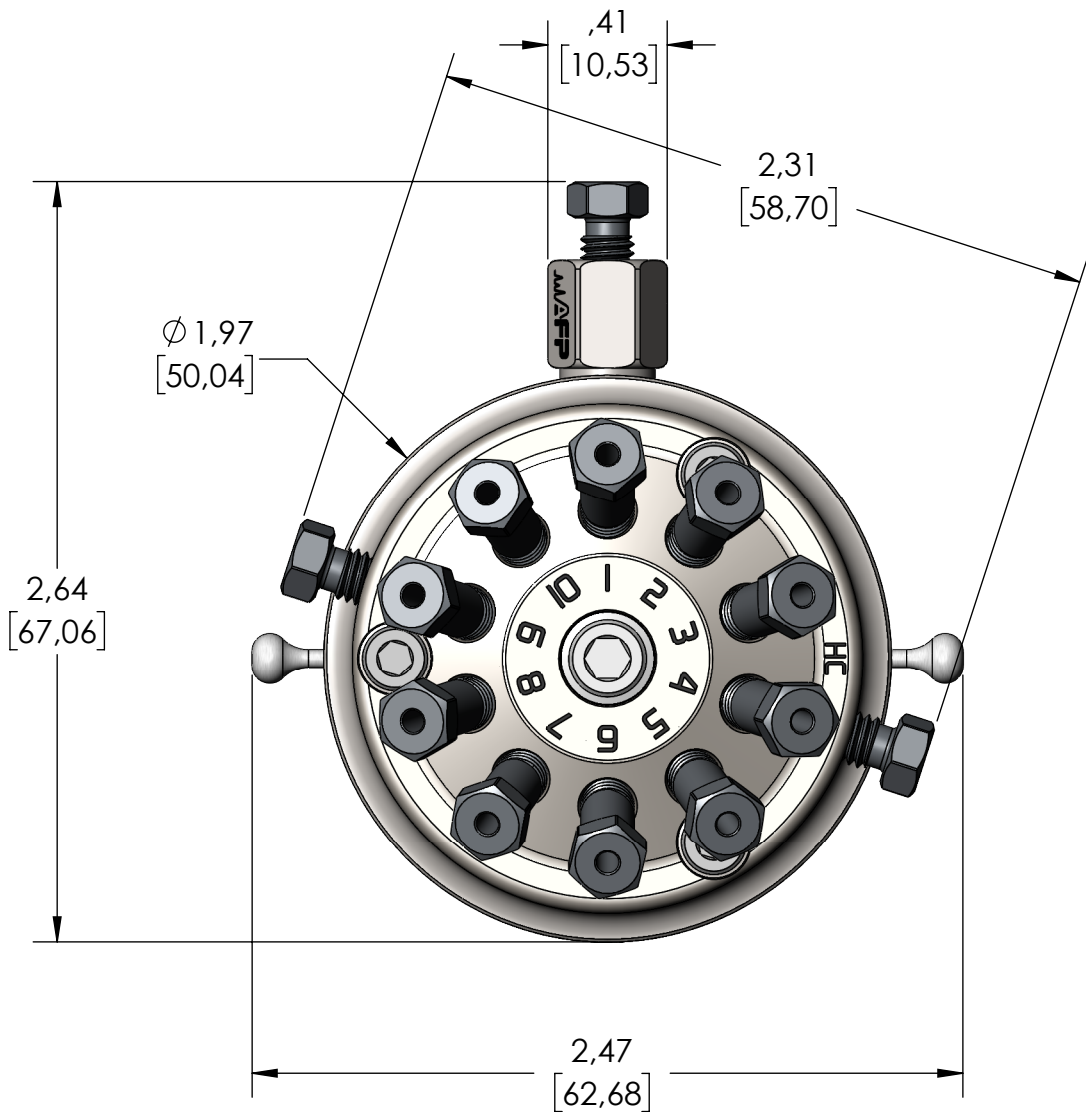


| DATE       | SYM | REVISION RECORD | ECO  | DWN | ENG | MFG |
|------------|-----|-----------------|------|-----|-----|-----|
| 2018-11-14 | 00  | NEW RELEASE     | 0088 | AC  | AC  | SL  |



**SPECIFICATIONS:**

|                               |                                                                       |
|-------------------------------|-----------------------------------------------------------------------|
| VALVE P/N                     | MDVG2-10-16LT-0096                                                    |
| VALVE TYPE                    | PREMIUM GRADE, LOW TEMPERATURE                                        |
| NUMBER OF PORTS               | 10                                                                    |
| PORT SIZE                     | 0.030" [0.762mm]                                                      |
| PORT CONNECTION               | 1/16" [1.6mm]                                                         |
| MAX. WORKING PRESSURE         | 500psig [3450kPa]                                                     |
| MAX INITIAL LEAK RATE         | 6.1E-11 Atm-cc/s He                                                   |
| MAX INITIAL PRESSURE DROP     | 30 kPa @ 75 sccm N <sub>2</sub> , 15 kPa max. between any sections    |
| ACTUATOR TYPE                 | PNEUMATIC SINGLE ACTUATION (SPRING RETURN)                            |
| ACTUATION PRESSURE            | 65psig [450kPa]                                                       |
| GAS CONSUMPTION PER ACTUATION | 0.07in <sup>3</sup> [1.15ml]                                          |
| MAX. WORKING TEMPERATURE      | 212°F [100°C]                                                         |
| MATERIAL                      | STAINLESS STEEL BODY<br>HASTELLOY VALVE HEAD<br>AFPD-1 DIAPHRAGM TYPE |

UNLESS OTHERWISE SPECIFIED:  
- ALL DIMENSIONS ARE IN INCHES  
- SURFACE FINISH IS IN Ra MICROINCHES (µIN)  
- UNSPECIFIED SURFACES MUST BE 64 Ra µIN OR BETTER  
- REMOVE ALL BURRS & SHARP EDGES .003-0.010  
- TOLERANCES ARE:  
XX ±.010 FRACTIONAL ±1/64"  
.XXX ±.003 ANGULAR ±5°  
XXXX ±.001  
- UNSPECIFIED INSIDE CORNER RADIUS 0.010 MAX.  
- REFER TO 3D MODEL FOR DIMENSIONS NOT SHOWN.  
- TOLERANCE .XX APPLIES  
- DO NOT SCALE DRAWING

MATERIAL:  
  
FINISH:  
X  
  
ACCORDANCE WITH  
LATEST ASME Y14.5

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DESCRIPTION:  
MINI DIAPHRAGM VALVE GROOVED 10  
PORTS SS (LOW TEMPERATURE,  
HASTELLOY HEAD)

|                |           |                               |            |
|----------------|-----------|-------------------------------|------------|
| UNIT<br>IN     | SIZE<br>C | DWG. NO.<br>MDVG-10-16LT-0096 | REV.<br>00 |
| SCALE<br>1.5:1 |           | SHEET 1 OF 3                  |            |