

SIZE	MODEL
1/2"	905S
3/4"	907S
1"	910S
1 1/4"	912S
1 1/2"	915S
2"	920S
2 1/2"	925S
3"	930S
4"	940S
5"	950S

**STYLE 20**



**STYLE 50**



**STYLE 30/40**



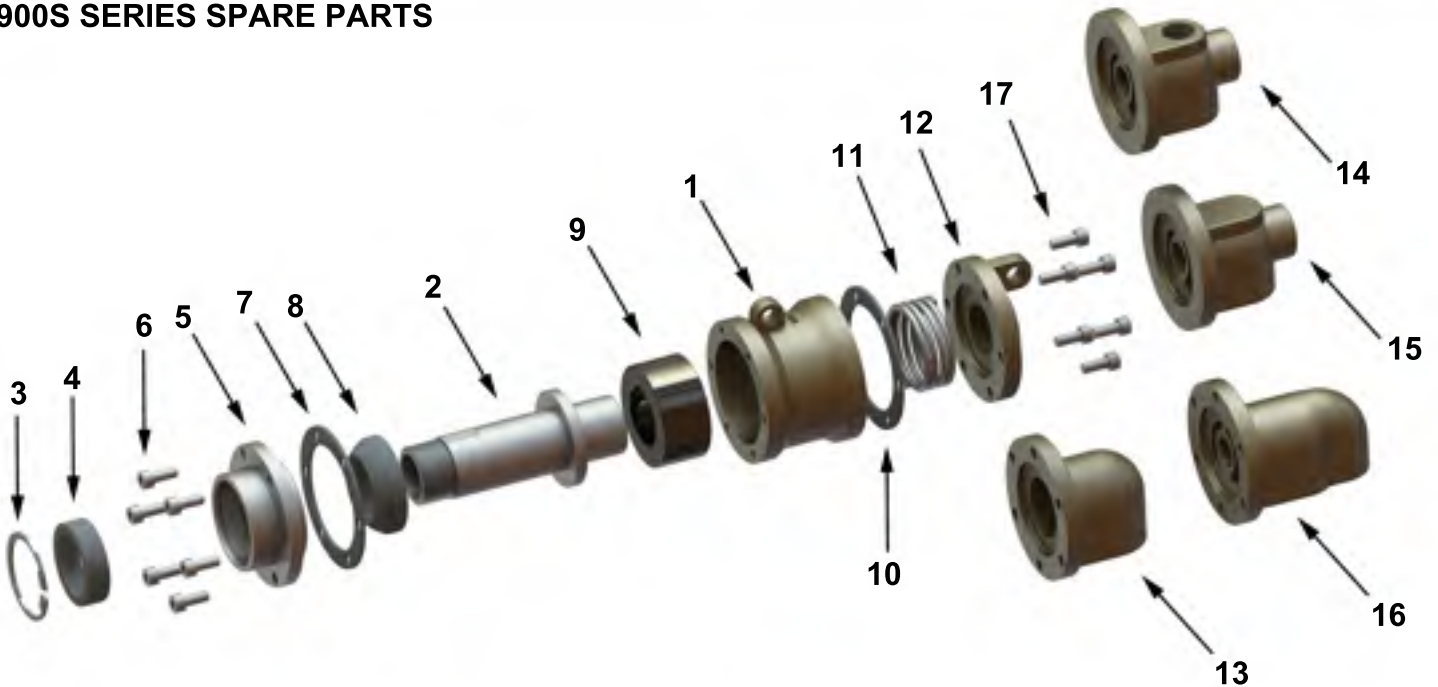
**STYLE 60**



### WARNING

Unless specified; ROTOFLUID rotary joints must not be used with Hydrocarbons or Flammable Mediums. Leaking may result explosion or fire.

### 900S SERIES SPARE PARTS



NO	PART NAME	QTY
1	900S HOUSING	1
2	900S SHAFT	1
3	INT. RETAINING RING	1
4	FRONT GRAPHITE BEARING	1
5	HOUSING FLANGE	1
6	BOLTS	n
7	FLANGE GASKET	1
8	SEAL RING	1
9	GRAPHITE BEARING	1

NO	PART NAME	QTY
10	FLANGE GASKET	1
11	SPRING	1
12	END CAP - STYLE 20	1
13	END CAP - STYLE 30	1
14	END CAP - STYLE 40	1
15	END CAP - STYLE 50	1
16	END CAP - STYLE 60	1
17	BOLT	n

n: changes according to sizes



## 900S SERIES DISASSEMBLY & MAINTENANCE INSTRUCTIONS



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Rev No: 0

- All ROTOFLUID products are leakage tested before shipment. Disassembling or dismantling invalidates the warranty.
- Operator should not make any modification or attachments and retrofitting of the rotary joint without manufacturers' consent is forbidden.
- ROTOFLUID Rotary Joints may only be installed by personnel who have experience and knowledge about rotary joints and plumbing systems.
- For safe operation only use genuine ROTOFLUID parts.
- For safe operation only use hoses which are appropriate for the media.
- Follow engineering specifications of the machine builder.

- 1- Before disassembling the joint from the machine, close inlet and outlet valves and wait for all the medium to be drained completely. Be sure that there is no pressure and no residual pressure is applied to the pipe line system of the machine.
- 2- If hot medium is used, wait until all the system to be cooled down to normal temperature.
- 3- Disconnect inlet and outlet hoses from the supply and return pipes or valves.
- 4- Disassemble shaft from the machine with appropriate tool.
- 5- If dual flow is used, be careful not to damage the internal siphon pipe when separating the dual flow joint from the machine.
- 6- Hold the housing(1) of the joint with a bench vice and take out the inlet and outlet hoses.
- 7- If dual flow is used, pay attention not to damage internal parts when taking out siphon pipe.
- 8- Be careful not to damage the housing while holding it with the bench vice.
- 9- Prepare a clean place on the table where planned to make the maintenance.
- 10- Place the joint on the table onto the housing flange(5) as shown on Fig.1.
- 11- Control visually if there is any damage or defects.
- 12- Do not forget that there is spring(11) inside the joint. All internal parts may pop out from the housing because of the force of the spring.
- 13- Remove hex bolts(17) from the end cap. Before last two bolts, hold the end cap(12/13/14/15/16) from the outer side and press slightly to the housing.
- 14- Remove last 2 bolts while holding the end cap. Internal parts will come out of the housing.
- 15- Separate end cap from the housing and place it on the table.
- 16- Take out spring(11), graphite bearing(9), shaft (2) and seal ring(8) from the housing.
- 17- Rotate housing upside down and place it on the table.
- 18- Separate the internal retaining ring(3) with appropriate snap ring pliers.
- 19- Take out the front graphite bearing(4) from the housing flange.
- 20- Remove bolts(6) from the front housing flange(5) and separate housing flange from the housing.
- 21- Clean all internal surfaces of the housing, check for corrosion and deformation. If bearing surfaces are damaged, change the housing with new one.
- 22- Place the joint on the table onto the backside of the housing.

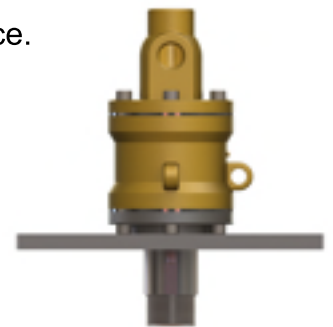


FIG 1



## 900S SERIES DISASSEMBLY & MAINTENANCE INSTRUCTIONS



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- 23- Place a new housing gasket(7) on the housing.
- 24- Clean front housing flange(5) and inspect for deformation; if sealing surface is damaged replace it with new one.
- 25- Place the front housing flange(5) onto the housing gasket(7). Concave surface of the housing flange must face inside.
- 26- Align bolt holes of the front housing flange(5), housing gasket(7) and housing(1); fix the housing flange with appropriate bolts (6).
- 27- Assemble a new front graphite bearing(4) into the socket of the end cap and fix it with retaining ring(3).
- 28- Rotate housing upside down and place it on the table as shown Fig. 1.
- 29- Place a new seal ring(8) inside the housing; convex face of the seal ring facing concave surface of the housing flange.
- 30- Clean shaft(2) and inspect for corrosion and deformation. If sealing surfaces are damaged replace it with new one.
- 31- Hold the shaft from the bearing side and place it carefully inside the housing onto the seal ring(8).
- 32- Assemble a new graphite bearing(9) inside the housing onto the shaft while spring groove facing upwards.
- 33- Clean spring(11) and inspect for corrosion and deformation, if necessary replace it with a new one.
- 34- Place the spring onto the graphite bearing socket.
- 35- Place a new housing gasket(10) onto the housing.
- 36- Align socket on the end cap(12/13/14/15/16) and spring(11); place end cap onto the spring.
- 37- Align bolt holes of the end cap with bolt holes of the housing and housing gasket. Push end cap to the housing.
- 38- Fix the end cap to the housing with appropriate bolts(17).
- 39- For styles 30-40-50; be careful to align inlet & outlet of the end cap to the anti rotation lug of the housing by 180°.
- 40- Hold the housing of the joint with a bench vise.
- 41- If dual flow is used; place the siphon pipe inside the shaft and assemble it to the end cap.
- 42- Assemble inlet and outlet hoses to the end cap.
- 43- Assemble the joint to the machine roll. Control rotation of the joint; if any eccentricity seems, disassemble it and assemble it again.
- 44- Assemble inlet and outlet hoses to the supply and return pipes or valves.
- 45- Install anti rotation rod into one of the holes on the lugs on the housing. Never tie more than 2 joints with a single rod. Fix the rod to one the holes of the joints and leave the rod to float on the other end.
- 46- Now the joint is ready for work.