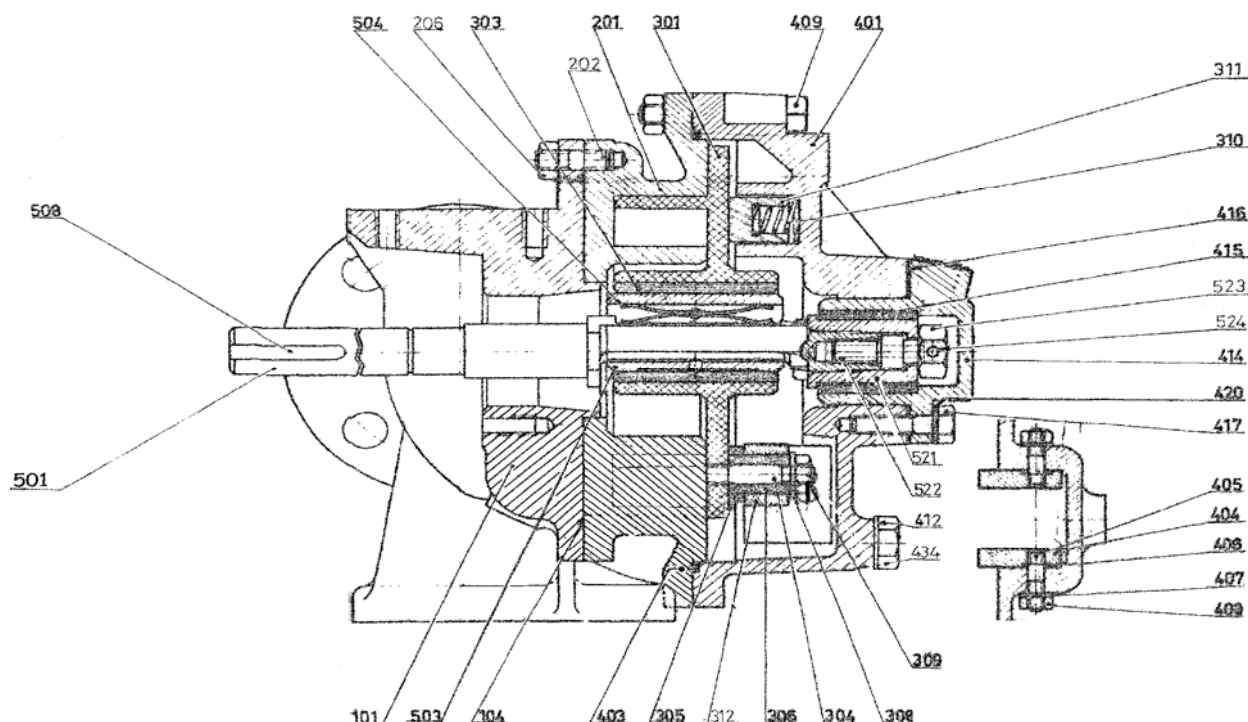


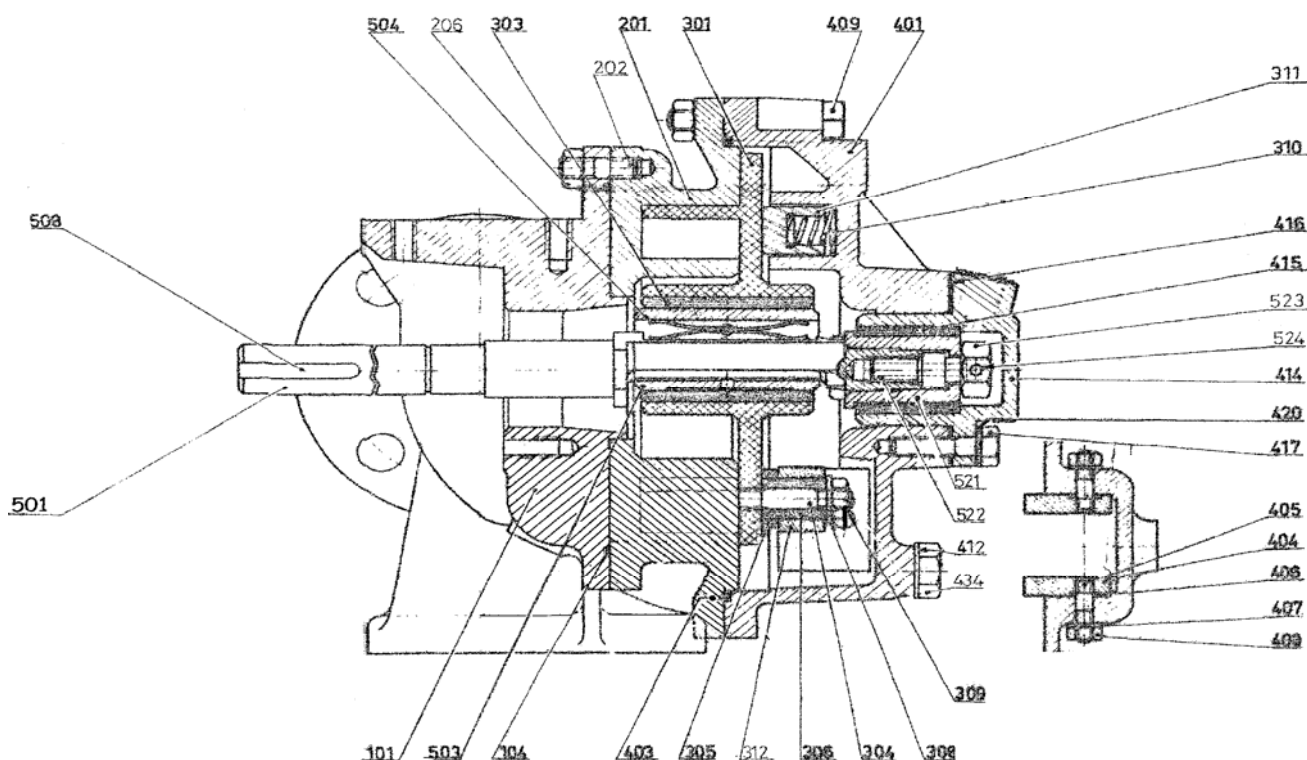
(See Instructions 1003-C00 for Installation, Operation and Maintenance)

Section	1003
Effective	November 2011
Replaces	September 2011



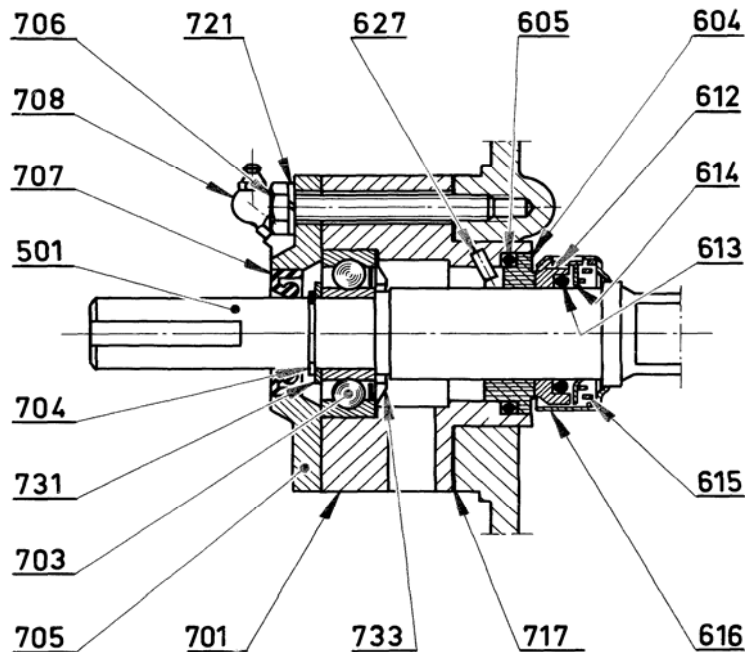
Reference			Description	Quantity		Article code		Wear parts
Ass.	Part	Available		Order	In Pump	AF O	AF I	
98	202 206 409 409a 417 420	◆	Full set of screws Stud Nut Screw Nut Screw Washer	1	(8) (8) (6) (6) (4) (4)	300477.00		
99	104 403 406 407 416 1002	◆ ◆	Full set of seals - FKM Full set of seals - FKM (Heating jacket) Gasket Front cover seal Seal Washer Gasket Seal	1 1	 (1) (1) (2) (2) (1) (1)	300488.00 305184.00		
100	101 817 813 814 815	◆ ◆	Main body, complete Main body Mounting kit Nut Stud Washer	1 1	(1) (2) (2) (2)	300445.00 300446.00 300447.00		
200	201 202 206	◆	Cylinder, complete Cylinder Stud Nut	1	(1) (8) (8)	300448.01 300449.00		•
300 300 300 300	3010 303 303 315 398 305 308 309 307 306 312 313	◆ ◆ ◆ ◆ ▲ ▲ ◆ ◆ ◆	Complete piston - Bronze bushing Complete piston - Carbon bushing Complete piston (drilled) - Bronze bushing Complete piston (drilled) - Carbon bushing Piston + Block pin Piston bushing (bronze) Piston bushing (carbon) Screw (for drilled piston) Slide block, complete Abutment (construction O) Washer Nut Slide block + bushing Bushings Slide block Pin (construction I)	1 1 1 1 1 1 1 1 1 1 1 1 1	 (1) (1) (1) (1) (1) (1) (1) (1)	300451.00 300455.00 308079.00 307667.00 310766.00 310770.00 310767.00 310769.00 201367 211653 305218.00 305219.01 300459.00 300460.01		• • • • • • •

(◆) Sets of parts or (▲) parts available to order.



Reference			Description	Quantity		Article code		Wear parts
Ass.	Part	Available		Order	In Pump	AF O	AF I	
399	310	◆	Guide block, complete	1		300462.00	300463.00	
	311		Spring		(3)			
			Piston rear spring seat		(3)			
400		◆	Complete front cover - FKM	1		300484.00	300485.00	
460		◆	Complete front cover with jacket	1		305181.00	305182.00	
	401		Front cover		(1)			
	461		Jacketed front cover		(1)			
	402	◆	Front bushing set - FKM	1		300486.00	300487.00	•
	402	◆	Front bushing set - FKM with jacket	1		300492.00	305183.00	•
	404		Guide		(2)			
	405		Stud		(2)			
	406		Seal		(2)			
	407		Washer		(2)			
	408		Nut		(2)			
	411	◆	Front cover drain plug + seal	1		300036.00	300037.00	
	412		Seal		(1)			
	434		Drain plug		(1)			
	403	▲	Front cover seal - FKM	1		200834		
413		◆	Front cover bearing complete - Bronze bushing	1		312633.00	312635.00	
413		◆	Front cover bearing complete - Carbon bushing	1		308080.00	308297.00	
	414		Front cover bearing		(1)			
	415	▲	Bearing bushing - Bronze	1		201388		•
	415	▲	Bearing bushing - Carbon	1		211654		•
	416		Gasket		(1)			
	417		Screw		(4)			
	420		Washer		(4)			
500		◆	Shaft Blocdir complete	1		300497.00	300498.00	
	501	▲	Shaft	1		219465	219466	
	503	▲	Piston bearing	1		203509	203510	•
	508	▲	Key	1		203854		
	504	▲	Spring	1		201397		
	515	◆	Complete sleeve	1		300501.00	300502.00	•
	521		Sleeve		(1)			
	522		Screw		(1)			
	523		Nut		(1)			
	524		Pin		(1)			

(◆) Sets of parts or (▲) parts available to order.



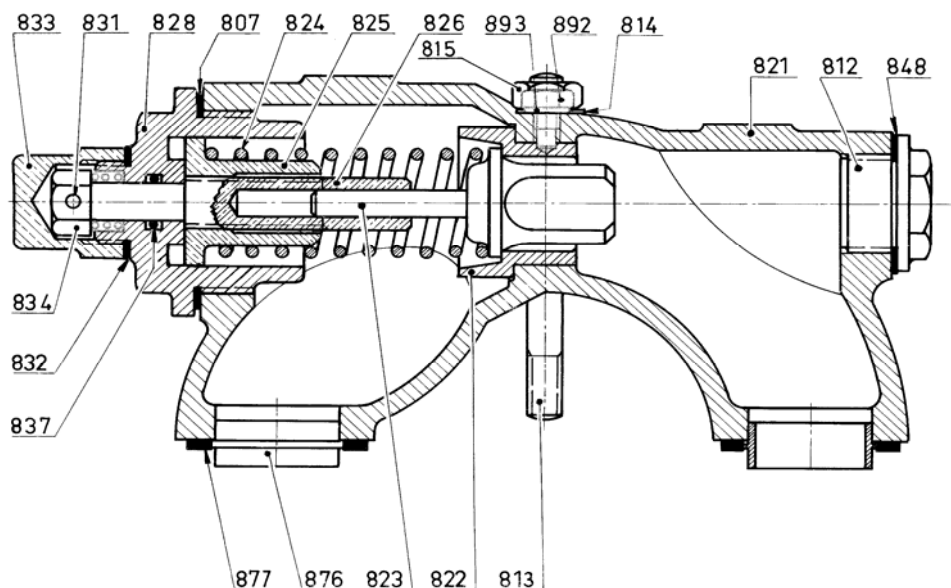
Reference			Description	Quantity		Article code		Wear parts
Ass.	Part	Available		Order	In Pump	AF O	AF I	
600		◆	Mechanical seal - Blocdir C/I VT	1		300373.00		•
600		◆	Mechanical seal - Blocdir C/I CVT	1		307526.00		•
600		◆	Mechanical seal - Blocdir HR VT	1		302946.00		•
600		◆	Mechanical seal - Blocdir HR CVT	1		308198.00		•
	610		Stationary seal face complete - Blocdir		(1)			
	604		Stationary seal face		(1)			
	605		Seal		(1)			
	697		Rotating part - Blocdir		(1)			
	612		Seal housing		(1)			
	613		Seal		(1)			
	614		Spring guide		(1)			
	615		Spring		(1)			
	616		Cage		(1)			
	619		Seal mounting tool (for CVT)		(1)			
700		◆	Ball bearings complete	1		300503.00 300504.00		
	627	▲	Pin	1		200139		
	701		Bearing cage		(1)			
	703	▲	Ball bearing	1		212314		•
	705		Bearing cover		(1)			
	706		Screw		(4)			
	708		Grease nipple		(1)			
	721		Washer		(4)			
	797	◆	Ball bearing washers and gasket set	1		300505.00 300506.00		
	704		Ring		(1)			
	707		Lip seal		(1)			
	717		Cage seal		(1)			
	731		Washer		(2)			
	733		Protection circlip		(1)			

CVT : FEP encapsulated FKM

Mechanical seal :

C/I : Carbon/stainless - HR : Tungsten carbide/tungsten carbide

(◆) Sets of parts or (▲) parts available to order.



Reference			Description	Quantity		Article code		Wear parts
Ass.	Part	Available		Order	In Pump	AF O	AF I	
820		◆	Bypass C/3 complete - FKM	1		302508.00	308581.00	
820		◆	Bypass C/4 complete - FKM	1		306232.00	308585.00	
	870	◆	Bypass body complete	1		300559.00	300560.00	
	812		Plug		(1)			
	821		Bypass body		(1)			
	848		Seal		(1)			
	871		Plug		(2)			
	872		Seal		(2)			
	824	▲	Spring n°3	1		201182		
	824	▲	Spring n°4	1		201183		
	868	◆	Seat (construction I)			300562.00		
	822		Seat		(1)			
	892		Seal		(1)			
	893		Screw		(1)			
	869	◆	Bypass cap and gasket	1		300541.00		
	832		Seal		(1)			
	833		Cap		(1)			
	878	◆	Centering set	1		300539.00	300540.00	
	876		Centering piece		(2)			
	877		Centering gasket		(2)			
	897	◆	Adjusting screw/valve set - FKM	1		302506.00	306997.00	•
	807		Seal		(1)			
	825		Spring guide		(1)			
	826		Adjusting screw		(1)			
	828		Nut		(1)			
	829		Spring		(1)			
	831		Pin		(1)			
	834		Adjustment nut		(1)			
	837		Seal		(1)			
	823	▲	Compensated valve	1		201447		
	899	◆	Bypass gasket set - FKM	1		303248.00		
	807		Seal		(1)			
	829		Spring		(1)			
	831		Pin		(1)			
	832		Seal		(1)			
	837		Seal		(1)			
	846		Seal		(1)			
	848		Seal		(1)			
	877		Centering gasket		(2)			

(◆) Sets of parts or (▲) parts available to order.

Reference			Description	Quantity		Article code		Wear parts
Ass.	Part	Available		Order	In Pump	AF O	AF I	
VARIATIONS								
			COMPLETE COMPENSATED DOUBLE BYPASS					
			The body is different to the standard compensated bypass. The other parts are the same but doubled					
820a		◆	Double bypass C/3 complete - FKM	1		306942.00	308597.00	
820a		◆	Double bypass C/4 complete - FKM	1		306945.00	306996.00	
	870a		Double bypass body complete	1		300569.00	300570.00	
	821a	◆	Double bypass body		(1)			
849		◆	Complete stirrup	1		301647.01		
	852		Stirrup		(1)			
	853		Stud or Screw		(2)			
	854		Plug		(2)			
	855		Seal		(2)			
To mount a bypass in place of a stirrup will require :								
	817	◆	Mounting kit	1		300447.00		
	813		Nut		(2)			
	814		Stud		(2)			
	815		Washer		(2)			

(◆) Sets of parts or (▲) parts available to order.

Keep this parts lists with Installation, Operation and Maintenance Instructions.

To order the required spare parts, indicate the appropriate CUM numbers.



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