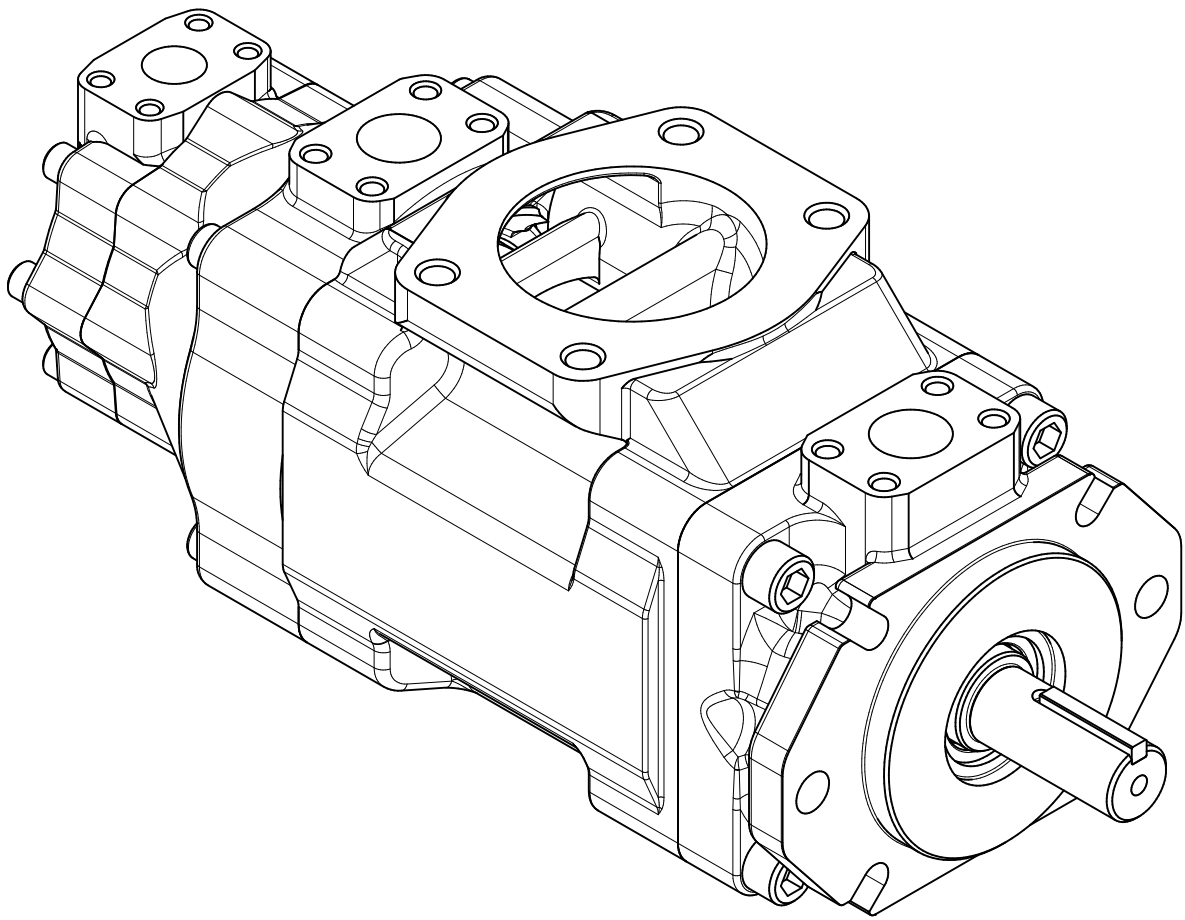




Hydraulic Pumps - Service Information

T7DDB - T7DDBS

Denison Vane Technology



ENGINEERING YOUR SUCCESS.

Model description

Hydraulic Pumps

T7DDB - T7DDBS, Denison Vane Pumps

Model No. **T7DDB or T7DDBS - B50 - B22 - B12 - 1 R 00 - A 1 - M1 - ..****T7DDB series - ISO 6 bolts 3019-2**

Mounting flange 125-A2-HW or 125-B4-HW

T7DDBS series - SAE C 6 bolts

J744 mounting flange

Displacement P1 & P2

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 P3

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 T7DDBS

1 = keyed (SAE C)

2 = keyed (SAE CC)

3 = splined (SAE C) 14 teeth

4 = splined (SAE CC) 17 teeth

Type of shaft T7DDB - T7DDBS

5 = keyed (ISO 3019/2 - G38M)

Modifications**Mounting w/connection variables**

4 bolts SAE flanges J518

P1 & P2 = 1.1/4" - S = 4"		
Type	Metric thread	UNC thread
T7DDB - P3 = 3/4"	M1	
T7DDBS - P3 = 3/4"	M1	01
T7DDB - P3 = 1"	M0	
T7DDBS - P3 = 1"	M0	00

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

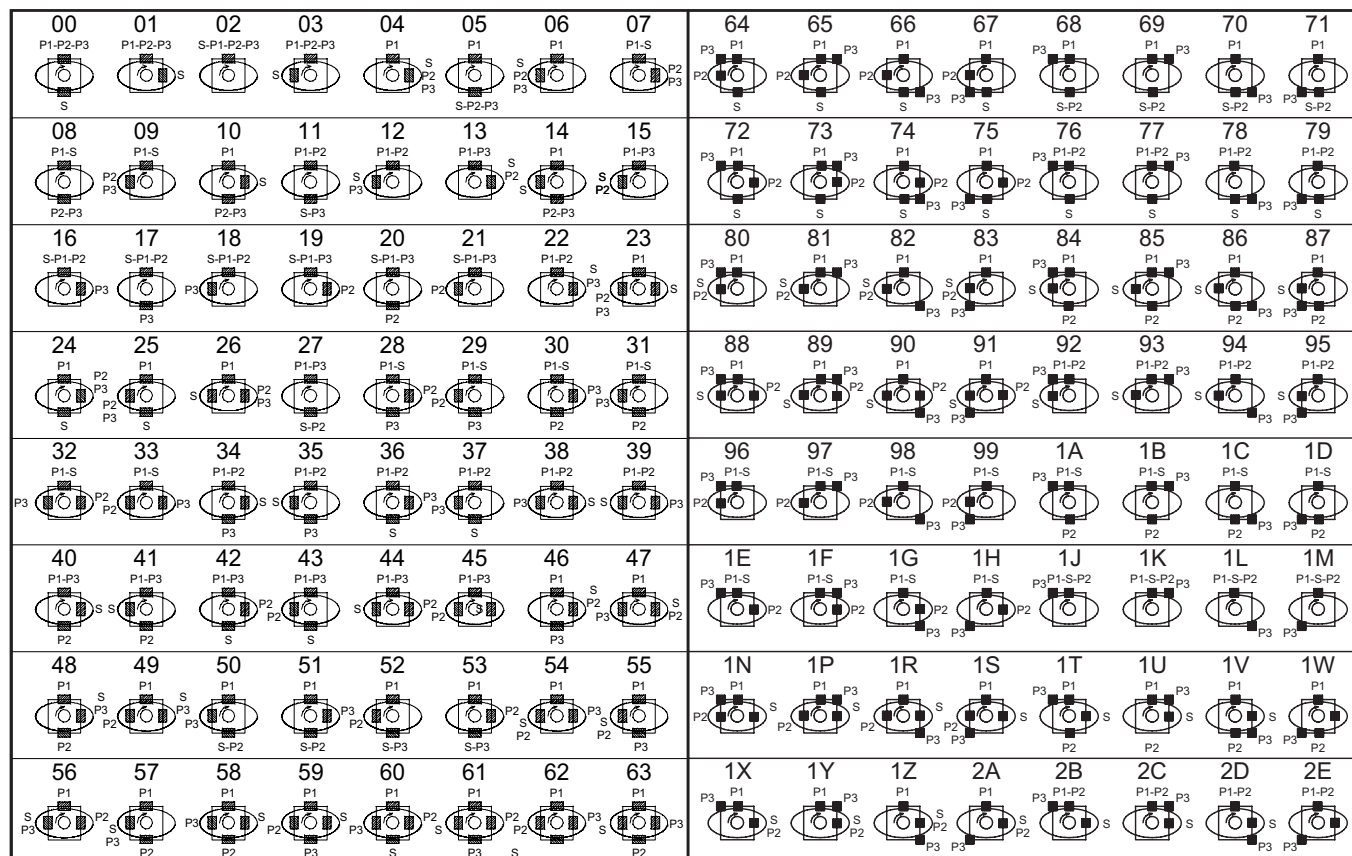
Direction of rotation (shaft end view)

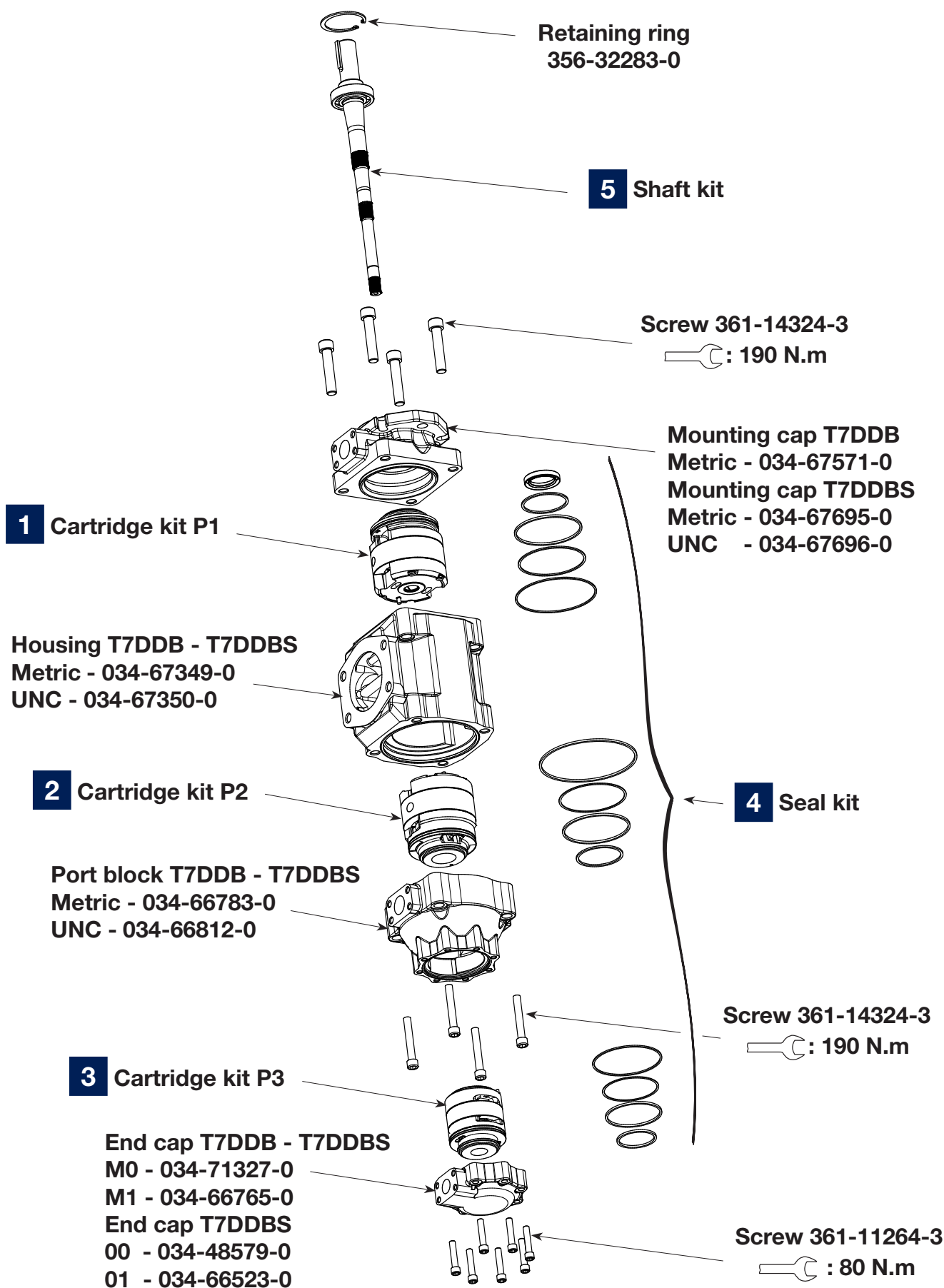
R = Clockwise

L = Counter-clockwise

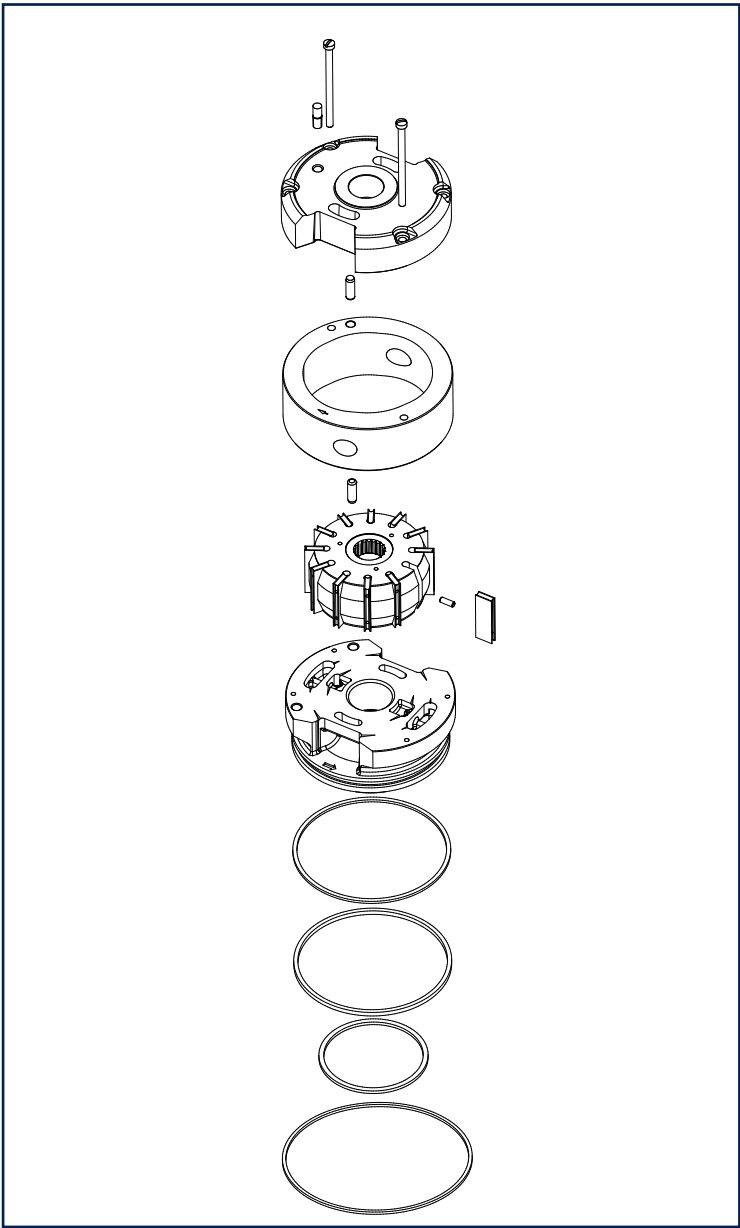
Position of the ports

P = Pressure S = Suction





1 Cartridge kit P1 (Preferred)



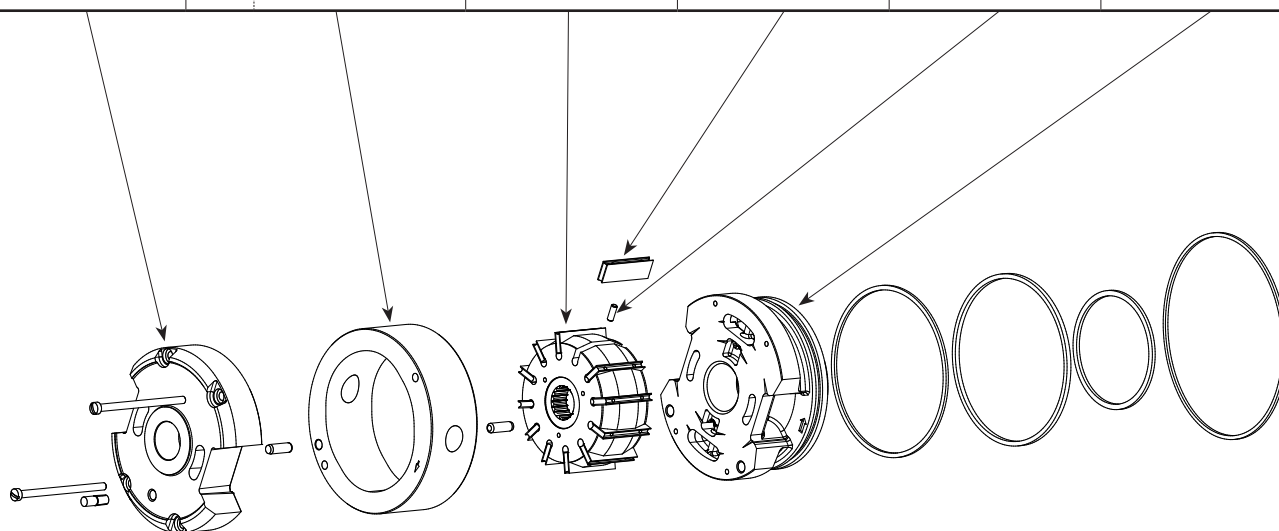
T7DDB - T7DDBS - B** - B** - B** - * * * * - * * - **

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-*

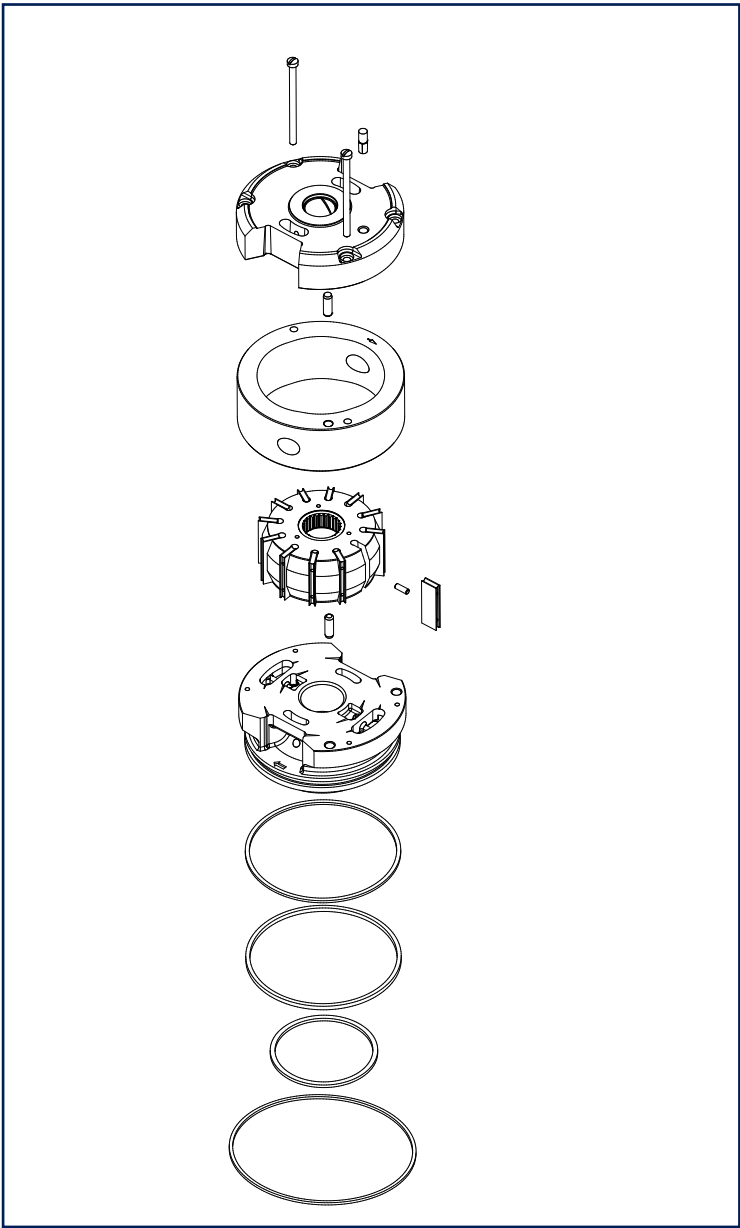
* = 0 = S1 BUNA N
* = 4 = S4 EPDM
* = 5 = S5 VITON®

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 - S24-63951-0 CW - S24-63950-0	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
	050	034-66737-0				



2 Cartridge kit P2 (Preferred)



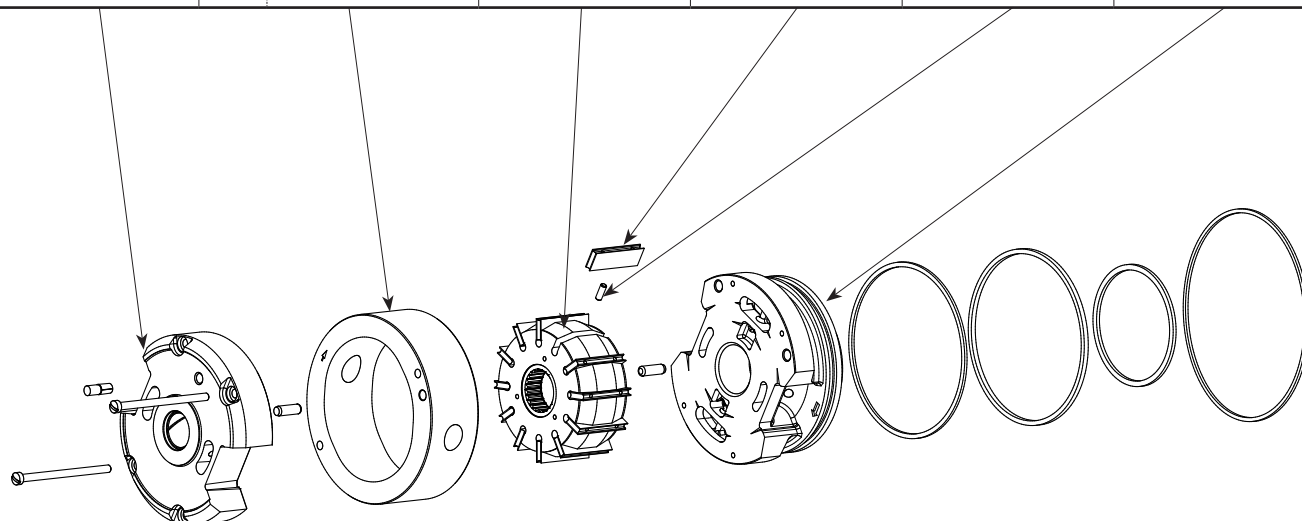
T7DDB - T7DDBS - B** - B** - B** - * * * * - * * - **

Cartridge kit P2	Code N°	
Displacement	R (CW)	L (CCW)
B14	S24-76983-*	S24-76984-*
B17	S24-76985-*	S24-76986-*
B20	S24-76987-*	S24-76988-*
B22	S24-76989-*	S24-76990-*
B24	S24-76991-*	S24-76992-*
B28	S24-76993-*	S24-76994-*
B31	S24-76995-*	S24-76996-*
B35	S24-76997-*	S24-76998-*
B38	S24-76999-*	S24-77000-*
B42	S24-77001-*	S24-77002-*
045	S24-58176-*	S24-58177-*
050	S24-58178-*	S24-58195-*

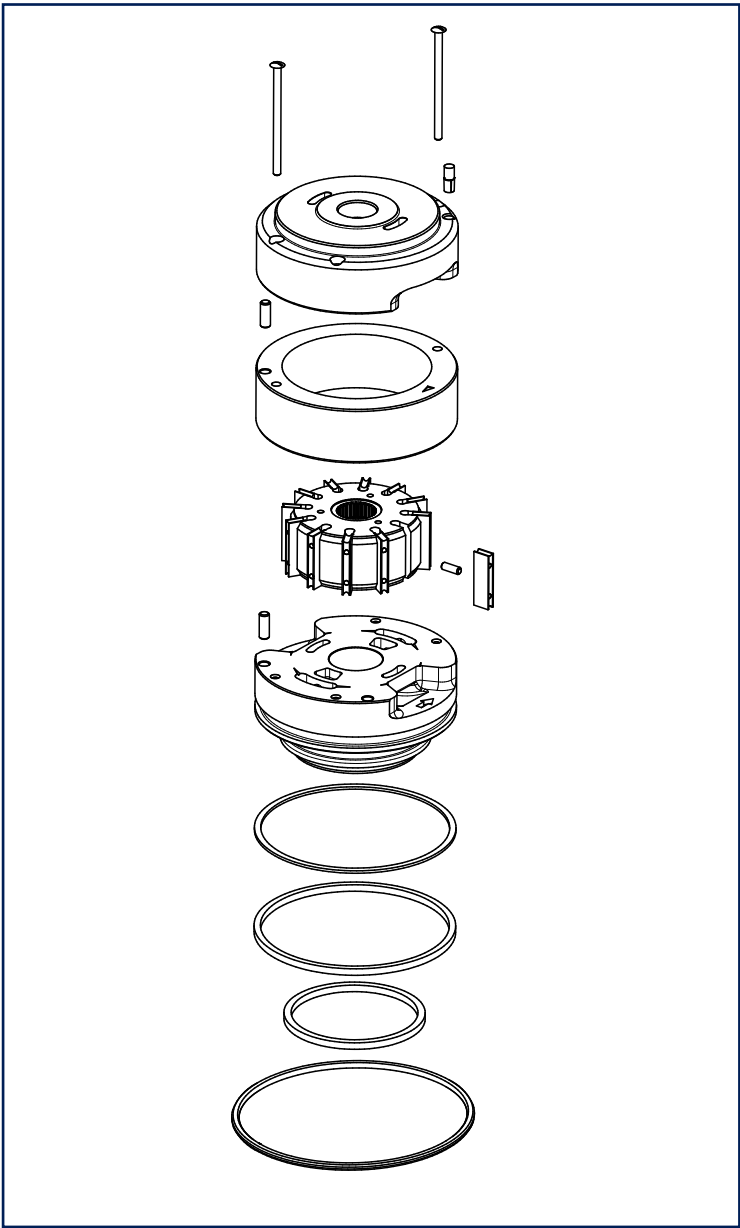
* = 0 = S1 BUNA N
* = 4 = S4 EPDM
* = 5 = S5 VITON®

Cartridge P2 loose items

1 x	1 x		1 x	12 x	12 x	1 x
S24-76916-0	014	034-67469-0	S24-76913-0	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 - S24-63950-0	045	034-59131-0	S24-51350-0	(x 10) 034-53588-0	(x 10) 034-59130-0	CCW - 034-67111-0 CW - 034-67113-0
CW - S24-63951-0	050	034-66737-0				



3 Cartridge kit P3 (Preferred)



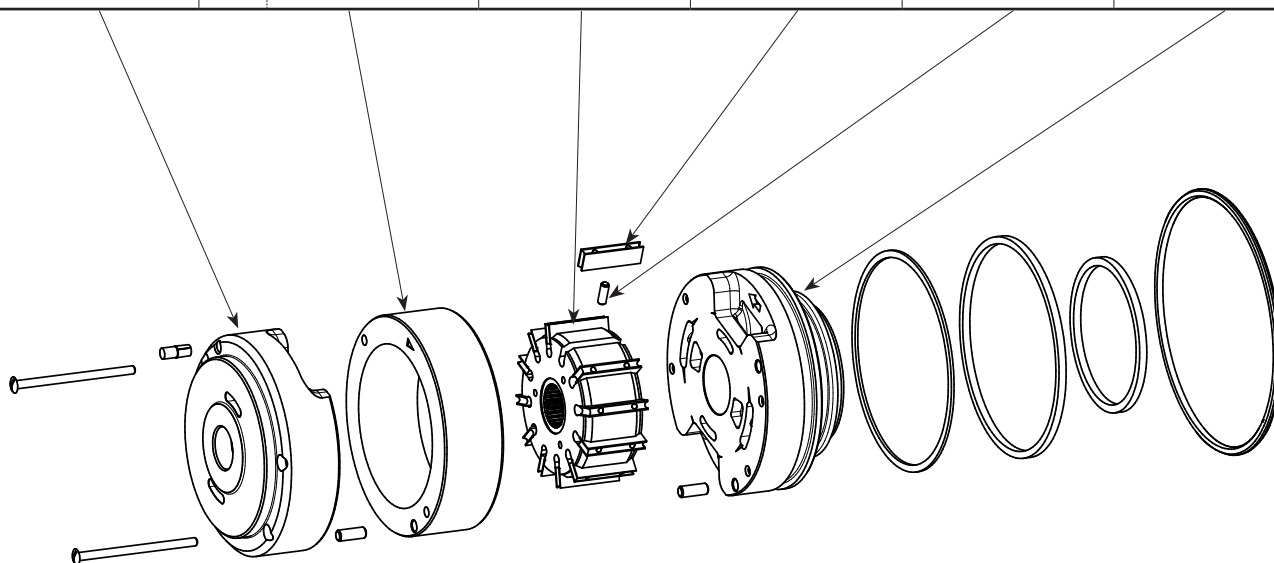
T7DDB - T7DDBS - B** - B** - B** - * * * * - * * - **

Cartridge kit P3	Code N°	
Displacement	R (CW)	L (CCW)
B02	S24-50610-*	S24-50611-*
B03	S24-50612-*	S24-50613-*
B04	S24-50614-*	S24-50615-*
B05	S24-50616-*	S24-50617-*
B06	S24-50618-*	S24-50619-*
B07	S24-59907-*	S24-59908-*
B08	S24-50620-*	S24-50621-*
B09	S24-72910-*	S24-72697-*
B10	S24-50622-*	S24-50623-*
B11	S24-77173-*	S24-76880-*
B12	S24-59009-*	S24-59010-*
B14	S24-77174-*	S24-77176-*
B15	S24-59011-*	S24-59012-*

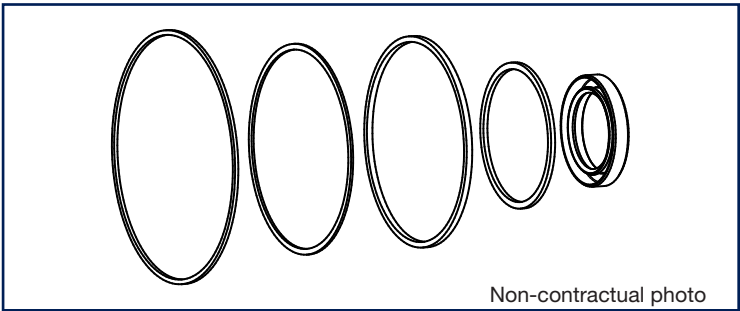
* = 0 = S1 BUNA N
* = 4 = S4 EPDM
* = 5 = S5 VITON®

Cartridge P3 loose items

1 x	1 x		1 x	12 x	12 x	1 x
S24-50642-0	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				

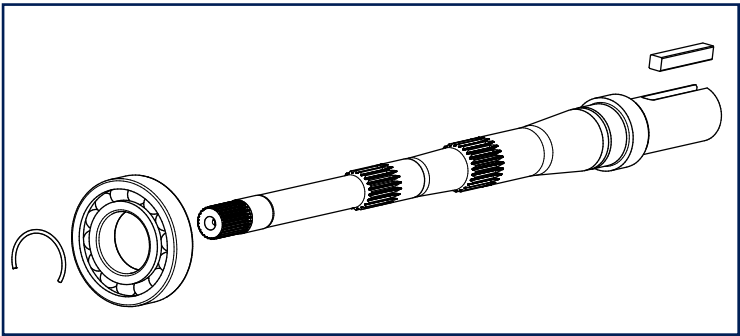


4 Seal kit

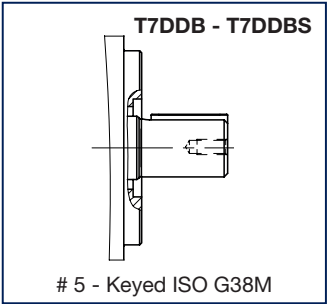
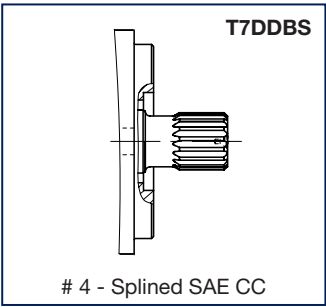
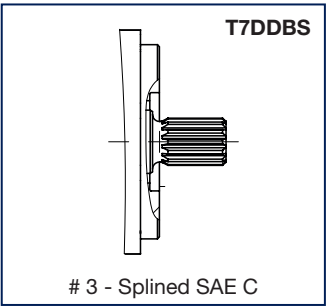
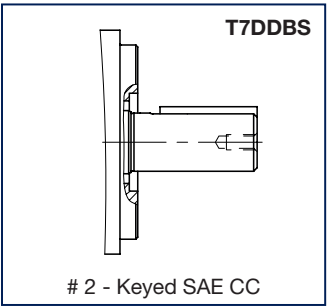
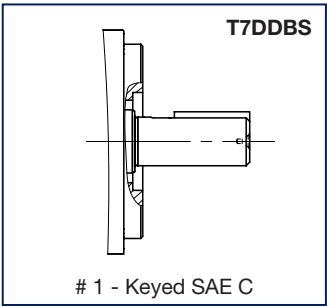


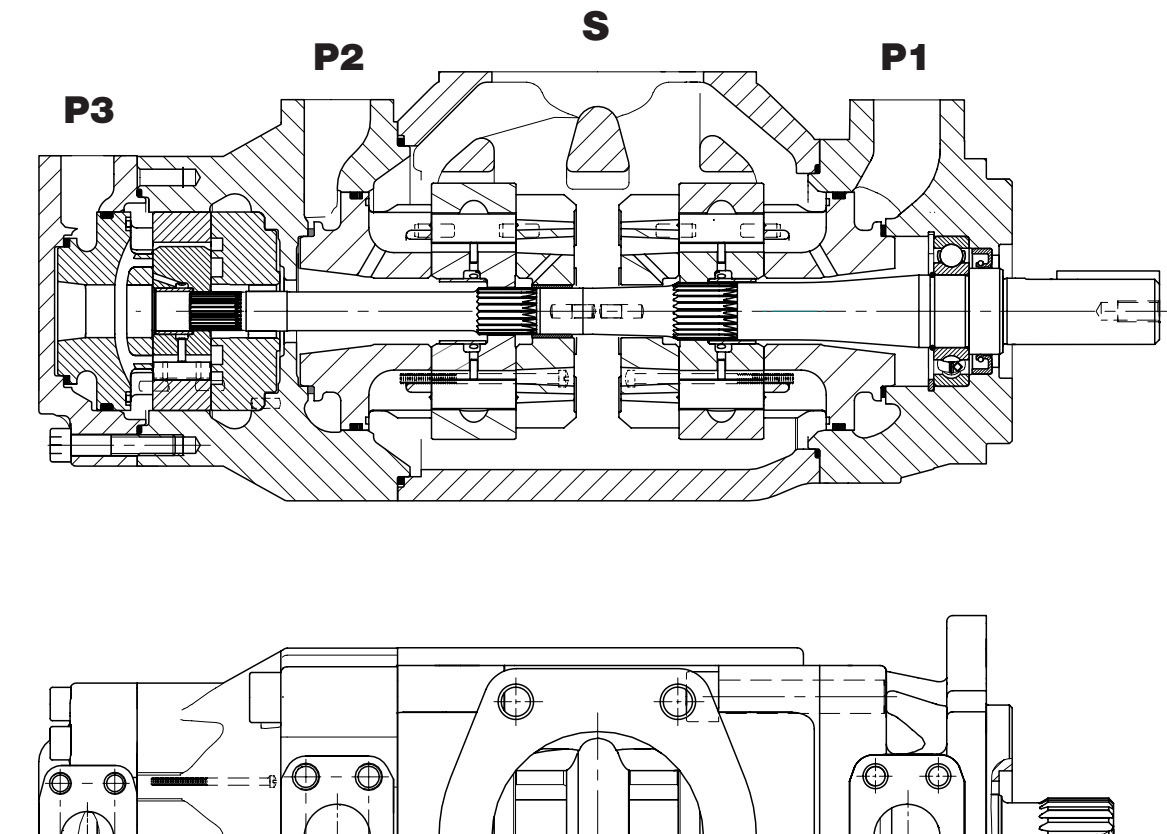
Seal kit	Code N°
T7DDB-T7DDBS - *** - *** - *** - *** - * 1 - **	S24-72357-0
T7DDB-T7DDBS - *** - *** - *** - *** - * 4 - **	S24-72357-4
T7DDB-T7DDBS - *** - *** - *** - *** - * 5 - **	S24-72357-5

5 Shaft kit



Shaft kit	Code N°
T7DDBS - *** - *** - *** - 1 * ** - * - **	S24-72358-0
T7DDBS - *** - *** - *** - 2 * ** - * - **	S24-72359-0
T7DDBS - *** - *** - *** - 3 * ** - * - **	S24-72360-0
T7DDBS - *** - *** - *** - 4 * ** - * - **	S24-72361-0
T7DDB-T7DDBS - *** - *** - *** - 5 * ** - * - **	S24-77004-0





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