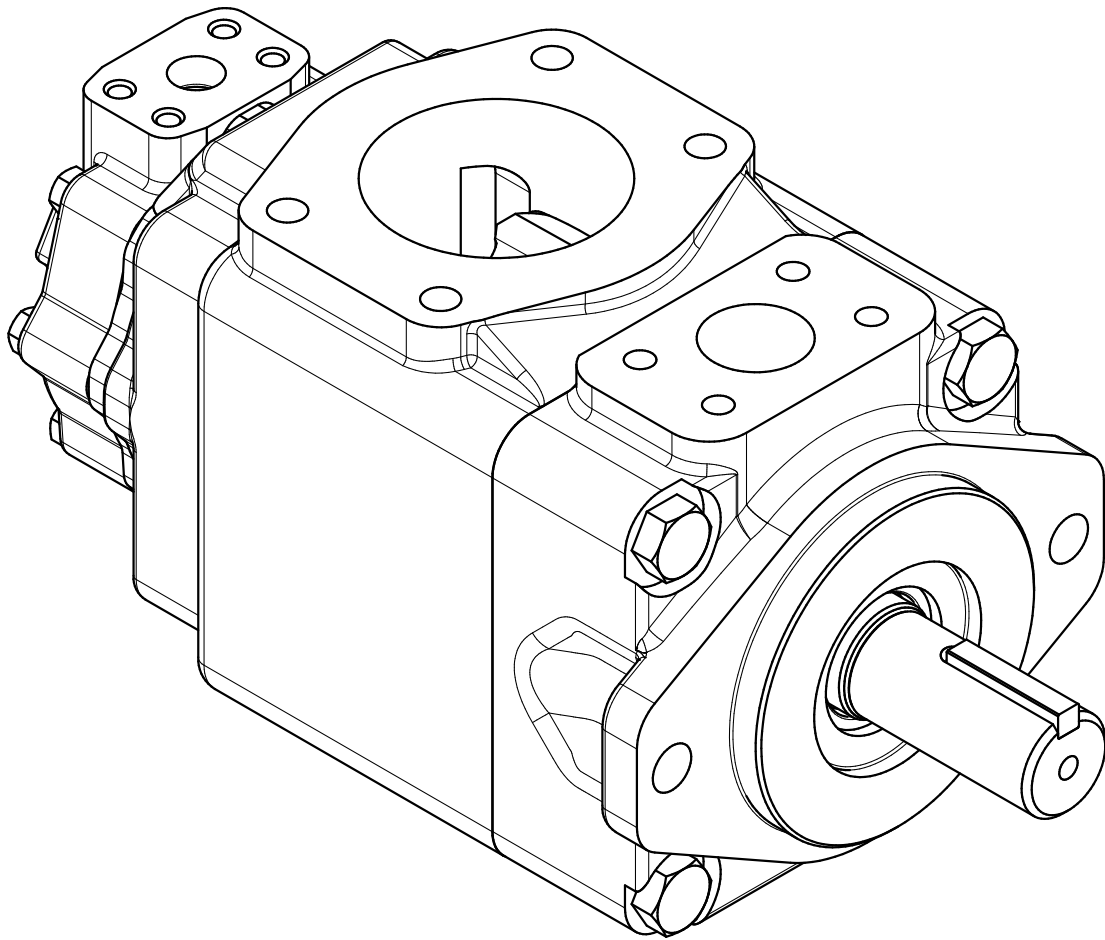




# Hydraulic Pumps - Service Information

## T7EB - T7EBS

Denison Vane Technology



ENGINEERING YOUR SUCCESS.

**Model description****Hydraulic Pumps****T7EB - T7EBS, Denison Vane Pumps****Model No.****T7EB or T7EBS - 042 - B12 - 1 R 00 - A 1 - M1 - ..****T7EB series - 125 A2 HW**

ISO 2 bolts 3019-2 mounting flange

**T7EBS series - SAE C 2 bolts**

J744 mounting flange

**Displacement P1**

Volumetric displacement (ml/rev.)

042 = 132,3      054 = 171,0      066 = 213,3

045 = 142,4      057 = 183,3      072 = 227,1

050 = 158,5      062 = 196,7      085 = 268,7

052 = 164,8

**Displacement P2**

Volumetric displacement (ml/rev.)

B02 = 5,8      B07 = 22,5      B11 = 35,0

B03 = 9,8      B08 = 24,9      B12 = 41,0

B04 = 12,8      B09 = 28,0      B14 = 45,0

B05 = 15,9      B10 = 31,8      B15 = 50,0

B06 = 19,8

**Type of shaft T7EBS**

1 = keyed (SAE CC)

2 = keyed (non SAE)

3 = splined (SAE C) 14 teeth

4 = splined (SAE CC) 17 teeth

**Type of shaft T7EB - T7EBS**

5 = keyed (ISO R775 - G38 M)

**Modifications****Mounting w/connection variables**

4 bolts SAE flange J518

|              | <b>P1 = 1.1/2" - P2 = 3/4" - S = 3.1/2"</b> |            |
|--------------|---------------------------------------------|------------|
|              | Metric thread                               | UNC thread |
| <b>T7EB</b>  | M1                                          |            |
| <b>T7EBS</b> | M1                                          | 01         |

**Seal class**

1 = S1 BUNA N - 0,7 bar max. (for mineral oil)

4 = S4 EPDM - 7 bar max. (for fire resistant fluids)

5 = S5 VITON® - 7 bar max. (for mineral oil and fire resistant fluids)

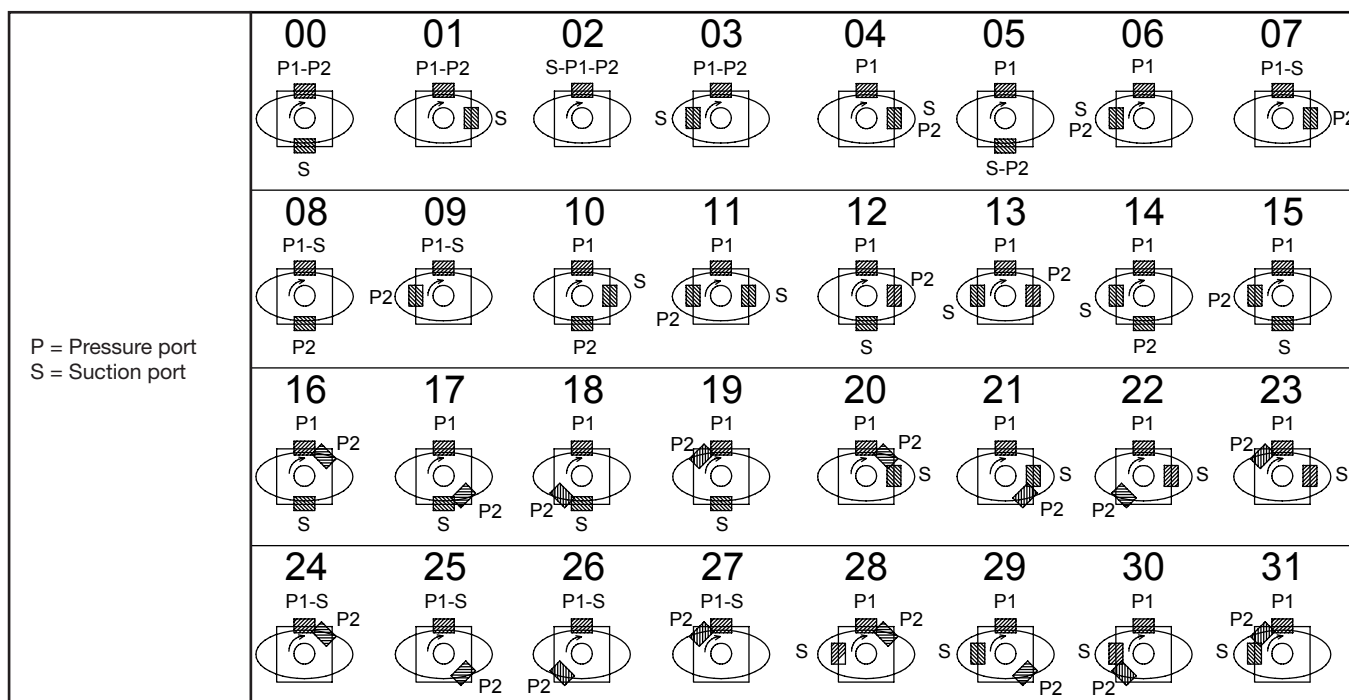
**Design letter****Porting combination**

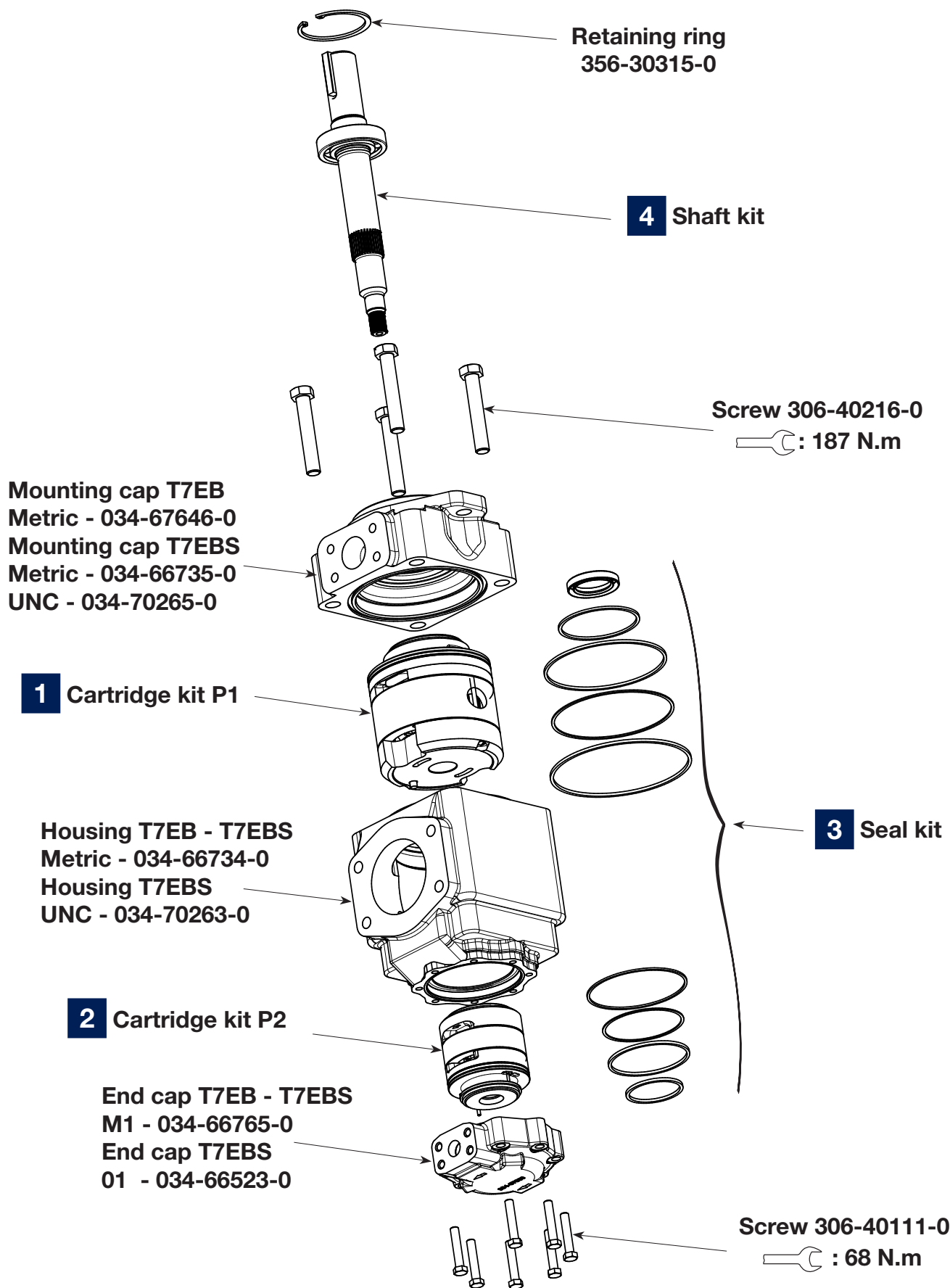
00 = standard

**Direction of rotation (shaft end view)**

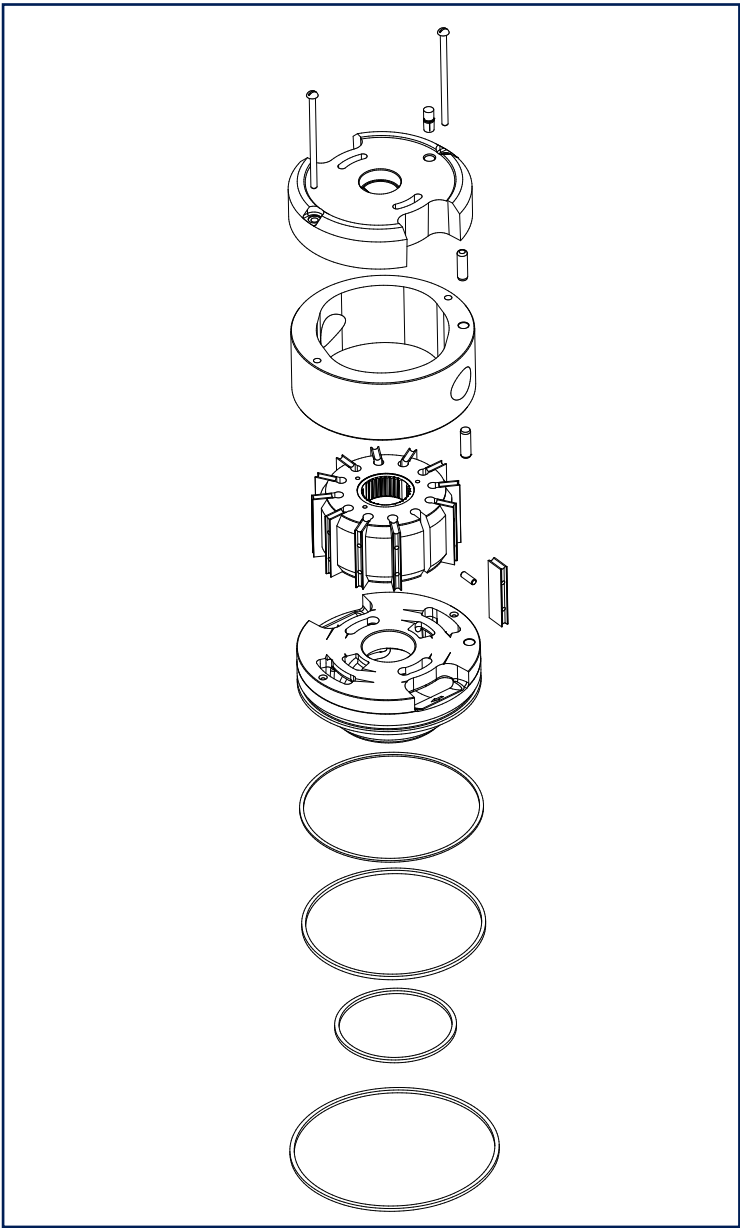
R = Clockwise

L = Counter-clockwise

**Position of the ports**



1 Cartridge kit P1 (Preferred)



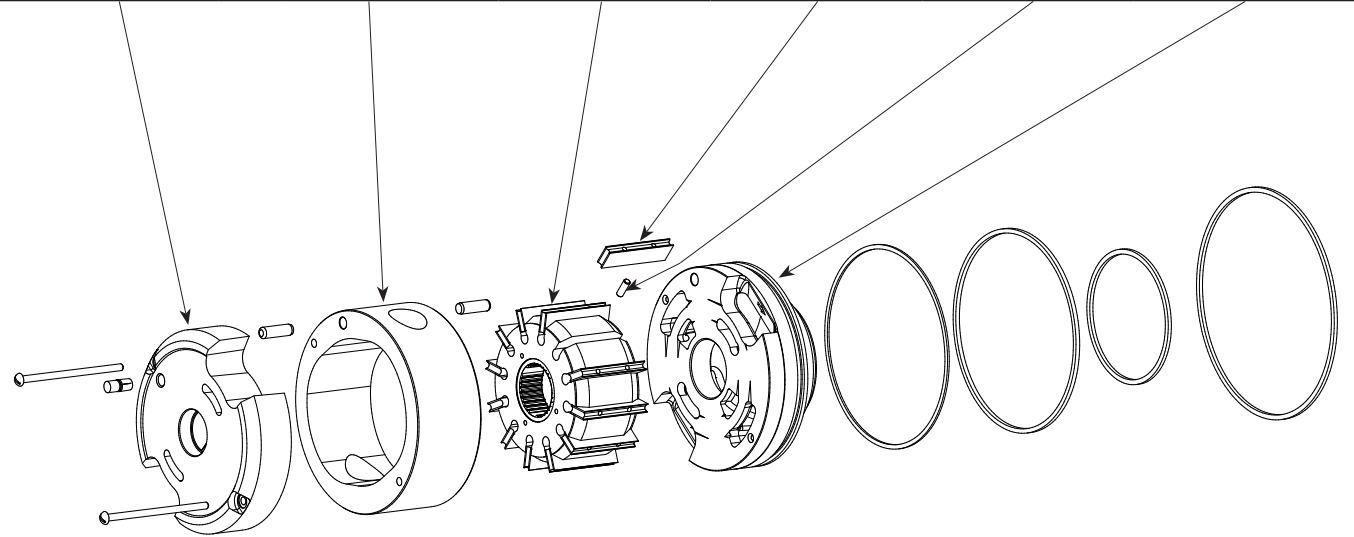
T7EB - T7EBS - 0\*\* - B\*\* - \*\*\* - \*\* - \*\*

| Cartridge kit P1 | Code N°     |             |
|------------------|-------------|-------------|
| Displacement     | R (CW)      | L (CCW)     |
| 042              | S24-77675-* | S24-77676-* |
| 045              | S24-77677-* | S24-77678-* |
| 050              | S24-77679-* | S24-77680-* |
| 052              | S24-77681-* | S24-77682-* |
| 054              | S24-77683-* | S24-77684-* |
| 057              | S24-77685-* | S24-77686-* |
| 062              | S24-77687-* | S24-77688-* |
| 066              | S24-77689-* | S24-77690-* |
| 072              | S24-77691-* | S24-77692-* |
| 085              | S24-77693-* | S24-77694-* |

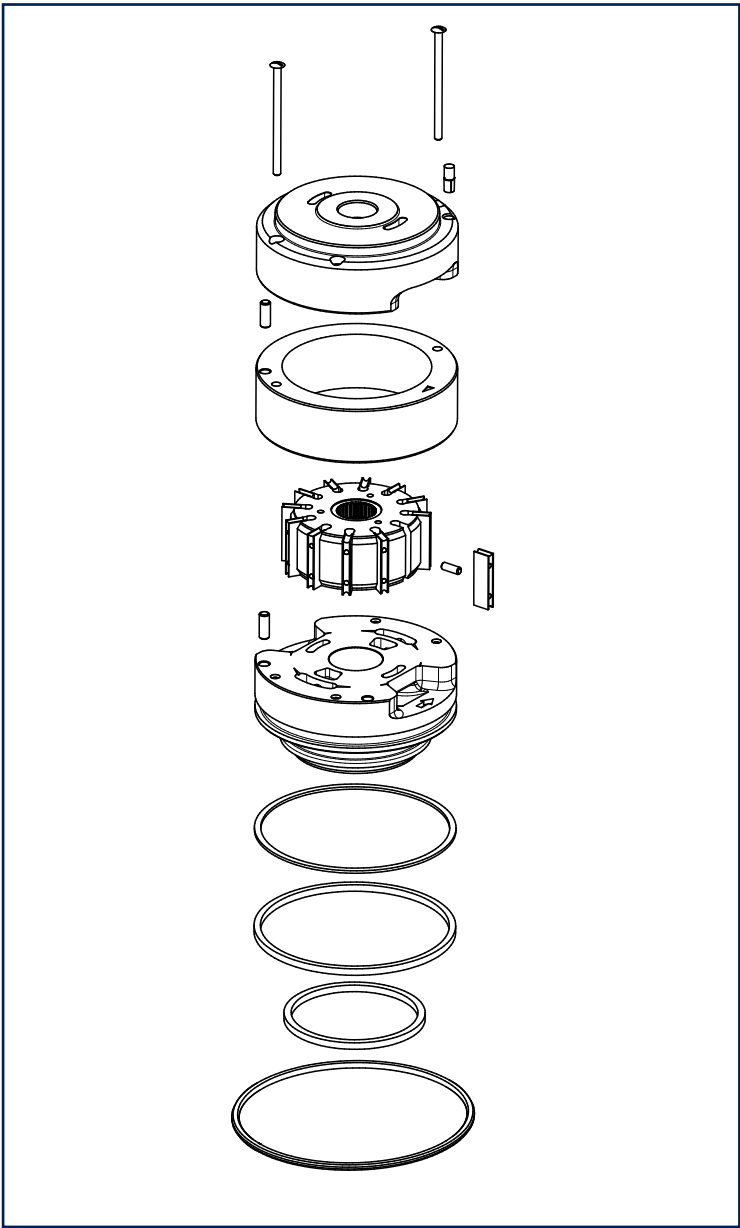
\* = 0 = S1 BUNA N  
\* = 4 = S4 EPDM  
\* = 5 = S5 VITON®

Cartridge P1 loose items

| 1 x                                   | 1 x |             | 1 x         | 12 x        | 12 x        | 1 x                                   |
|---------------------------------------|-----|-------------|-------------|-------------|-------------|---------------------------------------|
| CW - S24-73820-0<br>CCW - S24-76213-0 | 042 | 034-67503-0 | S24-10185-0 | 034-59162-0 | 034-59161-0 | CW - 034-67408-0<br>CCW - 034-67434-0 |
|                                       | 045 | 034-67504-0 |             |             |             |                                       |
|                                       | 050 | 034-67505-0 |             |             |             |                                       |
|                                       | 052 | 034-67506-0 |             |             |             |                                       |
|                                       | 054 | 034-67619-0 |             |             |             |                                       |
|                                       | 057 | 034-67507-0 |             |             |             |                                       |
|                                       | 062 | 034-67508-0 |             |             |             |                                       |
|                                       | 066 | 034-67509-0 |             |             |             |                                       |
|                                       | 072 | 034-67447-0 |             |             |             |                                       |
|                                       | 085 | 034-67455-0 |             |             |             |                                       |



1 Cartridge kit P2 (Preferred)



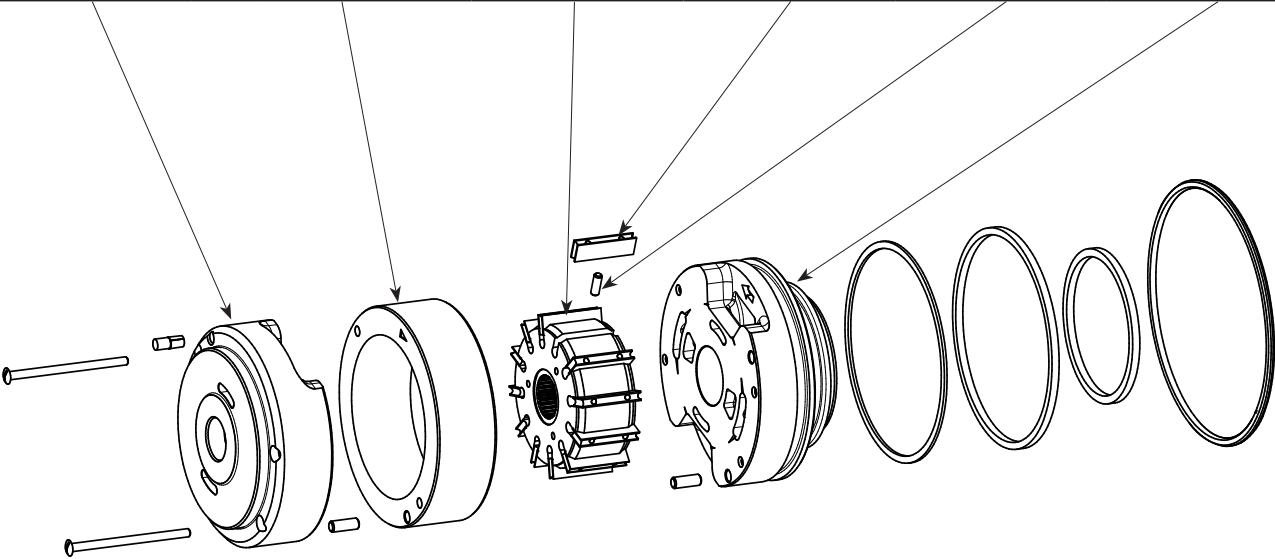
T7EB - T7EBS - 0\*\* - B\*\* - \* \* \* \* - \* \* - \*\*

| Cartridge kit P2 | Code N°     |             |
|------------------|-------------|-------------|
| Displacement     | R (CW)      | L (CCW)     |
| B02              | S24-51513-* | S24-51514-* |
| B03              | S24-51515-* | S24-51516-* |
| B04              | S24-51517-* | S24-51518-* |
| B05              | S24-51519-* | S24-51520-* |
| B06              | S24-51521-* | S24-51522-* |
| B07              | S24-59972-* | S24-59973-* |
| B08              | S24-51523-* | S24-51524-* |
| B09              | S24-77376-* | S24-77377-* |
| B10              | S24-51525-* | S24-51526-* |
| B11              | S24-77378-* | S24-77379-* |
| B12              | S24-59017-* | S24-59018-* |
| B14              | S24-77380-* | S24-77381-* |
| B15              | S24-59019-* | S24-59020-* |

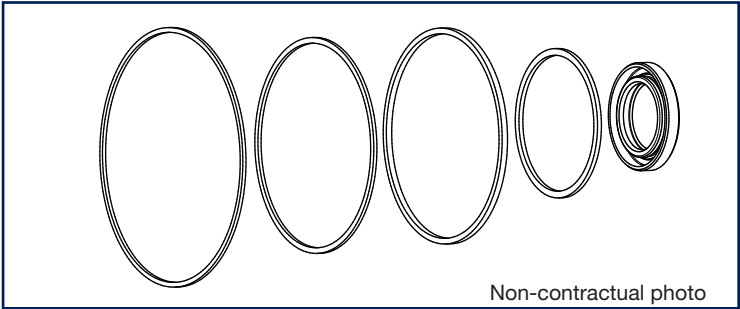
\* = 0 = S1 BUNA N  
\* = 4 = S4 EPDM  
\* = 5 = S5 VITON®

Cartridge P2 loose items

| 1 x         | 1 x |             | 1 x         | 12 x        | 12 x        | 1 x         |
|-------------|-----|-------------|-------------|-------------|-------------|-------------|
| S24-51527-0 | 002 | 034-66909-0 | S24-49820-0 | 034-66917-0 | 034-66991-0 | 034-66923-0 |
|             | 003 | 034-66910-0 |             |             |             |             |
|             | 004 | 034-66911-0 |             |             |             |             |
|             | 005 | 034-66912-0 |             |             |             |             |
|             | 006 | 034-66913-0 |             |             |             |             |
|             | 007 | 034-67063-0 |             |             |             |             |
|             | 008 | 034-66914-0 |             |             |             |             |
|             | 009 | 034-67383-0 |             |             |             |             |
|             | 010 | 034-66915-0 |             |             |             |             |
|             | 011 | 034-67461-0 |             |             |             |             |
|             | 012 | 034-67032-0 |             |             |             |             |
|             | 014 | 034-67409-0 |             |             |             |             |
|             | 015 | 034-67034-0 |             |             |             |             |

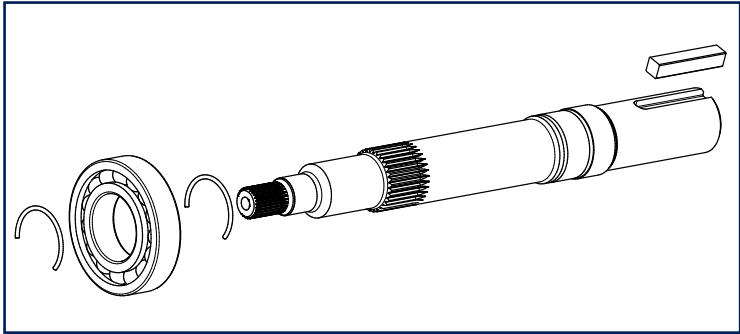


2 Seal kit

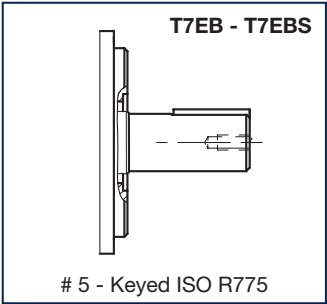
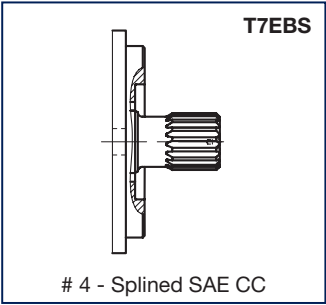
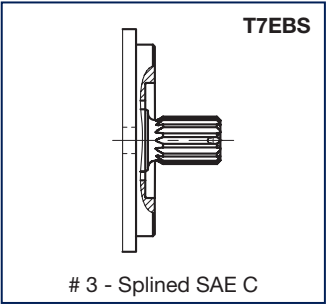
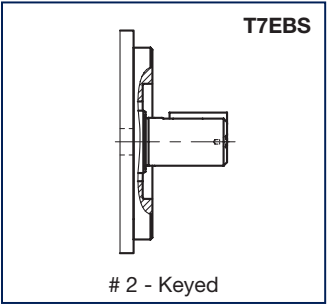
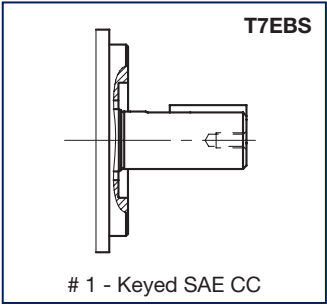


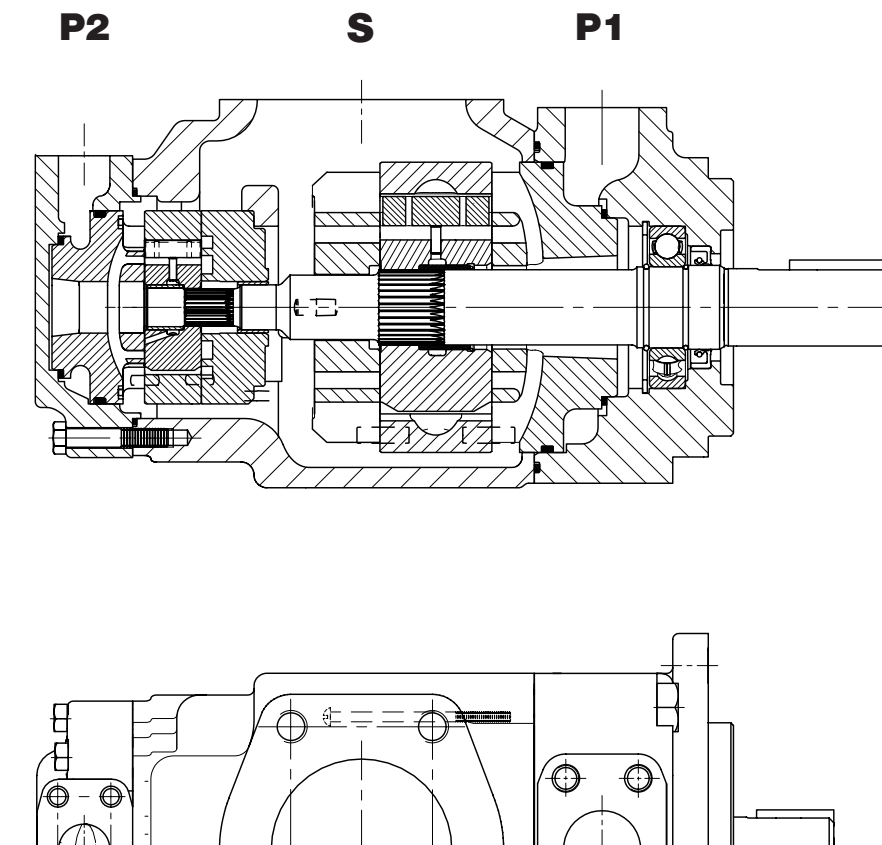
| Seal kit                            | Code N°     |
|-------------------------------------|-------------|
| T7EB - T7EBS - *** - *** - * 1 - ** | S24-10242-0 |
| T7EB - T7EBS - *** - *** - * 4 - ** | S24-10242-4 |
| T7EB - T7EBS - *** - *** - * 5 - ** | S24-10242-5 |

3 Shaft kit



| Shaft kit                                 | Code N°     |
|-------------------------------------------|-------------|
| T7EBS - *** - *** - 1 *** - * - **        | S14-28178-0 |
| T7EBS - *** - *** - 2 *** - * - **        | S24-49213-0 |
| T7EBS - *** - *** - 3 *** - * - **        | S14-28176-0 |
| T7EBS - *** - *** - 4 *** - * - **        | S14-28177-0 |
| T7EB - T7EBS - *** - *** - 5 *** - * - ** | S24-77721-0 |





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Ed. 2016-04-04

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