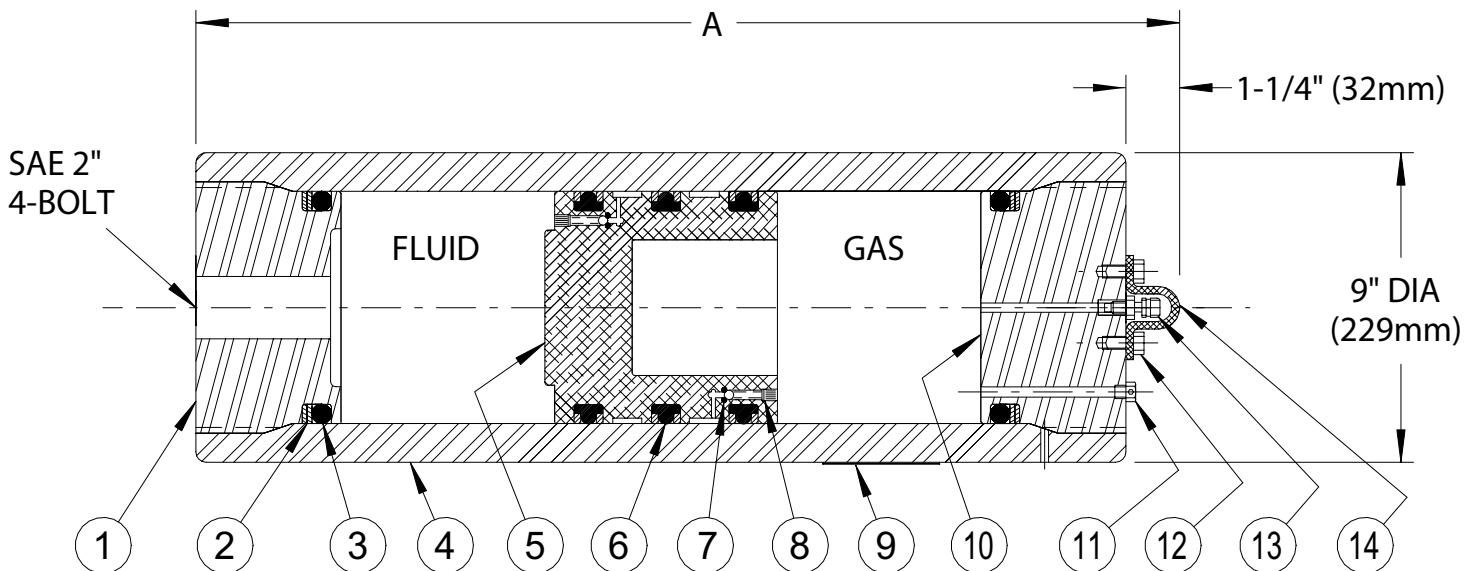


# 090A30 Accumulators 3,000 PSI (207 Bar)



| MODEL<br>NUMBER | GAS CAPACITY     |                  | FLUID CAPACITY |        | DRY WEIGHT |     | DIMENSION |       |
|-----------------|------------------|------------------|----------------|--------|------------|-----|-----------|-------|
|                 |                  |                  |                |        |            |     | A         |       |
|                 | In. <sup>3</sup> | Cm. <sup>3</sup> | Gallon         | Liters | Lbs.       | Kg. | In.       | mm.   |
| 090A30-20NV1K   | 612              | 10,030           | 2.5            | 9      | 192        | 87  | 23.25     | 591   |
| 090A30-40NV1K   | 1,191            | 19,515           | 5              | 19     | 256        | 116 | 35.875    | 912   |
| 090A30-60NV1K   | 1,765            | 28,925           | 7.5            | 28     | 320        | 145 | 48.5      | 1,232 |
| 090A30-80NV1K   | 2,347            | 38,465           | 10             | 38     | 385        | 175 | 61.25     | 1,556 |
| 090A30-100NV1K  | 2,918            | 47,819           | 12.5           | 47     | 448        | 203 | 73.75     | 1,873 |
| 090A30-120NV1K  | 3,495            | 57,266           | 15             | 57     | 513        | 232 | 86.375    | 2,194 |
| 090A30-140NV1K  | 4,071            | 66,713           | 17.5           | 66     | 576        | 261 | 99        | 2,515 |
| 090A30-160NV1K  | 4,648            | 76,160           | 20             | 76     | 641        | 291 | 111.625   | 2,835 |
| 090A30-200NV1K  | 5,806            | 95,148           | 25             | 95     | 770        | 349 | 137       | 3,480 |
| 090A30-240NV1K  | 6,959            | 114,042          | 30             | 114    | 898        | 407 | 162.25    | 4,121 |
| 090A30-320NV1K  | 9,265            | 151,831          | 40             | 151    | 1,154      | 523 | 212.75    | 5,404 |
| 090A30-400NV1K  | 11,571           | 189,619          | 50             | 189    | 1,411      | 640 | 263.25    | 6,687 |



## GENERAL DESIGN DATA

|                                           |                 |                 |
|-------------------------------------------|-----------------|-----------------|
| MAXIMUM WORKING PRESSURE .....            | 3,000 PSI       | (207 Bar)       |
| MAXIMUM PROOF PRESSURE.....               | 4,500 PSI       | (310 Bar)       |
| MINIMUM BURST PRESSURE.....               | 12,000 PSI      | (827 Bar)       |
| OPERATING TEMPERATURE (Buna/Nitrile)..... | -20° TO +200° F | (-28° to 93° C) |

STANDARD SEAL MATERIAL FOR PETROLEUM BASE OIL.  
SEALS AVAILABLE FOR OTHER FLUIDS.

**NOTE: Optional porting/mounting configurations available on request**

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# 090A30 Accumulators 3,000 PSI (207 Bar)



## 090A30 SERIES PARTS BREAKDOWN (CATALOG STANDARD 090A30-\*NV1K)

| ITEM NO. | PART NO.      | DESCRIPTION                                 | NO. REQ'D |
|----------|---------------|---------------------------------------------|-----------|
| 1        | HF61MB23-K    | HEAD, FLUID, 2" SAE 4 BLT CODE 61           | 1         |
| 2        | SB4T112       | SEAL, BACKUP, TEFLON                        | 2         |
| 3        | SO4N112       | SEAL, O-RING, HEAD, BUNA-N                  | 2         |
| 4        | C72TA61-176   | CYLINDER, 090A30-20, 2.5 GALLON, 9 LITER    | 1         |
|          | C72TA61-277   | CYLINDER, 090A30-40, 5 GALLON, 19 LITER     |           |
|          | C72TA61-378   | CYLINDER, 090A30-60, 7.5 GALLON, 28 LITER   |           |
|          | C72TA61-480   | CYLINDER, 090A30-80, 10 GALLON, 38 LITER    |           |
|          | C72TA61-580   | CYLINDER, 090A30-100, 12.5 GALLON, 47 LITER |           |
|          | C72TA61-681   | CYLINDER, 090A30-120, 15 GALLON, 57 LITER   |           |
|          | C72TA61-782   | CYLINDER, 090A30-140, 17.5 GALLON, 66 LITER |           |
|          | C72TA61-883   | CYLINDER, 090A30-160, 20 GALLON, 76 LITER   |           |
|          | C72TA61-1086  | CYLINDER, 090A30-200, 25 GALLON, 95 LITER   |           |
|          | C72TA61-1288  | CYLINDER, 090A30-240, 30 GALLON, 114 LITER  |           |
|          | C72TA61-1692  | CYLINDER, 090A30-320, 40 GALLON, 151 LITER  |           |
|          | C72TA61-2096  | CYLINDER, 090A30-400, 50 GALLON, 189 LITER  |           |
| 5        | P61MH33T      | PISTON, ALUMINUM                            | 1         |
| 6        | SB4T113       | SEAL, BACKUP, TEFLON                        | 6         |
|          | ST4N114       | SEAL, PISTON, "T" SEAL, BUNA-N              | 3         |
| 7        | 3A-175        | BALL, CHECK VALVE                           | 2         |
|          | SO1V.114      | SEAL, O-RING, CHECK VALVE, VITON®           | 2         |
| 8        | 3A-24         | SCREW, RETAINING, CHECK VALVE               | 2         |
|          | 4A-135        | SPRING, CHECK VALVE                         | 2         |
| 9        | NP-300        | NAMEPLATE                                   | 1         |
| 10       | HG61MB23-1    | HEAD, GAS, ½-20                             | 1         |
| OPT      | DR-ASSY-32    | RUPTURE DISK ASSM (OPTIONAL) 3200 PSI       | 1         |
| 12       | B-.37CB16S6-B | BOLT, CARBON STEEL, 3/8-16 x ¾              | 2         |
| 13       | 3A-283        | SS VALVE, GAS, 3K, ½-20 UNF-3A              | 1         |
| 14       | 3A-754D       | GUARD, VALVE, ALUMINUM                      | 1         |

(\*DENOTES INSERTION POINT FOR UNIT VOLUME DESIGNATION, i.e., 80 = 10 GALLON VOLUME)

### COMPLETE SEAL KITS

| NEW PART NUMBER | TYPE   | OLD PART NUMBER |
|-----------------|--------|-----------------|
| SK090A30-NT     | BUNA-N | 9A30-G40T-NST   |
| SK090A30-VT     | VITON® | 9A30-G40T-ETT   |
| SK090A30-ET     | EPR    | 9A30-G40T-HTT   |

Specify seal material by selecting appropriate material code – "N"= Buna-N; "B"= Butyl; "E"= EPR; "V"= FKM (Viton®)

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