

- E1. ASME PART UIF-PEDESIGN RATING RATINGS:
  - E1.1 SHELL DESIGN VOLUME (V): 5.41 G [20.48 L]
  - E1.2 GAS DESIGN VOLUME: 5.05 G [19.10 L]
  - E1.3 ALLOWABLE ELASTOMER TEMP RANGE: BUNA  
5°F [-15°C] TO 200°F [93°C]
  - E1.4 MIN HYDROSTATIC TEST PRESSURE: 6,846 PSI [472 BAR]
- F2. ASME PART UIF DESIGN RATINGS:
  - E2.1 MAX ALLOWABLE PRESSURE (MAWP): 3,000 PSI [207 BAR] / 3,600 PSI [248 BAR]
  - E2.2 MIN HYDROSTATIC TEST PRESSURE (PT): 5,400 PSI [372 BAR]
  - E2.3 ALLOWABLE SHELL TEMP RANGE (MDMT): -65°F [-54°C] TO 200°F [93°C]
  - E2.4 MEETS ASME SECTION VIII, DIV 1 REQUIREMENTS
  - E2.5 CORROSION ALLOWANCE: 0 IN [0 MM]
- E3. PED DESIGN RATINGS:
  - E3.1 MAX ALLOWABLE PRESSURE (PS): 4,786 PSI [330 BAR]
  - E3.2 MIN HYDROSTATIC TEST PRESSURE (PT): 6,846 PSI [472 BAR]
  - E3.3 ALLOWABLE SHELL TEMP RANGE (TS): -65°F [-54°C] TO 302°F [150°C]
  - E3.4 MEETS EUROPEAN PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU
  - E3.5 PED CATEGORY (ANNEX 2, TABLE 2): CATEGORY IV
- E4. SEE DRAWING 8738450000 FOR MODEL NUMBERING SYSTEM
- E5. SEE DRAWING 871498 FOR PED CERTIFICATION REQUIREMENTS
- E6. BLADDER REBUILD KIT PART NUMBER E702984-R  
BLADDER REPAIR KIT PART NUMBER E702984  
HYDRAULIC PORT ASSEMBLY KIT NUMBER E074171002
- E7. CRN NUMBER FOR ALL PROVINCES OF CANADA R1989.5CFITG
- E8. AUSTRALIAN REGISTRATION NUMBER PV 6-196572/15

- M1. USE STANDARD LABEL PROGRAM FOR ITEM #20 : StandardProduct\_CE
  - M1.1 USE LABEL PROGRAM FOR ITEM #20A: AustCert
  - M1.2 ONE EXTRA PRODUCT LABEL TO BE ATTACHED TO THE SHIPPING BOX  
OF EACH INDIVIDUAL BLADDER ASSEMBLY
- M2. PRINT THE FOLLOWING INFORMATION ON THE NAMEPLATE:  
NAME OF MANUFACTURER, YEAR OF PRODUCTION, SERIAL NUMBER, MAXIMUM  
ALLOWABLE PRESSURE "PS" IN BAR, TEMPERATURE RANGE "TS" -/+ C, VOLUME IN LITERS,  
CE MARKING AND ORGANIZATION CLEARANCE NUMBER
- M3. TORQUE ITEMS PER ACD AES-95
- M4. TOP OF STANDARD LABEL TO BE LOCATED FROM GAS END AS SHOWN  
IF BLEED PLUG EXISTS, LABEL TO BE LOCATED  $\pm .50$  [12.70]  
OF CENTERLINE WITH BLEED PLUG AS SHOWN
- M5. PRECHARGE ACCUMULATOR PER ACD AES-13



| PARTS LIST |     |             |                           |
|------------|-----|-------------|---------------------------|
| ITEM       | QTY | PART NUMBER | DESCRIPTION               |
| 1          | 1   | 8736360050  | PAINTED SHELL             |
| 2          | 1   | 8714931020  | BLADDER AND STEM ASSY     |
| 3          | 1   | 0870360031  | SEALING WASHER            |
| 5          | 1   | 0849881000  | HEX JAM NUT               |
| 6          | 1   | 0856870000  | PROTECTIVE CAP            |
| 7          | 1   | E074370002  | HYDRAULIC PORT ASSY       |
| 8          | 1   | 1459760010  | LOCKING RING              |
| 10         | 1   | 1459750010  | HYDRAULIC PORT SPACER     |
| 12         | 1   | 1334451010  | ANTI EXTRUSION RING ASSY  |
| 14         | 1   | 0104030332  | O-RING                    |
| 16         | 1   | 0773912338  | BACKUP RING               |
| 18         | 1   | 1459740010  | BACKUP WASHER             |
| 20         | 2   | 8711920000  | BLADDER ACC PRODUCT LABEL |
| 20A        | 1   | 0870330000  | PRODUCT LABEL             |
| 21         | 1   | 0139460036  | BLEED PLUG                |
| 22         | 1   | 0100810024  | PORT PROTECTOR PLUG       |
| 24         | 1   | 0119000006  | O-RING                    |
| 26         | 1   | L074210009  | GAS VALVE ASSEMBLY        |

THIS DOCUMENT AND THE INFORMATION IT CONTAINS IS CONFIDENTIAL AND PROPRIETARY TO PARKER-HANNIFIN CORPORATION AND ITS AFFILIATES ("PARKER"). MAY NOT BE COPIED OR DISCLOSED TO OTHERS OR USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF PARKER. IT MUST BE RETURNED OR DESTROYED AND ALL FURTHER USE DISCONTINUED AT PARKER'S REQUEST. THE RECIPIENT OF THIS DOCUMENT IS ADVISED THAT THE RELEASE OF THIS INFORMATION TO OTHERS OR THE DISSEMINATION OF COMPONENTS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE, AND IS SOLELY RESPONSIBLE THROUGH ITS OWN ANALYSIS AND TESTING OF THE INFORMATION FOR SUCH RESULTS. THE RECIPIENT AGREES AND ASSURES THAT ALL PERFORMANCE, ENDURANCE, MAINTENANCE, SAFETY AND WARNING REQUIREMENTS OF THE INTENDED APPLICATION ARE MET. COPYRIGHT © 1998 BY PARKER-HANNIFIN CORPORATION. ALL RIGHTS RESERVED.

**UNLESS OTHERWISE SPECIFIED:**  
 DIMENSIONS: IN [MM], WEIGHTS: LB [KG]  
 TOLERANCES: .XX [.X] =  $\pm 0.01$  [0.3]  
                   .XXX [.X] =  $\pm 0.005$  [0.1]  
                   ANGLES =  $\pm 2^\circ$   
 SURFACE FINISH: 125  $\mu$ IN [3.2  $\mu$ M] RMS  
 BREAK EDGES: R0.005-0.015 [0.1-0.3]  
 ALL THREADED CONNECTION ARE TORQUED  
 PER AES-95  
**DO NOT SCALE DRAWING**

| ECO CHANGE DESCRIPTION                                                                      |
|---------------------------------------------------------------------------------------------|
| CHANGED 'ASME APPENDIX' NOTE TO 'ASME PART U1F'. UPDATED DRAWING TO NEW BORDER AND TEMPLATE |
| UPDATED LABEL TO SHELL DISTANCE TO 5.75                                                     |

|   |                                |                |                        |             |
|---|--------------------------------|----------------|------------------------|-------------|
|   | MATERIAL                       |                |                        |             |
|   | REFERENCE<br>871408            |                | WEIGHT<br>98.0 [44.45] |             |
| R | DRAWN MM/DD/YYYY<br>06/01/2015 | DRAWN BY<br>SA | CHECKED BY<br>JAE      | APPROVED BY |

|                                                                                                                                                                                         |                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>PARKER HANNIFIN CORPORATION<br/> <b>HYDRAULIC ACTUATOR DIVISION</b><br/> <b>ACBU</b><br/>         MACHESNEY PARK, IL 61115, USA</p>                                                  |  |
| <p>BLDR ACC ASSY, ASME-PART UIF-PED-CRN-AS1210<br/>         5 GAL, 3-3.6 KPSI, 330 BAR, BUNA<br/>         STD GAS VLV, OIL SERV, BOT RPR<br/>         STD BLADDER ACC, #24 SAE PORT</p> |                                                                                       |

|                     |     |
|---------------------|-----|
| SHEET 1 OF 1        | REV |
|                     | F   |
| MODEL / PART NUMBER |     |
| BA05B3T01P2         |     |
| DRAWING NUMBER      |     |
| BA05B3T01P2         |     |