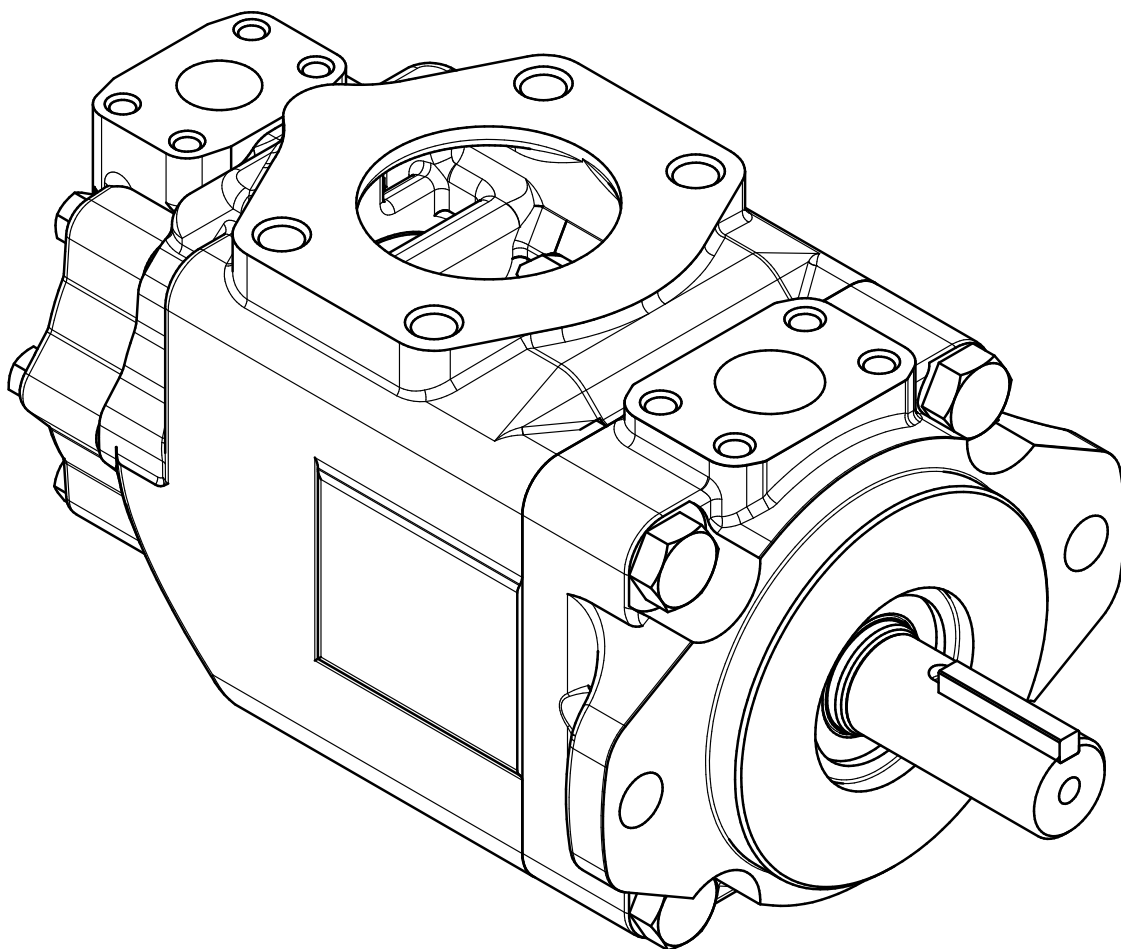




Hydraulic Pumps - Service Information

T7DB - T7DBS

Denison Vane Technology



ENGINEERING YOUR SUCCESS.

Model description**Hydraulic Pumps****T7DB - T7DBS, Denison Vane Pumps****Model No.** T7DB or T7DBS - B42 - B10 - 1 R 00 - A 1 - M1 - ..**T7DB series - 125 A2 HW**

ISO 2 bolts 3019-2 mounting flange

T7DBS series - SAE C 2 bolts

J744 mounting flange

Displacement P1

Volumetric displacement (ml/rev.)

B14 = 44,0 B24 = 81,1 B38 = 120,6
 B17 = 55,0 B28 = 90,0 B42 = 137,5
 B20 = 66,0 B31 = 99,2 045 = 145,7
 B22 = 70,3 B35 = 113,4 050 = 158,0

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 T7DBS

1 = keyed (SAE C)
 2 = keyed (non SAE)
 3 = splined (SAE C) 14 teeth
 4 = splined (spec. SAE C)

Type of shaft T7DB - T7DBS

5 = keyed (ISO 3019-2 - G32 M)

Modifications**Mounting w/connection variables**

4 bolts SAE flange J518

	P1= 1.1/4" - S = 3"			
	Metric thread		UNC thread	
P2	1"	3/4"	1"	3/4"
T7DB	M0	M1		
T7DBS	M0	M1	00	01

Seal class

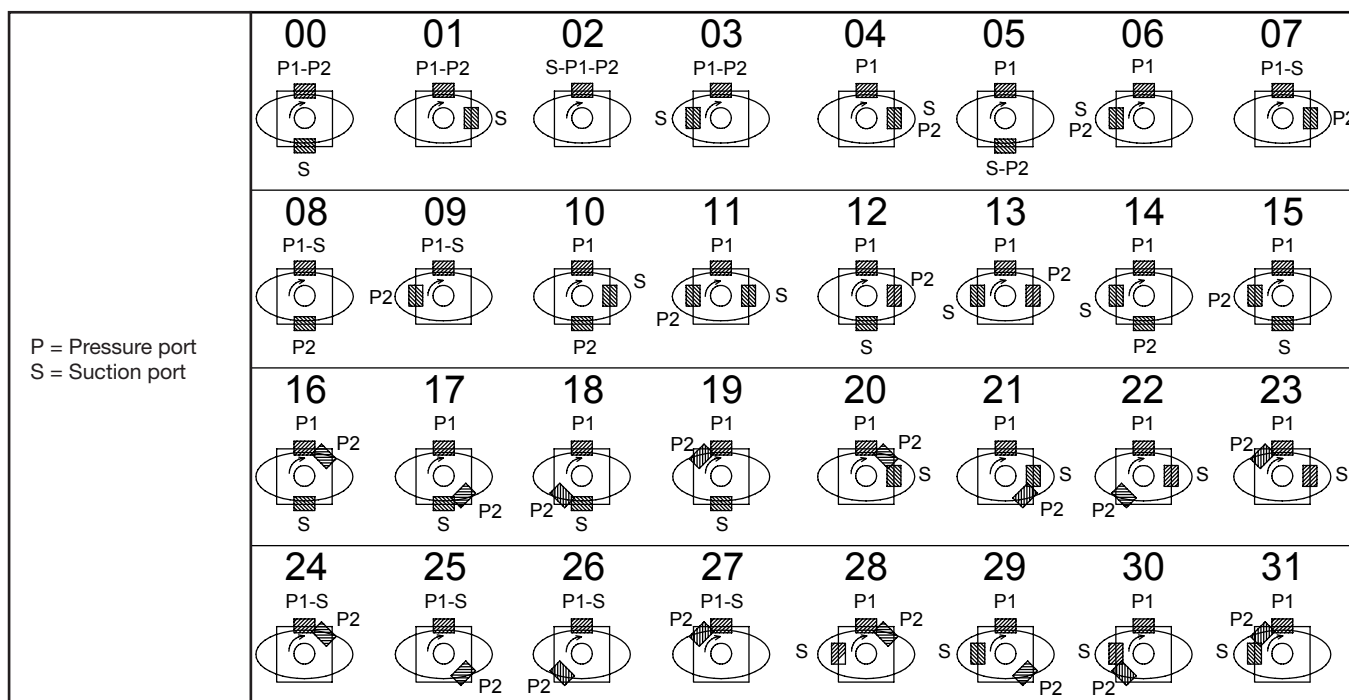
1 = S1 BUNA N - 0,7 bar max. (for mineral oil)
 4 = S4 EPDM - 7 bar max. (for fire resistant fluids)
 5 = S5 VITON® - 7 bar max. (for mineral oil and fire resistant fluids)

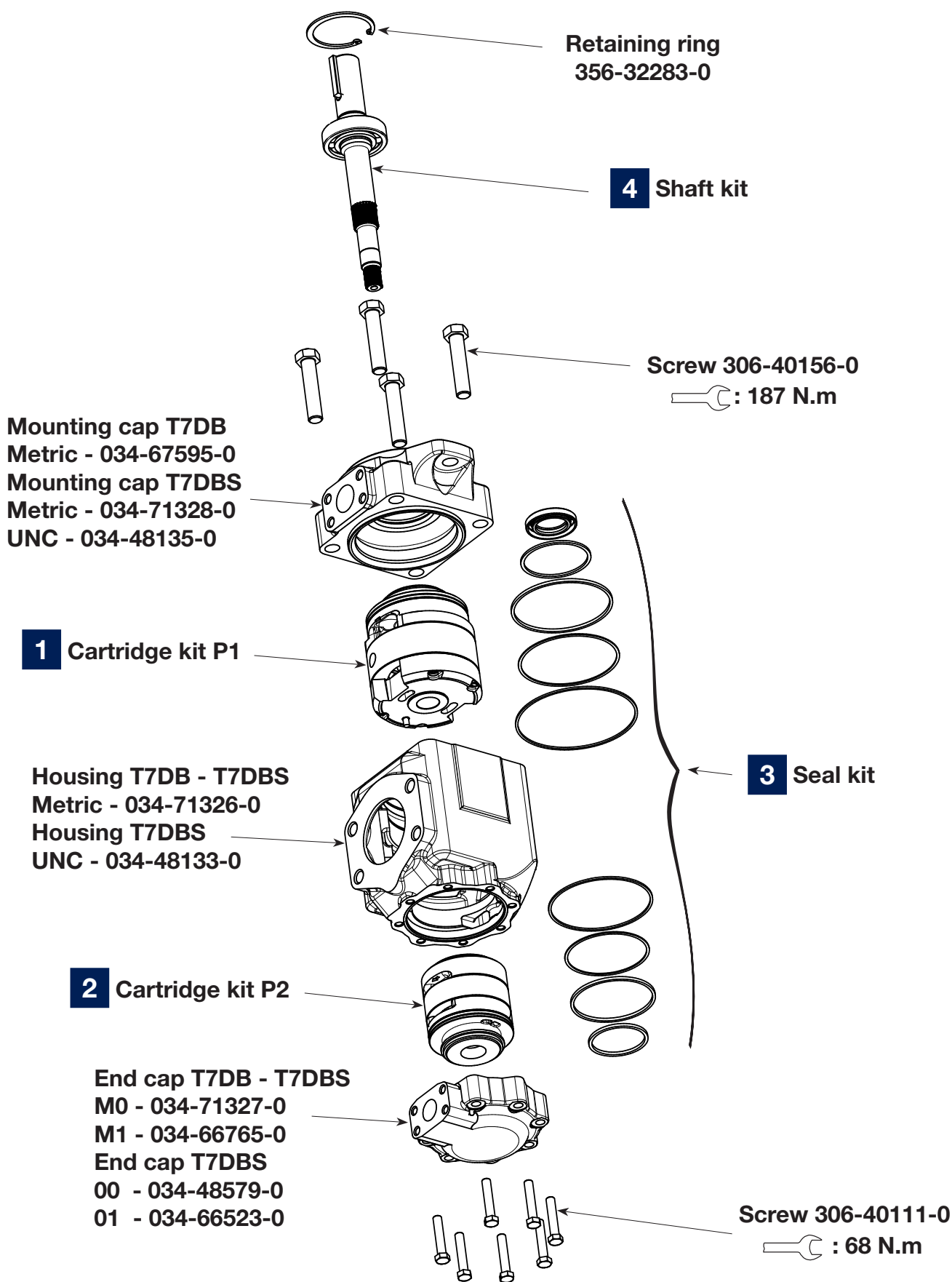
Design letter**Porting combination**

00 = standard

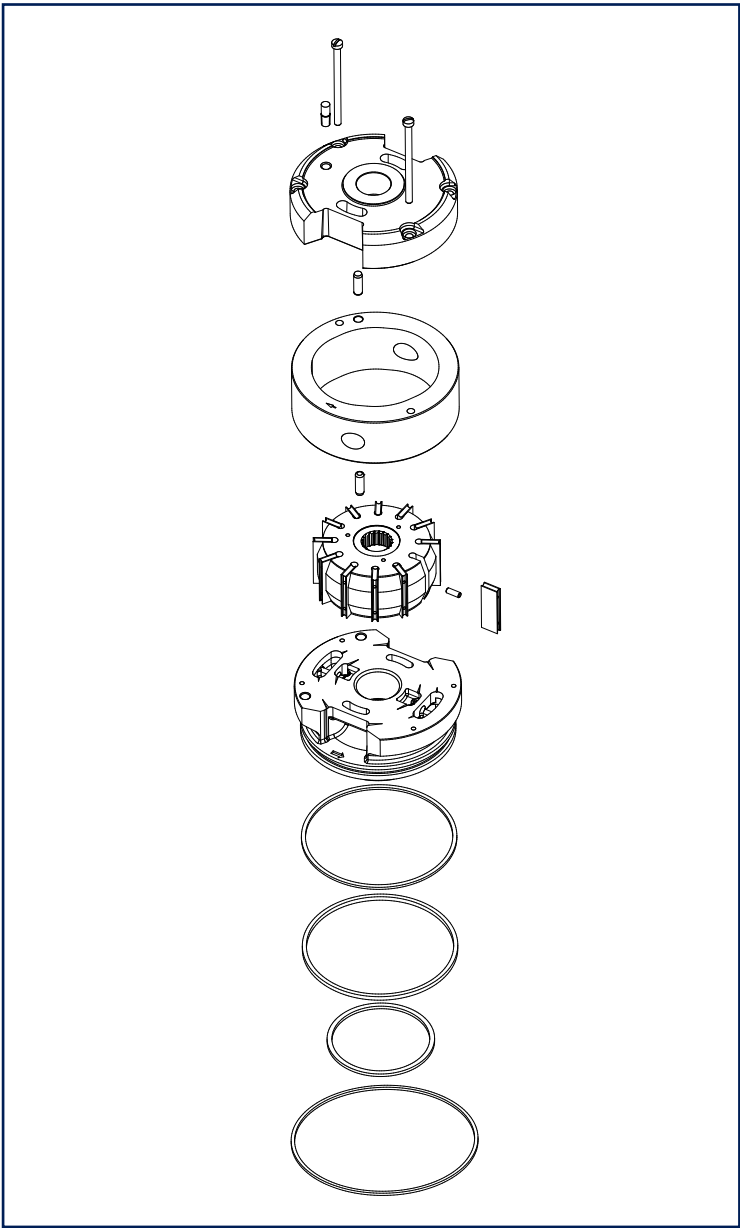
Direction of rotation (shaft end view)

R = Clockwise
 L = Counter-clockwise

Position of the ports



1 Cartrige kit P1 (Preferred)



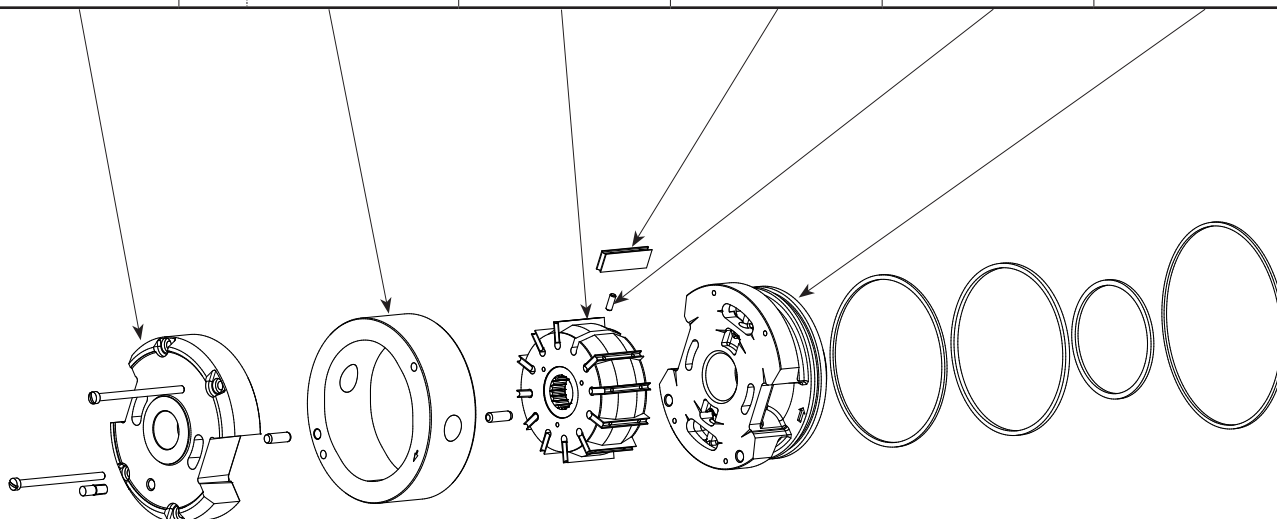
T7DB - T7DBS - B** - B** - * * * * - * * - **

Cartridge kit P1	Code N°	
Displacement	R (CW)	L (CCW)
B14	S24-76963-*	S24-76964-*
B17	S24-76965-*	S24-76966-*
B20	S24-76967-*	S24-76968-*
B22	S24-76969-*	S24-76970-*
B24	S24-76971-*	S24-76972-*
B28	S24-76973-*	S24-76974-*
B31	S24-76975-*	S24-76976-*
B35	S24-76977-*	S24-76978-*
B38	S24-76979-*	S24-76980-*
B42	S24-76981-*	S24-76982-*
045	S24-10859-*	S24-10860-*
050	S24-40236-*	S24-40237-*

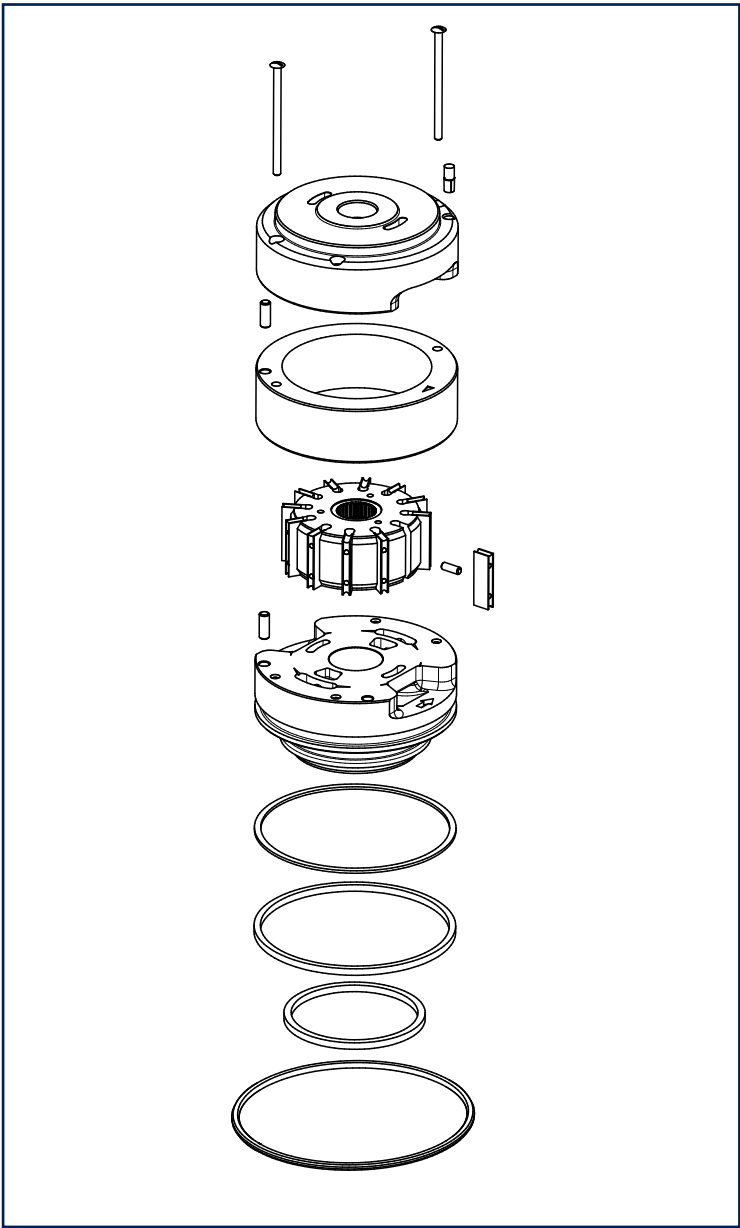
* = 0 = S1 BUNA N
* = 4 = S4 EPDM
* = 5 = S5 VITON®

Cartridge P1 loose items

1 x	1 x		1 x	12 x	12 x	1 x
S24-76916-0	014	034-67469-0	S24-73783-0	034-67453-0	034-59098-0	034-67479-0
	017	034-67470-0				
	020	034-67159-0				
	022	034-67482-0				
	024	034-67158-0				
	028	034-67157-0				
	031	034-67156-0				
	035	034-67155-0				
	038	034-67154-0				
	042	034-67153-0				
CCW - 034-63951-0	045	034-59131-0	S24-10121-0	(x 10) 034-53588-0	(x 10) 034-59130-0	CCW - 034-67113-0 CW - 034-67111-0
CW - 034-63950-0	050	034-66737-0				



1 Cartridge kit P2 (Preferred)



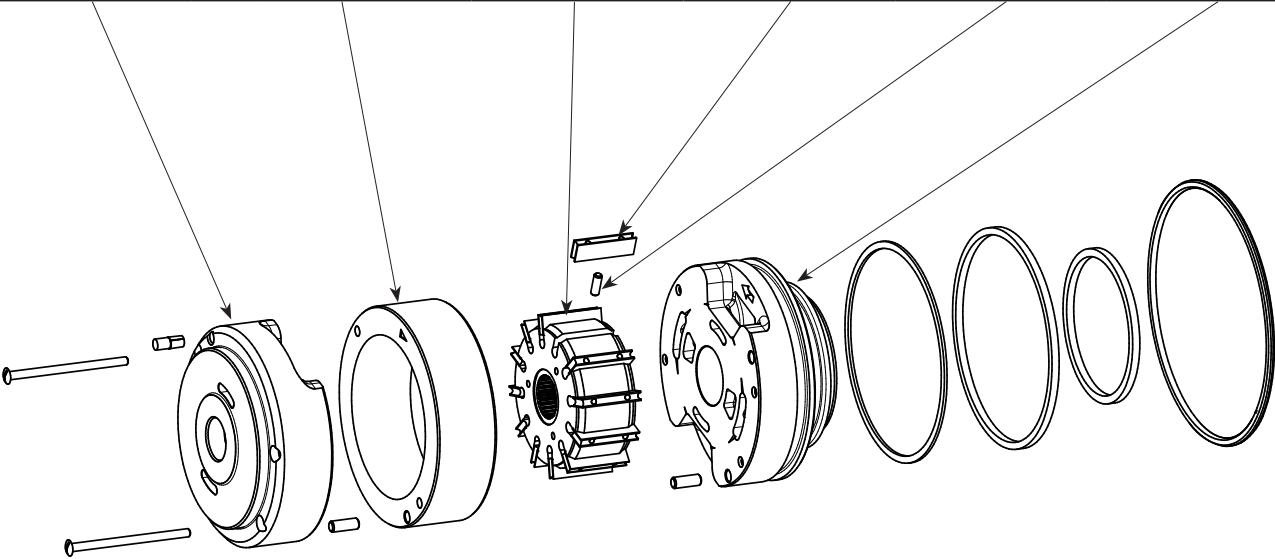
T7DB - T7DBS - B** - B** - * * * * - * * - **

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-*

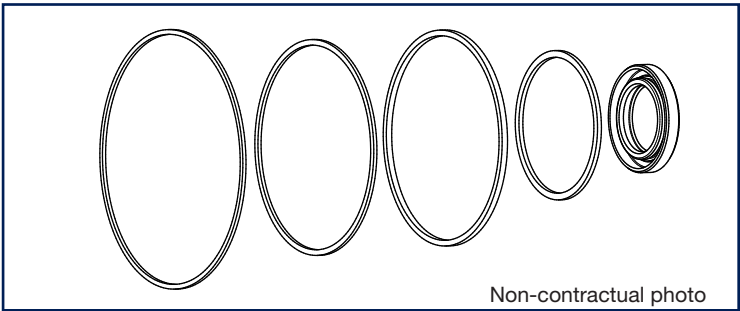
* = 0 = S1 BUNA N
* = 4 = S4 EPDM
* = 5 = S5 VITON®

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				

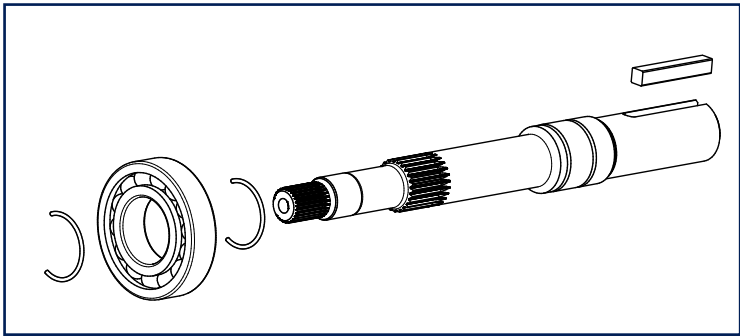


2 Seal kit

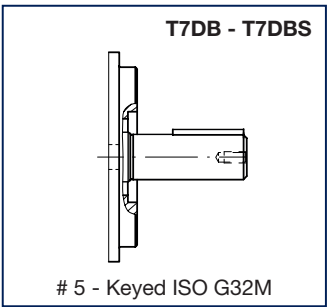
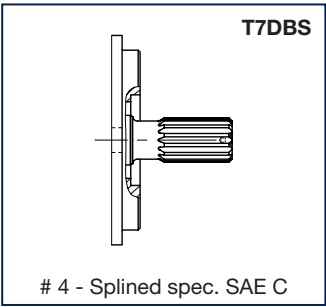
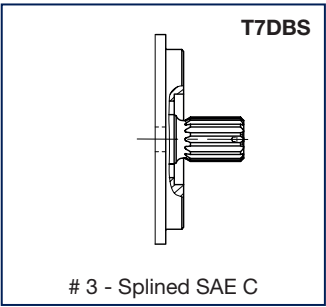
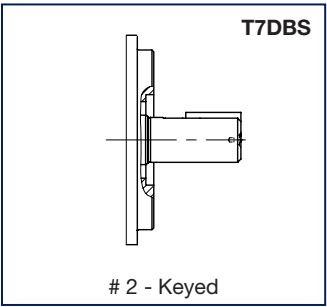
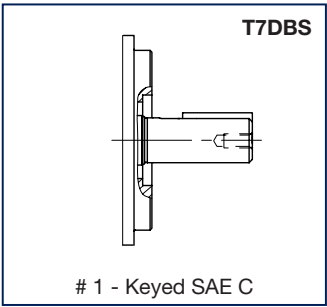


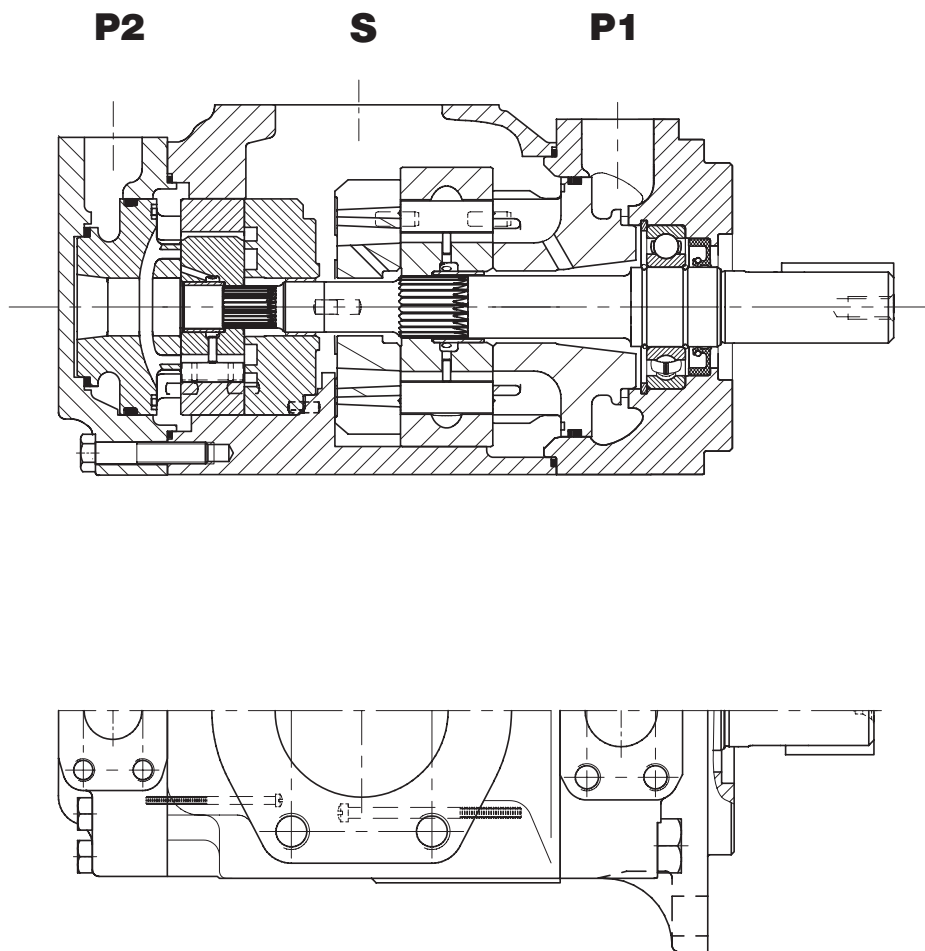
Seal kit	Code N°
T7DB - T7DBS - *** - *** - *** - * 1 - **	S24-10170-0
T7DB - T7DBS - *** - *** - *** - * 4 - **	S24-10170-4
T7DB - T7DBS - *** - *** - *** - * 5 - **	S24-10170-5

3 Shaft kit



Shaft kit	Code N°
T7DBS - *** - *** - 1 *** - * - **	S14-42520-0
T7DBS - *** - *** - 2 *** - * - **	S14-42521-0
T7DBS - *** - *** - 3 *** - * - **	S14-42518-0
T7DBS - *** - *** - 4 *** - * - **	S14-42519-0
T7DB - T7DBS - *** - *** - 5 *** - * - **	S24-45065-0





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