



**PART LIST 48" RWGV ASSEMBLY WITH SPUR GEAR OPERATOR SHOWN 19300 lbs (approx.)**

ITEM	DESCRIPTION	PART NO.	REQ'D	MATERIAL	ASTM	
1	WRENCH NUT OPEN LEFT	532827	1	CAST IRON	A126	CLASS B
2	SET SCREW	536481	1	STEEL (A)		
3	SPUR GEAR 1S7	535539	1			ROTORK
4	HEX BOLT 3/4" x 6.00"	536521	4	STEEL		SEE NOTE 3
5	ADAPTER	533863	1	HOT ROLLED STEEL	A36	
6	STUFFING BOX w/SPUR GEAR	533887	1	HOT ROLLED STEEL	A36	
7	HEX NUT 3/4"	193814	4	STEEL		SEE NOTE 3
8	SO. HEAD PIPE PLUG 1/4-18NPT	199177	1	316 S. STEEL		
9	O-RING 5 1/8"x5 3/8"x 1/8" #251	195186	1	RUBBER	D2000	EPDM
10	O-RING 3 3/8" x 3 3/4" x 3/16" #340	533893	3	RUBBER	D2000	EPDM
11	O-RING 6 1/4"x6 5/8"x 3/16" #362	195926	1	RUBBER	D2000	EPDM
12	ANTI-FRICTION (THRUST) WASHER	533892	2	BRASS		HARD CDA260
13	SOCKET HEAD BOLT 3/4"x2 1/4"-BEVEL GEAR	533872	4	STEEL		SEE NOTE 3
14	SOCKET HEAD BOLT 1" x 5-1/2"	536759	4	STEEL		SEE NOTE 3
15	HEAVY HEX NUT 1"	536756	4	STEEL		SEE NOTE 3
16	EYEBOLT 1 1/2"	193640	4	STEEL		SEE NOTE 3
17	HEX NUT 1 1/2"	536108	2	STEEL		GALVANIZED
18	BONNET BUSHING	536135	2	STEEL		SEE NOTE 3
19	BONNET	533885	1	BRONZE	B62	
20	STEM	533889	1	BRONZE		SEE NOTE 1
21	DUCTILE IRON	533878	1	DUCTILE IRON	A536	GRADE 65-45-12
22	HEX BOLT 1 1/4" x 9 1/2"	536757	28	316 STAINLESS	A193	GRADE B8M
23	HEX NUT 1 1/4"	536134	28	316 STAINLESS	A194	GRADE 8M
24	BONNET O-RING	536536	1	RUBBER	D2000	EPDM
25	BODY	SEE BODIES	1	DUCTILE IRON	A536	GRADE 65-45-12
26	DISC NUT	533883	1	BRONZE	B62	
27	ENCAPSULATED DISC	533880	1	SEE NOTE 2		
28	GUIDE CAP	533891	2	CELCON		M90
29	BEVEL GEAR B320-40	198801	1			LIMITORQUE
30	HEX CAP SCREW METRIC 10mm x 1.5 x 30mm	199738	1	316 STAINLESS (A)		
31	WASHER	198749	1	BRASS		
32	STEM NUT	536461	1	BRASS		
33	KEY .5"x3"(USED WITH SPUR/BEVEL GEARING)	155233	1	STEEL		
34	CAP SCREW 3/4" x 1" (SPUR/BEVEL)	190566	1	316 STAINLESS (A)		SEE NOTE 3
35	HOLD DOWN WASHER (USE w/SPUR/BEVEL)	533895	1	STEEL		SEE NOTE 3
36	PIPE PLUG 3"	091429	1			

**4" RWGV BY-PASS PART LIST 210lbs (approx.)**

28	BY-PASS VALVE ASSEMBLY	040A236006LN 9000	1			SEE NOTE 4
29	PIPE NIPPLE w/FLANGE	533868	2	STEEL		
30	90° ELBOW - SHORT	533869	2	STEEL		
30b	SPACER	536758	1	STEEL		
31	FLANGE GASKET	533870	5	RUBBER		
32	Ø 3/4" HEX BOLT (SHORT) (A)		22	316 STAINLESS (A)		(A)
32b	Ø 3/4" HEX BOLT (LONG)		6	316 STAINLESS (A)		(A)
32c	Ø 3/4" THREADED STUD (LONG)		2	316 STAINLESS (A)		(A)
32d	Ø 3/4" THREADED STUD (SHORT)		2	316 STAINLESS (A)		(A)
33	HEX NUT 3/4"		36	316 STAINLESS (A)		(A)

**POSITION INDICATOR PART LIST**

41	HOUSING SUB ASSEMBLY		1	STEEL		
42	DECAL FOR POSITION INDICATOR		1			
43	WINDOW GASKET		1			
44	INDICATING STEM 42" RWGV OL		1	BRONZE		
45	POINTER POSITION INDICATOR OL		1	BRONZE		
46	WINDOW		1	PLEXIGLAS/LEXAN		

**BODY END CONFIGURATIONS**

47	FLANGE x FLANGE BODY	533875	1	DUCTILE IRON	A536	GRADE 65-45-12
48	MECH. JOINT x MECH. JOINT BODY	533876	1	DUCTILE IRON	A536	GRADE 65-45-12
49	FLANGE x MECH. JOINT	533877	1	DUCTILE IRON	A536	GRADE 65-45-12
50	MECH. JOINT x FLANGE TAPPING BODY	NOT OFFERED	1	DUCTILE IRON	A536	GRADE 65-45-12
51	FLANGE x FLANGE TAPPING BODY	NOT OFFERED	1	DUCTILE IRON	A536	GRADE 65-45-12

NOTES:  
 1. BRONZE ASTM B584 ALLOY C86200  
 2. RUBBER ENCAPSULATED DUCTILE IRON DISC RUBBER - EPDM ASTM D2000 DUCTILE IRON ASTM A536 GRADE 65-45-12  
 3. BOLTS - SAE J429 GRADE 2 FASTENERS - PLATED TO ASTM F1941 CLASS Fe/Zn 12C NUTS - ASTM A563 GRADE B  
 4. BY-PASS VALVE 4" RWGV - FLANGE ENDS BY-PASS VALVES ARE EQUIPPED WITH 2" SQUARE WRENCH NUTS OR 6" DIA HANDWHEELS OPEN LEFT OR RIGHT AS REQUIRED  
 5. TURNS TO OPEN SPUR/BEVEL (RATIO 4:1) 596 TURNS TO OPEN BY-PASS 14

SR BY	CAP	03/22/07	UNLESS OTHERWISE NOTED	THIRD ANGLE PROJECTION	C.D. NO.
CHD	CGH	03/22/07	BREAK CAST CORNERS!		PATT. NO.
MGR	JWB	03/22/07	BREAK MACH CORNERS!		
MFG			TOLERANCES	NO	ASSY
TOOL			UNLESS OTHERWISE NOTED	REF. NO.	SCALE
FBRY			LINEAR	ANGULAR	NONE
			±	±	STR. NO.

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MAT'L	NOTED	DESCR.	48" RWGV	NUMBER	
			250-PS1 AWWA C515		
			WITH 316 STAINLESS STEEL		536570-316

ECO 1425140 SHORT WAS LONG REMOVED "SEE NOTE 3" CAP 03/30/07  
 ECO 142439 ADDED STEEL MOVED ITEMS 34-40a UNDER MAIN PART LIST 316 STAINLESS WAS STEEL

**APPROVED**  
 By Charles Graham Hines at 2:33 pm, Mar 21, 2012

536570-316