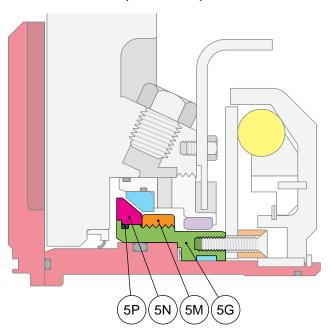


#### DryLock® 2 Assembly for A9 Pumps Version 2.2

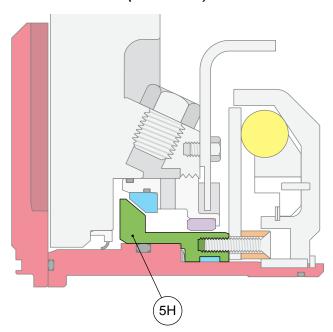
#### \*\*DryLock® II Product Update\*\*

The latest update builds upon the reliable features and benefits of the base DryLock® 2 system in use since 2011 but now with reduced parts. We have designed a new unitized rotary seal sleeve (5H) that replaces four prior components: rotary seal ring (5N), seal sleeve (5G), locknut (5M), and rotary seal o-ring (5P). The new unitized rotary seal sleeve reduces cost, complexity and assembly time over the previous iteration and is fully interchangeable with all versions of the DryLock® 2 Static Seal.

# 4 Piece Rotary Seal Sleeve (Version 2.1)

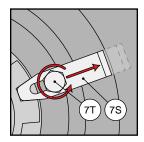


## 1 Piece Rotary Seal Sleeve (Version 2.2)

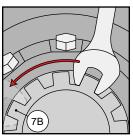


### **Setting the Seal Clearance**

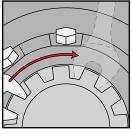
Seal clearance MUST be set after the assembly has been installed in the pump



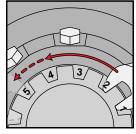
Loosen posi-lock bolt (7T) Disengage posi-lock pin (7S)



Loosen seal cartridge (7B) minimum 1 visible thread

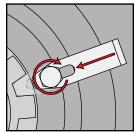


\*Set impeller clearance\*
Tighten seal cartridge (7B)
until it bottoms out



Loosen seal cartridge (7B) to set seal clearance

4 full tabs (frames 1-2) 5 full tabs (frames 3-5)

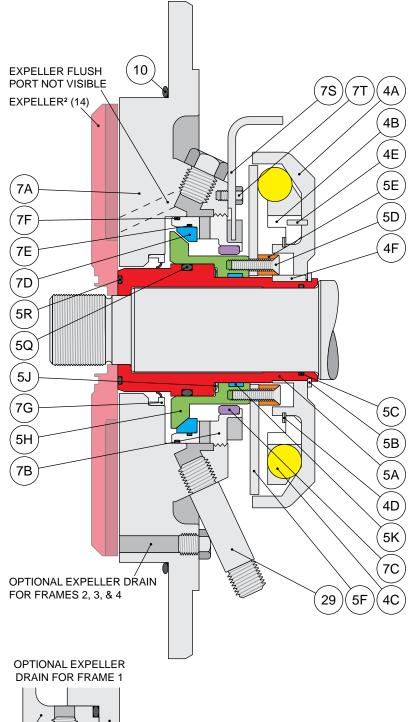


Reengage posi-lock pin (7S) Tighten posi-lock bolt (7T)

Refer to the A9 operating manual for complete instructions



### DryLock® 2 Assembly for A9 Pumps Version 2.2, All Frames



CAŚE PLATE

(11)

SÉAL

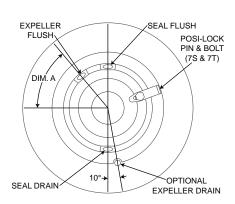
HOUSING (7A)

ITEM NO.	QTY.	DESCRIPTION	
4A	1	BALL HOUSING	
4B	1	BALL RETAINER	
4C	3-18	BALLS	
4D	1	RETAINING RING	
4E	1	SPRING PIN	
4F	1	KEY	
5A	1	SHAFT SLEEVE	
5B	1	RETAINING RING	
5C1	1	O'RING, SHAFT SLEEVE	
5D	4	DRIVE SCREW	
5E	4	DRIVE SCREW SLEEVE	
5F	1	ACTUATOR PLATE	
5H	1	ROTARY SEAL SLEEVE	
5J	1	WAVE SPRING	
5K¹	1	SLIDE RING	
5Q <sup>1</sup>	1	O-RING, SEAL SLEEVE	
5R <sup>1</sup>	2	O-RING, EXPELLER	
7A	1	SEAL HOUSING	
7B	1	SEAL CARTRIDGE	
7C	1	DISASTER BUSHING	
7D1	1	STATIONARY SEAL RING	
7E1	1	O-RING, STATIONARY SEAL RING	
7F1	1	O-RING, CARTRIDGE	
7G <sup>1</sup>	1	VARILIP	
7S	1	POSI-LOCK PIN	
7T	1	POSI-LOCK BOLT	
10¹	1	O-RING, SEAL HOUSING	
29	1	DRAIN SPOUT	

DRAWING IS NOT TO SCALE AND REPRESENTS ONLY THE GENERAL ARRANGEMENT OF PARTS

#### <sup>1</sup> RECOMMENDED SPARE PARTS

<sup>2</sup> EXPELLER NEEDS TO BE ORDERED IN ADDITION TO THE DRYLOCK® II ASSEMBLY



	DIM. A	STANDARD PORTS	OPTIONAL EXPELLER DRAIN
FRAME 1	30°	3/8" NPT	1/4" NPT
FRAME 2 - 8"	50°	3/8" NPT	1/8" NPT
FRAME 2 - 10"	50°	3/8" NPT	1/4" NPT
FRAME 3	15°	1/2" NPT	1/4" NPT
FRAME 4/5	20°	1/2" NPT	3/8" NPT

#### **VERSION HISTORY**

VERSION	DESCRIPTION	DATE
2.0	Initial release	APR. 2011
2.1	Posi-Lock pin	AUG. 2012
2.2	Unitized rotary seal	JUL. 2013